# Table of Contents

Home ........................................................................................................... 8  
Undergraduate .......................................................................................... 9  
About UW-La Crosse .................................................................................. 10  
  Missions .................................................................................................. 11  
  Accreditation .......................................................................................... 11  
  State authorization .................................................................................. 11  
  Administration and Board of Regents ..................................................... 13  
  Academic calendar .................................................................................. 13  
Majors, minors, and programs ................................................................. 14  
Admission .................................................................................................... 15  
  First year admissions ............................................................................. 15  
  Transfer student admissions ................................................................. 17  
  International students ............................................................................ 18  
  Special non-degree students ................................................................. 19  
  Second degree students ........................................................................ 19  
  Re-entry and readmission ..................................................................... 19  
Expenses, financial aid & scholarships .................................................... 20  
  Expenses ................................................................................................ 20  
  Financial aid & scholarships ................................................................. 21  
  Veteran benefits .................................................................................... 24  
Academic policies ....................................................................................... 26  
  Academic eligibility ............................................................................... 26  
  Academic records/FERPA ...................................................................... 28  
  Course information ............................................................................... 28  
  Grades, grading, and testing ................................................................. 30  
  Graduation ............................................................................................. 32  
  Registration and schedules ................................................................... 33  
  Student conduct ..................................................................................... 34  
  Withdrawal ............................................................................................. 35  
Cooperative Education and Internships .................................................... 36  
Current student information ..................................................................... 37  
  Campus Resources ................................................................................ 37  
  On-Campus Life .................................................................................... 46  
General education requirements .............................................................. 50  
Degree requirements ................................................................................ 54  
College of Business Administration (CBA) .............................................. 58  
  Accountancy (ACC) .............................................................................. 60  
    Accountancy Major - Bachelor of Science (BS) ................................ 61  
    Accountancy Minor ........................................................................... 62  
  Business Administration (BUS) ............................................................. 62  
  Business Administration Minor ............................................................. 62  
  Sustainable Business Minor ................................................................. 62  
  Economics (ECO) .................................................................................. 63  
  Economics Major - Bachelor of Science (BS) ...................................... 63  
  Economics Minor .................................................................................. 64  
  Economics Honors Program .................................................................. 64  
  Finance (FIN) ....................................................................................... 64  
    Finance Major - Bachelor of Science (BS) ......................................... 65  
    Finance Major: Risk, Insurance, and Financial Planning Concentration - Bachelor of Science (BS) .................................................. 66  
  Information Systems (IS) ....................................................................... 67  
    Information Systems Major - Bachelor of Science (BS) .................... 68  
    Information Systems Minor ............................................................... 69  
    Information Systems Minor (Non-CBA) ............................................ 69  
    Health Information Systems Management Minor ......................... 70  
    Health Information Systems Management Minor (non-CBA) ...... 70  
  International Business (IB) .................................................................... 70  
    International Business Major - Bachelor of Science (BS) ............... 71  
    International Business Minor ............................................................ 72  
  Management (MGT) ............................................................................. 72  
    Management Major - Bachelor of Science (BS) ............................... 73  
  Marketing (MKT) ................................................................................ 74  
    Marketing Major - Bachelor of Science (BS) .................................... 75  
  College of Liberal Studies (CLS) .......................................................... 77  
    Child Youth Care (CYC) ................................................................. 79  
      At-Risk Child and Youth Care Minor .............................................. 80  
  Economics (ECO) .................................................................................. 81  
    Economics Major - Bachelor of Arts (BA) ....................................... 81  
    Economics Major - Bachelor of Science (BS) .................................. 83  
    Social Studies Education (Broad field) major (early Adolescence-Adolescence Certification) - BS .................................................. 84  
  Economics Minor .................................................................................. 85  
  Economics Education Minor (Early Adolescence-Adolescence Certification) ................................................................. 85  
  Economics Honors Program .................................................................. 85  
  English (ENG) ..................................................................................... 85  
    English Major: Literature Emphasis - Bachelor of Arts (BA) ........... 86  
    English Major: Rhetoric and Writing Emphasis - Bachelor of Arts (BA) .................................................................................. 89  
    English Education Major (Early Adolescence-Adolescence Certification) - Bachelor of Science (BS) .................................................. 91  
    Literature Minor ................................................................................ 93  
    English Education Minor ................................................................. 94  
    Creative Writing Minor .................................................................... 95  
    Professional and Technical Writing Minor ..................................... 96
Political Science and/or Public Administration Honors Program .......................................................... 188
Psychology (PSY) ................................................................. 188
Psychology Major - Bachelor of Arts (BA) ......................... 189
Psychology Major - Bachelor of Science (BS) .................... 192
Dual Degree Program in Psychology and Occupational Therapy ................................................... 194
Psychology Minor ............................................................... 197
Psychology Minor ............................................................... 197
Psychology Education Minor (Early Adolescence-Adolescence Certification) .................................... 197
Psychology Honors Program ................................................ 198

Sociology and Archaeology (SOC/ARC) .................................. 198
Sociology Major - Bachelor of Arts (BA) ......................... 199
Sociology Major- Bachelor of Science (BS) ...................... 201
Sociology Education Major (Early Adolescence-Adolescence Certification) - Bachelor of Science (BS) .... 202
Archaeological Studies Major - Bachelor of Arts (BA) ........ 204
Archaeological Studies Major - Bachelor of Science (BS) .... 206

Social Studies Education (Broad Field) Major (Early Adolescence-Adolescence Certification) - BS .......... 208
Sociology minor ................................................................. 210
Sociology Education Minor ................................................. 210
Archaeological Studies Minor ........................................... 210
Anthropology Minor .......................................................... 210
Criminal Justice Minor ....................................................... 211
Archaeology Honors Program ............................................. 211

Women's Gender and Sexuality Studies (WGS) .................... 212
Women's Studies Major - Bachelor of Arts (BA) .............. 212
Women's Studies Major - Bachelor of Science (BS) .......... 215
Women's Studies Minor .................................................... 217

College of Liberal Studies/School of Arts and Communication (SAC) .................................................. 218

Art (ART) .................................................. 220

Art Major - Bachelor of Arts (BA) .................................... 220
Art Major - Bachelor of Science (BS) ............................... 222
Art Education Major - Bachelor of Science (BS) ............. 224
Art Minor: Two Dimensional Emphasis ......................... 225
Art Minor: Three Dimensional Emphasis ....................... 225
Photography Minor ......................................................... 225

Communication Studies (CST) ........................................... 226

Communication Studies Major: Advocacy and Communication Criticism Emphasis - Bachelor of Arts (BA) ................................. 227
Communication Studies Major: Advocacy and Communication Criticism Emphasis - Bachelor of Science ................. 229
Communication Studies Major: Broadcast and Digital Media Emphasis - Bachelor of Arts (BA) ............................. 231
Communication Studies Major: Broadcast and Digital Media Emphasis - Bachelor of Science (BS) .............................. 232
Communication Studies Major: Interpersonal Communication Emphasis - Bachelor of Arts (BA) ......................... 234
Communication Studies Major: Interpersonal Communication Emphasis - Bachelor of Science (BS) ................................. 236
Communication Studies Major: Organizational and Professional Communication Emphasis - BA .................... 237
Communication Studies Major: Organizational and Professional Communication Emphasis - BS .................. 239
Communication Studies Minor: Advocacy and Communication Criticism Emphasis ........................................... 241
Communication Studies Minor: Broadcast and Digital Media Emphasis ....................................................... 241
Communication Studies Minor: Interpersonal Communication Emphasis ......................................................... 242
Communication Studies Minor: Organizational and Professional Communication Emphasis .............................. 242
Communication Studies Minor: Sports Broadcasting ........... 243

Music (MUS) ................................................................. 243

Music Major: Performance Emphasis - Bachelor of Arts (BA) ............................................................... 245
Music Major: Performance Emphasis - Bachelor of Science (BS) .......................................................... 246
Music Major: Music History Emphasis - Bachelor of Arts (BA) ................................................................. 247
Music Major: Music History Emphasis - Bachelor of Science (BS) .......................................................... 249
Music Major: Music Theory Emphasis - Bachelor of Arts (BA) ................................................................. 250
Music Major: Music Theory Emphasis - Bachelor of Science (BS) .......................................................... 252
Music Major: Jazz Performance Emphasis - Bachelor of Arts (BA) ............................................................. 253
Music Major: Jazz Performance Emphasis - Bachelor of Science (BS) ......................................................... 254
Music Major: Piano Pedagogy - Bachelor of Arts (BA) ................................................................. 256
Music Major: Piano Pedagogy - Bachelor of Science (BS) ................................................................. 257
Music Major: Music Theatre Emphasis - Bachelor of Arts (BA) ................................................................. 258
Music Major: Music Theatre Emphasis - Bachelor of Science (BS) .......................................................... 260
Music Education Major: Choral Music Emphasis - Bachelor of Science (BS) .............................................. 261
Music Education Major: General Music Emphasis - Bachelor of Science (BS) ............................................ 262
Music Education Major: Instrumental Music Emphasis - Bachelor of Science (BS) ................................. 263
Music Minor ................................................................. 265
<table>
<thead>
<tr>
<th>Department</th>
<th>Course Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of Science and Health (SAH)</td>
<td>Biology Major - Bachelor of Arts (BA)</td>
<td>291</td>
</tr>
<tr>
<td>Theatre Arts (THA)</td>
<td>Theatre Arts Major: Arts Administration Emphasis - Bachelor of Arts (BA)</td>
<td>265</td>
</tr>
<tr>
<td>Theatre Arts Major: Music Theatre Emphasis - Bachelor of Arts (BA)</td>
<td>275</td>
<td></td>
</tr>
<tr>
<td>Theatre Arts Major: Design/Technical Emphasis - Bachelor of Science (BS)</td>
<td>270</td>
<td></td>
</tr>
<tr>
<td>Theatre Arts Major: General Emphasis - Bachelor of Arts (BA)</td>
<td>272</td>
<td></td>
</tr>
<tr>
<td>Theatre Arts Major: General Emphasis - Bachelor of Science (BS)</td>
<td>273</td>
<td></td>
</tr>
<tr>
<td>Theatre Arts Major: Music Theatre Emphasis - Bachelor of Arts (BA)</td>
<td>276</td>
<td></td>
</tr>
<tr>
<td>Theatre Arts Major: Music Theatre Emphasis - Bachelor of Science (BS)</td>
<td>277</td>
<td></td>
</tr>
<tr>
<td>Theatre Arts Major: Performance Emphasis - Bachelor of Arts (BA)</td>
<td>279</td>
<td></td>
</tr>
<tr>
<td>Theatre Arts Major: Performance Emphasis - Bachelor of Science (BS)</td>
<td>282</td>
<td></td>
</tr>
<tr>
<td>Theatre Arts Major: Stage Management Emphasis - Bachelor of Arts (BA)</td>
<td>280</td>
<td></td>
</tr>
<tr>
<td>Theatre Arts Major: Stage Management Emphasis - Bachelor of Science (BS)</td>
<td>284</td>
<td></td>
</tr>
<tr>
<td>Theatre Arts Minor: Arts Administration Emphasis</td>
<td>283</td>
<td></td>
</tr>
<tr>
<td>Theatre Arts Minor: Design/Technical Emphasis</td>
<td>284</td>
<td></td>
</tr>
<tr>
<td>Theatre Arts Minor: General Emphasis</td>
<td>284</td>
<td></td>
</tr>
<tr>
<td>Theatre Arts Minor: Music Theatre Emphasis</td>
<td>284</td>
<td></td>
</tr>
<tr>
<td>Theatre Arts Minor: Performance Emphasis</td>
<td>285</td>
<td></td>
</tr>
<tr>
<td>Theatre Arts Minor: Stage Management Emphasis</td>
<td>285</td>
<td></td>
</tr>
<tr>
<td>College of Science and Health (SAH)</td>
<td>Biology (BIO)</td>
<td>291</td>
</tr>
<tr>
<td>Biology Major - Bachelor of Arts (BA)</td>
<td>292</td>
<td></td>
</tr>
<tr>
<td>Biology Major - Bachelor of Science (BS)</td>
<td>294</td>
<td></td>
</tr>
<tr>
<td>Biology major: aquatic science concentration - Bachelor of Arts (BA)</td>
<td>296</td>
<td></td>
</tr>
<tr>
<td>Biology major: aquatic science concentration - Bachelor of Science (BS)</td>
<td>297</td>
<td></td>
</tr>
<tr>
<td>Biology major: biomedical science concentration - Bachelor of Arts (BA)</td>
<td>298</td>
<td></td>
</tr>
<tr>
<td>Biology major: biomedical science concentration - Bachelor of Science (BS)</td>
<td>299</td>
<td></td>
</tr>
<tr>
<td>Biology major: cellular and molecular concentration - Bachelor of Arts (BA)</td>
<td>300</td>
<td></td>
</tr>
<tr>
<td>Biology major: cellular and molecular concentration - Bachelor of Science (BS)</td>
<td>302</td>
<td></td>
</tr>
<tr>
<td>Major/Program</td>
<td>Page</td>
<td></td>
</tr>
<tr>
<td>------------------------------------------------------------------------------</td>
<td>------</td>
<td></td>
</tr>
<tr>
<td>Adapted Physical Education Teaching Minor</td>
<td>336</td>
<td></td>
</tr>
<tr>
<td>Coaching Competitive Athletics Concentration</td>
<td>337</td>
<td></td>
</tr>
<tr>
<td>Geography and Earth Science (GEO/ESC)</td>
<td>337</td>
<td></td>
</tr>
<tr>
<td>Geography Major - Bachelor of Arts (BA)</td>
<td>338</td>
<td></td>
</tr>
<tr>
<td>Geography Major - Bachelor of Science (BS)</td>
<td>339</td>
<td></td>
</tr>
<tr>
<td>Geography Major: Environmental Science Concentration - Bachelor of Arts (BA)</td>
<td>340</td>
<td></td>
</tr>
<tr>
<td>Geography Major: Environmental Science Concentration - Bachelor of Science (BS)</td>
<td>341</td>
<td></td>
</tr>
<tr>
<td>Geography Major: Geographic Information Science Concentration - Bachelor of Arts (BA)</td>
<td>343</td>
<td></td>
</tr>
<tr>
<td>Geography Major: Geographic Information Science Concentration - Bachelor of Science (BS)</td>
<td>344</td>
<td></td>
</tr>
<tr>
<td>Geography Education Major (Early Adolescence-Adolescence Certification) - Bachelor of Science (BS)</td>
<td>345</td>
<td></td>
</tr>
<tr>
<td>Social Studies Education (Broad Field) Major (Early Adolescence-Adolescence Certification) - Bachelor of Science (BS)</td>
<td>345</td>
<td></td>
</tr>
<tr>
<td>Geography Minor</td>
<td>346</td>
<td></td>
</tr>
<tr>
<td>Geographic Information Science Minor</td>
<td>347</td>
<td></td>
</tr>
<tr>
<td>Geoarchaeology Minor</td>
<td>347</td>
<td></td>
</tr>
<tr>
<td>Earth Science Minor</td>
<td>347</td>
<td></td>
</tr>
<tr>
<td>Geography Education Minor</td>
<td>348</td>
<td></td>
</tr>
<tr>
<td>Earth Science Education Minor</td>
<td>348</td>
<td></td>
</tr>
<tr>
<td>Geography and Earth Science Honors Program</td>
<td>348</td>
<td></td>
</tr>
<tr>
<td>Exercise and Sport Science Major: Physical Education - Bachelor of Science (BS)</td>
<td>333</td>
<td></td>
</tr>
<tr>
<td>Exercise and Sport Science: Sport Management Emphasis - Bachelor of Science (BS)</td>
<td>335</td>
<td></td>
</tr>
<tr>
<td>Mathematics Minor</td>
<td>344</td>
<td></td>
</tr>
<tr>
<td>Statistics Minor</td>
<td>344</td>
<td></td>
</tr>
<tr>
<td>Mathematics Education Minor (Early Adolescence-Adolescence Certification) - Bachelor of Science (BS)</td>
<td>364</td>
<td></td>
</tr>
<tr>
<td>Mathematics Education Minor (Middle Childhood-Early Adolescence)</td>
<td>364</td>
<td></td>
</tr>
<tr>
<td>Mathematics Minor with Education Emphasis</td>
<td>365</td>
<td></td>
</tr>
<tr>
<td>Medical Dosimetry (DOS)</td>
<td>365</td>
<td></td>
</tr>
<tr>
<td>Microbiology (MIC)</td>
<td>365</td>
<td></td>
</tr>
<tr>
<td>Microbiology Major - Bachelor of Science (BS)</td>
<td>367</td>
<td></td>
</tr>
<tr>
<td>Microbiology Major: Biomedical Concentration - Bachelor of Science (BS)</td>
<td>368</td>
<td></td>
</tr>
<tr>
<td>Microbiology Major: Business Concentration - Bachelor of Science (BS)</td>
<td>369</td>
<td></td>
</tr>
<tr>
<td>Microbiology Major: Environmental Science Concentration - Bachelor of Science (BS)</td>
<td>371</td>
<td></td>
</tr>
<tr>
<td>Microbiology Minor</td>
<td>372</td>
<td></td>
</tr>
<tr>
<td>Microbiology Honors Program</td>
<td>372</td>
<td></td>
</tr>
<tr>
<td>Nuclear Medicine Technology (NMT)</td>
<td>373</td>
<td></td>
</tr>
<tr>
<td>Nuclear Medicine Technology - Bachelor of Science (BS)</td>
<td>373</td>
<td></td>
</tr>
<tr>
<td>Nutrition (NUT)</td>
<td>375</td>
<td></td>
</tr>
<tr>
<td>Nutrition Minor</td>
<td>375</td>
<td></td>
</tr>
<tr>
<td>Physics (PHY)</td>
<td>376</td>
<td></td>
</tr>
<tr>
<td>Physics Major - Bachelor of Arts (BA)</td>
<td>376</td>
<td></td>
</tr>
<tr>
<td>Physics Major - Bachelor of Science (BS)</td>
<td>377</td>
<td></td>
</tr>
<tr>
<td>Physics Major with Astronomy Emphasis - Bachelor of Arts (BA)</td>
<td>378</td>
<td></td>
</tr>
<tr>
<td>Physics Major with Astronomy Emphasis - Bachelor of Science (BS)</td>
<td>379</td>
<td></td>
</tr>
<tr>
<td>Physics Major with Biomedical Concentration - Bachelor of Science (BS)</td>
<td>380</td>
<td></td>
</tr>
<tr>
<td>Physics Major with Business Concentration - Bachelor of Science (BS)</td>
<td>381</td>
<td></td>
</tr>
<tr>
<td>Physics Major with Computational Physics Emphasis - Bachelor of Science (BS)</td>
<td>382</td>
<td></td>
</tr>
<tr>
<td>Physics Major with Optics Emphasis - Bachelor of Science (BS)</td>
<td>383</td>
<td></td>
</tr>
<tr>
<td>Physics Education Major (Early Adolescence-Adolescence Certification) - Bachelor of Science (BS)</td>
<td>384</td>
<td></td>
</tr>
<tr>
<td>Dual Degree Program in Physics and Engineering</td>
<td>385</td>
<td></td>
</tr>
<tr>
<td>Dual Degree Program in Physics and Physical Therapy</td>
<td>386</td>
<td></td>
</tr>
<tr>
<td>General Science Education (Broad Field) Major (Early Adolescence-Adolescence Certification) - BS</td>
<td>387</td>
<td></td>
</tr>
<tr>
<td>Physics Education Minor</td>
<td>388</td>
<td></td>
</tr>
<tr>
<td>Physics Minor</td>
<td>388</td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Page</td>
<td></td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>------</td>
<td></td>
</tr>
<tr>
<td>Science and Health (SAH)</td>
<td>549</td>
<td></td>
</tr>
<tr>
<td>Sociology (SOC)</td>
<td>550</td>
<td></td>
</tr>
<tr>
<td>Spanish (SPA)</td>
<td>555</td>
<td></td>
</tr>
<tr>
<td>Special Education (SPE)</td>
<td>557</td>
<td></td>
</tr>
<tr>
<td>Teaching English to Speakers of Other Languages (TSL)</td>
<td>558</td>
<td></td>
</tr>
<tr>
<td>Theatre Arts (THA)</td>
<td>559</td>
<td></td>
</tr>
<tr>
<td>Therapeutic Recreation (RTH)</td>
<td>562</td>
<td></td>
</tr>
<tr>
<td>Women's, Gender and Sexuality Studies (WGS)</td>
<td>565</td>
<td></td>
</tr>
<tr>
<td>Faculty and Academic Staff</td>
<td>569</td>
<td></td>
</tr>
<tr>
<td>Faculty and Academic Staff - Emeriti</td>
<td>607</td>
<td></td>
</tr>
<tr>
<td>Index</td>
<td>612</td>
<td></td>
</tr>
</tbody>
</table>
Welcome to UW-La Crosse’s undergraduate and graduate catalog site. These catalogs contain important information about undergraduate and graduate programs, courses, policies, faculty/staff, and facilities. UW-L catalogs do not establish a contractual relationship. They summarize the total requirements a student must meet before qualifying for a degree and exist, therefore, not only to help prospective students and others learn about UW-L, but also to provide a statement of policies, requirements, regulations, and procedures in a form helpful to all.
Undergraduate

This catalog is a record of undergraduate programs, courses, policies, staff, and facilities as of June 1, 2014.

Welcome

Welcome to the University of Wisconsin-La Crosse. We’re delighted that you have selected our campus for your education and look forward to working with you as you pursue your goals.

This catalog is your guide to planning for your degree. You’ll find it helpful now through commencement; virtually every question you might have about UW-L is answered in this book. I encourage you to read and continually refer to this essential publication. In addition, you should talk frequently with your college and departmental advisors to ensure that you are taking the right steps toward your educational goals.

Best wishes for success in your academic pursuits!
Joe Gow
Chancellor

Student responsibilities and this catalog

All departments, schools and colleges within the university establish certain requirements that must be met before a degree program is completed. These requirements concern such things as curricula and courses, majors and minors, and residence at the university. Advisors, department chairpersons, academic staff members and deans are available to help you understand and meet these requirements, but you are responsible for fulfilling them. At the end of your selected course of study, the faculty decides whether you will receive a degree. If requirements of graduation have not been satisfied, the degree will not be granted. For this reason, it is important for you to become acquainted with university requirements and regulations, to continue to keep information about them throughout your college career, and to be responsible for the completion of all requirements.

Also, it is necessary, in the general administration of the university, to establish broad policies and to provide certain regulations and procedures by which they may be carried out. It is important that you understand the policies and know the regulations and procedures that you are expected to follow. This catalog will serve as your curriculum guide throughout your education at UW-L, provided you maintain uninterrupted attendance and complete your degree within six calendar years. In compiling our catalog, we have used the most current and accurate information available to us at this time. However, we reserve the right to add, revise, or delete any of the information at any time and without giving prior notice. Often when changes are made, you may follow either your original catalog or the catalog containing the changed curriculum requirements, whichever you prefer; however, you must choose one catalog or the other, not a mixture of the two. At times, changes are applicable to all students, regardless of what catalog you are following. This decision, which is in the best interest of your education, may be based on accreditation or certification requirements, campus or UW System policies, or program quality. Curriculum changes are reflected in your advisement report, which makes it the most up-to-date source of information. Changes, such as prerequisites and credits, which affect individual courses, are applicable to all students.

This catalog does not establish a contractual relationship. It summarizes the total requirements a student must meet before qualifying for a degree, and is presented, therefore, not only to enable prospective students and others to learn about UW-L, but also to provide a statement of policies, requirements, regulations, and procedures in a form helpful to you during your college career.
About UW-La Crosse

- UW-La Crosse: a profile (p. 10)
- Freedom of thought and expression (p. 10)
- Civil rights (p. 10)
- Accommodation of religious beliefs (p. 10)
- Accessibility for individuals with disabilities (p. 11)

UW-La Crosse: a profile

The University of Wisconsin-La Crosse continues to position itself among the country’s elite public universities. The university is the state’s top-ranked public or private higher education institution by the US News & World Report for master’s degree institutions and has been ranked among the top four Midwestern public institutions for the past decade. UW-L is also listed annually among Kiplinger’s Top 100 Best Values. In 2014, Kiplinger placed UW-L No. 4 on its national list of the 25 Best College Values Under $30,000 a Year.

The student body of just more than 10,400 from 37 states and more than 40 countries is impressive. The retention rate is an outstanding 87 percent. The six-year graduation rate for students beginning in fall 2007 was 69 percent, well above the national average. Twenty percent of students study abroad. International impact shapes the campus with nearly 400 students from 44 countries.

UW-L offers 91 undergraduate programs in at least 30 disciplines and 25 graduate programs and emphases. Students learn directly from professors, not assistants. A 20:1 student-faculty ratio means small classes.

The university is organized into three academic colleges and two schools: the College of Business Administration, College of Science and Health, College of Liberal Studies, the School of Arts and Communication (housed within the College of Liberal Studies), and the School of Education. Teacher education is a campus wide commitment. Descriptions of the departments and programs within the colleges as well as general information, college curriculum requirements, and any requirements that apply to specific colleges can be found in the undergraduate (p. 9) and graduate (http://catalog.uwlax.edu/graduate) catalogs or through UW-L’s Academics (http://www2.uwlax.edu/academics) page. Descriptions of pre-professional programs are included in the College of Science and Health. Wisconsin teacher licensure information is included in the School of Education section.

The university’s intercollegiate athletic teams, the Eagles, compete in 19 sports, predominately in the NCAA Division III, and as of May 2014 have earned 63 national titles, 29 since 2001. The university is proud of the Veterans Memorial Field Sports Complex, a $16.6 million athletic complex completed in 2009 and funded entirely by private donations. The site is home to the annual WIAC State High School Track and Field Championships and has hosted the NCAA Division III National Track and Field Championships numerous times.

The campus lies in a residential section of the city of La Crosse (population 52,000, metro 133,665). La Crosse is a major point of interest on the Great River Road that winds north and south through 10 states along the Mississippi River. The city is nestled on the east bank of the river below towering 500-foot bluffs separated by steep-walled ravines known as coulees. See more about the city at La Crosse Area Convention & Visitors Bureau (http://www.explorelacrosse.com).

UW-L offers much to western Wisconsin by hosting cultural events, regional and national conferences, and prominent speakers. UW-L works cooperatively with other area education and medical institutions to foster cutting-edge health care in the region, as well as a state-of-the-art health research and education facility.

The university’s history dates back to 1909 when the La Crosse Normal School opened its doors as a teaching training school. It became a state teachers college in 1927, a state college in 1951, and a state university in 1964. The university became part of the University of Wisconsin System in 1971. Discover more at the University of Wisconsin-La Crosse (http://www2.uwlax.edu).

Freedom of thought and expression

The faculty and administration of the University of Wisconsin-La Crosse believe that it is the task of the university to make people safe for ideas, not to make ideas safe for people. Beyond formal lectures and laboratory experiences, the University provides opportunities for the presentation of diverse views to stimulate thought and discussion in the University community. It is the responsibility of the University to strive, over a period of time, to attain a diversified presentation of ideas by people who are engaged in research and social dialogue. Thus, the University seeks to increase student exposure to the ever-expanding world of ideas. In a democratic society we can do no less. The appearance of any particular speaker on campus implies neither approval nor disapproval by the administration or the faculty of what that speaker says.

Civil rights

The University of Wisconsin-La Crosse is totally committed to providing equal education and employment opportunity regardless of race, sex, color, creed, religion, national origin, disability, ancestry, age, sexual orientation, pregnancy, marital, parental status, gender identity, gender expression, or veteran status. Pursuant to Title IX of the Educational Amendments of 1972, discrimination on the basis of sex is prohibited in any educational program or activity receiving federal financial assistance by way of grant, contract or loan. Pursuant to Title VI of the Civil Rights Act of 1964, discrimination on the basis of race, color or national origin is prohibited. Section 504 of the Rehabilitation Act of 1973 and the Americans With Disabilities Act of 1990 prohibit discrimination on the basis of physical or mental disability. Equal educational opportunity includes: admission, recruitment, extracurricular programs and activities, housing facilities, access to course offerings, counseling and testing, financial assistance, employment, health and insurance services, and athletics. Sexual harassment is a form of sex discrimination that is unlawful and contrary to the fundamental standards of a university community. All grievances, questions or requests for information should be referred to the Office of Affirmative Action (http://www2.uwlax.edu/affirmative-action), 131 Graff Main Hall.

Accommodation of religious beliefs

It is the policy of the Board of Regents that students’ sincerely held religious beliefs shall be reasonably accommodated with respect to all examinations and other academic requirements. The university guidelines state that the claim of a religious conflict should be accepted at face value, and any student with a conflict between an academic requirement and any religious observance must be given an alternative means of meeting the academic requirement. The student must notify the instructor within the first two weeks of class of the specific days/dates for which the student will request relief. It is understood that instructors may set reasonable limits on the total number of days claimed by any one student. Instructors are not obliged to schedule make-up requirements before the regularly scheduled requirements. Complaints may be filed with the Affirmative Action Officer (http://www2.uwlax.edu/affirmative-action).
Accessibility for individuals with disabilities

Section 504 of the Rehabilitation Act of 1973 prohibits discrimination on the basis of disability. Ongoing efforts are being made to ensure that facilities and programs are accessible to all students with disabilities. All students must identify and present documentation (no older than three years) of their disabilities to the Disability Resources Services office in order to receive ongoing accommodations.

Direct student services to those with physical, sensory or learning disabilities/ADHD include, but are not limited to: classroom note takers, tutors, class preregistration, taped textbooks, academic advising, individual/group counseling and equipment loan. Specific requests for assistance or information should be directed to the coordinator of the Disability Resource Services office (http://www.uwlax.edu/DRS), 165 Murphy Library.

Missions

UW System Mission

Each institution of the University of Wisconsin System shares in the mission of the System.

The mission of this System is to develop human resources, to discover and disseminate knowledge, to extend knowledge and its application beyond the boundaries of its campuses, and to serve and stimulate society by developing in students heightened intellectual, cultural, and humane sensitivities; scientific, professional, and technological expertise; and a sense of value and purpose. Inherent in this mission are methods of instruction, research, extended education, and public service designed to educate people and improve the human condition. Basic to every purpose of the System is the search for truth.

UW-L Core Mission

As an institution in the "University Cluster" of the University of Wisconsin System, UW-L shares the following core mission with other universities of the cluster. Each university in the cluster shall:

1. Offer associate and baccalaureate degree level and selected graduate programs within the context of its approved mission statement.
2. Offer an environment that emphasizes teaching excellence and meets the educational and personal needs of students through effective teaching, academic advising, counseling, and through university-sponsored cultural, recreational, and extracurricular programs.
3. Offer a core of liberal studies that supports university degrees in the arts, letters, and sciences, as well as specialized professional/technical degrees at the associate and baccalaureate level.
4. Offer a program of pre-professional curricular offerings consistent with the university’s mission.
5. Expect scholarly activity, including research, scholarship, and creative endeavor, that supports its programs at the associate and baccalaureate degree level, its selected graduate programs, and its approved mission statement.
6. Promote the integration of the extension function, assist the University of Wisconsin-Extension in meeting its responsibility for statewide coordination, and encourage faculty and staff participation in outreach activity.
7. Participate in inter-institutional relationships in order to maximize educational opportunity for the people of the state effectively and efficiently through the sharing of resources.
8. Serve the needs of women, minority, disadvantaged, disabled, and nontraditional students and seek racial and ethnic diversification of the student body and the professional faculty and staff.
9. Support activities designed to promote the economic development of the state.

UW-L Select Mission

The University of Wisconsin-La Crosse provides a challenging, dynamic, and diverse learning environment in which the entire university community is fully engaged in supporting student success. Grounded in the liberal arts, UW-L fosters curiosity and life-long learning through collaboration, innovation, and the discovery and dissemination of new knowledge. Acknowledging and respecting the contributions of all, UW-L is a regional academic and cultural center that prepares students to take their place in a constantly changing world community.

Accreditation

The University of Wisconsin-La Crosse is accredited by:

- AACSB International - The Association to Advance Collegiate Schools of Business
- Accreditation Council for Occupational Therapy Education
- Accreditation Review Committee on Education of the Physician Assistant
- American Chemical Society
- Commission on Accreditation of Athletic Training Education
- Commission on Accreditation for Physical Therapy Education
- Council on Accreditation of the National Recreation and Park Association/American Association for Leisure and Recreation
- Council of Education for Public Health
- Joint Review Committee on Educational Programs in Radiation Technology
- National Association of Schools of Music
- National Association of Sport and Physical Education/North American Society for Sport Management
- Higher Learning Commission (https://www.ncahlc.org) and member of the North Central Association (312.263.0456)
- Program in Nuclear Medicine Technology is accredited by the Joint Review Committee of Educational Programs in Nuclear Medicine Technology through affiliated hospitals
- Program in Clinical Laboratory Science is accredited by the National Accrediting Agency for Clinical Laboratory Sciences through affiliated hospitals

State authorization

State Authorization of Distance Education

The growth of distance education programs in recent years has brought with it greater opportunities for students as well as, unfortunately, some abuses of students which have resulted in high student debt loads and an increase in student loan defaults. As a result, the US Department of Education released in 2010 “Program Integrity Rules” (34 C.F.R. § 600.9) which require that an institution offering educational programming across state lines seek authorization in that other state first. Failing to obtain this authorization (or exemption in some cases) can result in the loss of Title IV (student loans and grants) funds for the educational institution offering
the programming. Additionally, the institution offering the programming must have clear procedures and information regarding the way a student might make a complaint about the institution. These initiatives are efforts by the US Department of Education to protect its Title IV investments in the American postsecondary educational system.

### File a Complaint

To file a complaint against the University of Wisconsin-La Crosse directly, students may learn about the UW System Complaint Process (http://www2.uwlax.edu/finaid/UW-System-Complaint-Process) for resolving complaints and download the form (http://www.wisconsin.edu/vpacad/PIR/ComplaintForm.htm) from the Financial Aid Office’s website.

### State Authorization Resources

The University of Wisconsin–La Crosse maintains an up-to-date document where students can check the status of our authorizations in other states (http://www.uwlax.edu/provost/compliance).

Additionally, UW-La Crosse provides the following list of agencies where students can file a complaint (http://wcet.wiche.edu/advance/state-approval-complaint) against the university, as required in the Program Integrity Rules.

For the student’s convenience, the list of states in which the University of Wisconsin–La Crosse is officially exempted from authorization or in which it is authorized to offer educational programming is duplicated below.

<table>
<thead>
<tr>
<th>State</th>
<th>Status</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>AK</td>
<td>Exempt</td>
<td></td>
</tr>
<tr>
<td>AL</td>
<td>In progress</td>
<td>Application for authorization from UW System in progress - cannot offer courses at this time</td>
</tr>
<tr>
<td>AR</td>
<td>Not authorized</td>
<td>UW-L will not be seeking authorization in this state because it is cost prohibitive - cannot offer courses</td>
</tr>
<tr>
<td>AZ</td>
<td>Exempt</td>
<td></td>
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<tr>
<td>CA</td>
<td>Exempt</td>
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<td>CO</td>
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<td>GA</td>
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<tr>
<td>HI</td>
<td>Exempt</td>
<td></td>
</tr>
<tr>
<td>IA</td>
<td>Authorized</td>
<td>Approved for online programs that do not have a structured field experience for course credit</td>
</tr>
<tr>
<td>ID</td>
<td>Exempt</td>
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<tr>
<td>IL</td>
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<tr>
<td>IN</td>
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<tr>
<td>KS</td>
<td>Exempt</td>
<td></td>
</tr>
<tr>
<td>KY</td>
<td>Authorized</td>
<td>Online programs only; no activities for credit within KY without authorization</td>
</tr>
<tr>
<td>LA</td>
<td>Exempt</td>
<td>Can offer online courses only</td>
</tr>
<tr>
<td>MA</td>
<td>Exempt</td>
<td>Can offer online courses only</td>
</tr>
<tr>
<td>MD</td>
<td>Not authorized</td>
<td>UW-L will not be seeking authorization in this state because it is cost prohibitive - cannot offer courses</td>
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<tr>
<td>ME</td>
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<tr>
<td>MI</td>
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<tr>
<td>MN</td>
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<td>Disclaimer: See below</td>
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<td>MT</td>
<td>Exempt</td>
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<td>NC</td>
<td>Exempt</td>
<td>Can offer online courses only</td>
</tr>
<tr>
<td>ND</td>
<td>Exempt</td>
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<tr>
<td>NE</td>
<td>Exempt</td>
<td>Can offer on-line courses only</td>
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<td>NM</td>
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<td>NY</td>
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<tr>
<td>OH</td>
<td>Exempt</td>
<td>Can offer on-line courses only</td>
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<tr>
<td>OK</td>
<td>Exempt</td>
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<tr>
<td>OR</td>
<td>Authorized</td>
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<tr>
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<td>Authorized</td>
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<td>RI</td>
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<td>VT</td>
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<tr>
<td>WA</td>
<td>Exempt</td>
<td>Can offer online courses only</td>
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<tr>
<td>WV</td>
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<tr>
<td>WV</td>
<td>Authorized</td>
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<tr>
<td>PR</td>
<td>In progress</td>
<td></td>
</tr>
</tbody>
</table>

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1. **MINN. STAT. 136A.67**: A school which is duly registered with the office, or any of its officials or employees may represent in advertisements and shall disclose in catalogues, applications, and enrollment materials that the school registered with the office by prominently displaying the following statement: “The University of Wisconsin–La Crosse is registered as a public institution with the Minnesota Office of Higher Education pursuant to Minnesota Statutes, sections 136A.61 to 136A.71. Registration is not an endorsement of the institution. Credits earned at the institution may not transfer to all other institutions.”
University of Wisconsin-La Crosse

TEXAS DISCLAIMER: The University of Wisconsin-La Crosse is not regulated in Texas under Chapter 132 of the Texas Education Code, as it is located in the State of Wisconsin and authorized by Chapter 36 of the Wisconsin Statutes (http://docs.legis.wisconsin.gov/statutes/statutes/36) as well as accredited by the Higher Learning Commission (http://www.chnhc.org/component/com_directory/itemid/form_submitted,TRUE/institution,la%20crosse/showquery/state,ANY/submit,Search).

Administration and Board of Regents

University of Wisconsin-La Crosse administration

Office of the Chancellor

- Chancellor - Joe Gow
- Director of Affirmative Action – Nizam Arain

Division of Academic Affairs

- Provost & Vice Chancellor, Academic Affairs – Heidi Macpherson
- Associate Vice Chancellor, Academic Affairs – Robert Hoar
- Associate Vice Chancellor, Enrollment Management – Fred Pierce
- Director of School of Education – Marcie Wycoff-Horn
- Director of Murphy Library - Catherine Lavallée-Welch

College of Business Administration

- Dean – Bruce May
- Associate Dean – Glenn Knowles, Interim

College of Liberal Studies/School of Arts and Communication

- Dean – Ruthann Benson
- Associate Deans – Charles Martin-Stanley, Julia Johnson

College of Science and Health

- Dean – Bruce Riley
- Associate Dean – Ray Abhold

Division of Student Affairs

- Vice Chancellor, Student Affairs – Paula Knudson
- Associate Dean for Campus Climate & Diversity – Barbara Stewart
- Assistant Dean of Students – John Palmer

Division of Administration and Finance

- Vice Chancellor, Administration and Finance – Bob Hetzel
- Assistant Vice Chancellor, CIO – Mohamed Elhindi
- Assistant Vice Chancellor, Financial Services - Mark Reeves
- Exec. Director of Facilities Planning and Management - Doug Pearson
- Director of Human Resources - Madeline Holzem
- Director of Police Services - Scott Rohde
- Office of Internal Audit - Carol Christovich

Division of University Advancement

- Vice Chancellor, University Advancement - Greg Reichert

University of Wisconsin System Board of Regents

The University of Wisconsin-La Crosse is governed by the Board of Regents of the University of Wisconsin System. The Board of Regents as of July 2014:

- Michael J. Falbo, Hartland, President
- Regina Millner, Madison, Vice President
- John R. Behling, Eau Claire
- Mark J. Bradley, Wausau
- José Delgado, Brookfield
- Tony Evers, Madison
- Margaret Farrow, Pewaukee
- Eve Hall, New Berlin
- Nicolas Harsy, Madison
- Tim Higgins, Appleton
- Edmund Manydeeds, Eau Claire
- Janice Mueller, Madison
- Drew Petersen, Madison
- Charles Pruitt, Milwaukee
- Anicka Purath, Mount Pleasant
- José Vásquez, Wauwatosa
- David G. Walsh, Madison
- Gerald Whitburn, Wausau

University of Wisconsin System administration

- Ray Cross, President
- Mark Nook, Senior Vice President, Academic Affairs and Student Affairs
- David Miller, Senior Vice President Administration and Fiscal Affairs
- Steven Wildeck, Interim Vice President and Trust Officer, Finance

Academic Calendar

The academic calendar is based on semesters. Semester I (September through mid-December) and Semester II (January through mid-May) each contains 14 weeks of instruction plus one week of final exams. The standard class period is 55 minutes. Numerous workshops and special courses are offered throughout the year and may meet in an abbreviated time frame. Grades can be posted after a course has ended; however, official grade point averages are updated at the end of the term only.

There are two additional terms, winter intersession and summer. Winter intersession provides an intensive three-week term in January. The summer term consists of three four-week sessions, beginning in late May and ending in mid-August. The university provides many courses ranging from general education offerings to specialized courses for majors. There also are undergraduate and graduate level certification and update courses for school professionals and others. Undergraduate degree seeking students are encouraged to use the summer session to work out irregularities in their programs, to add courses beyond minimum requirements and to make up deficiencies. Complete graduate programs are available for those who wish to attend in summers only. A select number of programs require year-round attendance.

Academic Calendar (http://www2.uwlax.edu/Records/Dates-and-deadlines)
Majors, minors, and programs

Browse the full list of majors, minors, and graduate programs (http://www2.uwlax.edu/templates/uwlax2column.aspx?pageid=3997&id=2818) or view the list related to a particular college/school:

- College of Business Administration (p. 58)
- College of Liberal Studies (p. 77)
- School of Arts and Communication (p. 218)
- College of Science and Health (p. 286)
- School of Education (p. 397)
Admissions Office at 608.785.8939.
If you have questions, please email admissions@uwlax.edu or call the
www2.uwlax.edu/Admissions/Visit-us)  section of the Admissions website. For more visit information, please explore the Visit Us (http://www2.uwlax.edu/Admissions/Visit-us) section of the Admissions website. If you have questions, please email admissions@uwlax.edu or call the Admissions Office at 608.785.8939.

No person will be denied admission to the university or to any of its programs or activities (either academic or non-academic, curricular or extracurricular) because of gender, race, color, creed, religion, national origin, disability, ancestry, age, sexual orientation, pregnancy, marital or parental status, or relationship to employees of this university.

Visiting the campus
The Admissions Office (http://www2.uwlax.edu/Admissions) provides several visit opportunities including campus tours, Group Information Sessions, Campus Close-Ups, and individual appointments for prospective first year, transfer, and graduate students.

Tours of the campus are conducted Monday through Friday at 11 a.m. and 2:15 p.m. when school is in session. Summer term tours are at 11 a.m. only. All scheduled tours originate from the Admissions Office in the Cleary Center.

Group Information Sessions are one-hour presentations by an admissions counselor designed to provide an overview of UW-L and the first year admissions process. These sessions are followed by a one-hour walking tour of campus, led by a member of the Vanguard organization. Group Information Sessions are available on selected dates during the fall and spring semesters and daily in July and August.

Campus Close-Ups are held six times during the academic year. Campus Close-Ups provide prospective first years and families the opportunity to learn more about UW-La Crosse, including our academic programs, financial aid, and the admissions process. Members of the Vanguard organization lead a panel discussion about campus life, and the day concludes with a one-hour walking tour of campus led by a current student. The only cost for attending Campus Close-Up is lunch. The program begins at 9:30 a.m. and concludes at 3:15 p.m.

Individual appointments with admissions counselors are available from September through June and are designed for prospective first year students who are unable to attend a Group Information Session or a Campus Close-Up.

Individual appointments with a transfer admissions counselor are recommended for transfer students who have not yet applied for admission. The appointment will include information about the application process and admission guidelines. Please note: Admitted transfer students who have questions regarding registration and academic advising are encouraged to contact the dean’s office of the college to which they are assigned.

For more visit information, please explore the Visit Us (http://www2.uwlax.edu/Admissions/Visit-us) section of the Admissions website. If you have questions, please email admissions@uwlax.edu or call the Admissions Office at 608.785.8939.

First Year Admissions
Applications (https://apply.wisconsin.edu) for admission must be submitted electronically.

Applications for the fall semester are accepted beginning September 15 of the previous year. All complete applications received by February 1 will receive full consideration for admission. After February 1, applications will be considered on a space-available basis. Applications for spring semester are accepted beginning September 1 of the fall preceding that term.

To be considered for admission, individuals must submit the following items to the Admissions Office, UW-La Crosse, Cleary Center, 1725 State Street, La Crosse, WI 54601 USA:

1. Completed UW System application (https://apply.wisconsin.edu)
2. Official high school transcript
3. Non-refundable application fee
4. Official ACT or SAT scores sent directly from ACT/SAT

First year admission requirements
Applicants for admission as new first years must satisfy the following minimum requirements to be considered:

1. Graduation from a recognized high school or the equivalent.
   a. a recognized high school is
      i. accredited by a regional accrediting association or state university
      ii. recognized or accredited by a state department of public instruction or its equivalent
   b. an applicant who has not graduated from a recognized high school must provide evidence of satisfactory completion of the requirements for a high school equivalency certificate or a diploma from a recognized high school, school system, or state department of public instruction based on the GED examination, the Wisconsin High School Equivalency Diploma, or other established criteria. Applicants from alternative educational backgrounds, including home-schooled students, should contact the Admissions Office for specific information. Additional documents, testing, and a personal interview may be required.

2. Completion of the following 17 high school credits is minimal preparation and is required for admission consideration. Applicants are strongly recommended to take advanced courses beyond the required 17 high school credits. Students admitted on the basis of a high school equivalency diploma are considered to have fulfilled these minimum subject matter requirements.
   a. four credits of English.
   b. three credits of mathematics, specifically algebra, advanced algebra, and geometry.
   c. three credits of natural science with two credits from biology, chemistry, physics, earth science, or advanced courses in these disciplines. (Integrated Science I and II courses will be counted on a one-for-one basis.)
   d. three credits of social science (i.e., anthropology, economics, history [U.S. or world], political science [civics/government], psychology, or sociology).
   e. four academic credits from the above and/or in the fine arts, computer science, foreign language, or other academic areas.
3. Submission of University of Wisconsin Placement test scores in mathematics and English.

Candidates for admission must satisfy requirements 1 and 2.

All applications receive a comprehensive review. Due to enrollment limitations and the competitive nature of admission to the university, admission consideration will be primarily based on rigor of courses, high school rank, grade point average, and ACT/SAT scores. While academic preparation is the primary criterion used in the admissions review process, other non-academic secondary factors may contribute to the strength of an application. These may include qualities such as demonstrated leadership, extracurricular involvement, special talent, personal statement, recommendations, and/or adding a diverse dimension to our campus community.

The following is a general profile of our admitted first years for fall 2013. This is reported for the middle 50% range, so 25% of admitted first years fall above this range and 25% of admitted first years fall below this range.

- Class Rank: 73rd to 90th percentile
- ACT Composite: 23 - 27

**ACT/SAT examination**

First year candidates for admission must take the ACT or the SAT. Scores must be sent to the Admissions Office directly from ACT or SAT. No admission decision will be made until official scores are received. High school students are recommended to take the exam in the spring of their junior year or early in their senior year.

Information concerning the test dates, locations, fees, and application information may be obtained from any high school guidance office or by visiting the university’s Counseling and Testing Center (http://www.uwlax.edu/counseling/testing.htm). The ACT/SAT requirement may be waived for non-traditional students.

**Mathematics and English placement**

Placement into the appropriate level of English and mathematics courses is determined by using scores earned on the University of Wisconsin Placement Exams and the ACT/SAT. Students cannot take classes above their placement level. Course registration in either discipline is limited to those students who have demonstrated their competency through the examinations. ENG 050 Fundamentals of Composition (3 cr.) and MTH 050 Basic Algebra (3 cr.) and MTH 051 Topics in Intermediate Algebra (2 cr.) are courses designed for students whose test scores indicate a low probability for success in college-level courses. Any student may enroll in ENG 050 or MTH 050 or MTH 051, but if you need ENG 050 and/or MTH 050 or MTH 051, you must complete the requirement(s) prior to earning 30 degree credits. Placement exam results expire two years from the date of the exam, after which the placement exam must be retaken.

**Concurrent high school/UW-L enrollment, Youth Options, and Course Options**

UW-L offers enrollment options to high school students who wish to pursue university course work while completing their studies in high school. Applicants must have completed at least the ninth grade and preferably the eleventh grade before entering the university. Special admission is granted only to those highly qualified applicants who demonstrate that they can benefit from entrance into college.

The Youth Options (Wisconsin Act 27) Program stipulates that qualified Wisconsin high school juniors and seniors may attend post secondary institutions and the school districts may be responsible for tuition and fees for the course(s) if a student has exhausted all high school course work in the educational disciplines for which they plan to enroll.

The Course Options (2013 Wisconsin Act 20) Program stipulates that qualified Wisconsin high school students enrolled in a public school district may attend post secondary institutions and the school districts may be responsible for tuition and fees for the course(s).

Registration for courses as a high school student is subject to course, program, and institutional enrollment limits.

**Admission requirements for concurrent high school/UW-L enrollment**

1. High school seniors must rank in the upper 25% of their high school class or score in the upper 10% on the ACT/SAT (26 or higher ACT composite score or SAT of 1190 in Critical Reading + Math). High school sophomores and juniors must rank in the upper 10% of their high school class. (Youth Options does not include sophomores.)
2. Completion of appropriate preparatory high school course work for college courses.
3. A personal interview may be required for sophomore candidates.

**Application procedures for concurrent high school/UW-L enrollment**

1. Submit a UW System application (https://apply.wisconsin.edu). Students apply as a “special non-degree” student. The application fee is not required.
2. Submit a completed High School/UW-La Crosse Enrollment information sheet (http://www2.uwlax.edu/uploadedFiles/Offices/Admissions/Youth%20Options%20Form%202013.pdf).
3. Submit an official high school transcript and, if applicable, ACT/SAT scores.

The UW System application, High School/UW-La Crosse Enrollment information sheet, high school transcript, and, if applicable, ACT or SAT scores should be mailed to the Admissions Office, UW-La Crosse, Cleary Center, 1725 State Street, La Crosse, WI 54601 USA.

**Credit by examination and retroactive credit**

Students may earn university credit through a variety of options. For specific information, admitted students should contact the Admissions Office and continuing students should contact the college or school in which they are enrolled.

The five options are:

1. Advanced Placement Program: Students who have participated in the College Board Advanced Placement program (AP) in high school and have received scores of 3, 4, or 5 will receive academic credit. Transcripts of your AP scores must be submitted directly from the College Board to the Admissions Office for evaluation to determine how academic credit will be awarded.
2. College Level Entrance Program: The College Level Entrance Program (CLEP) is a national program administered through the College Board. UW-La Crosse follows the American Council on Education (ACE) guidelines and recommendations for minimum scores for awarding credit in all subject examinations.
Transcripts must be submitted directly from the College Board to the Admissions Office.

3. Departmental Credit by Exam: Each department will have on file an examination for each course the department determines to be introductory, including courses applicable to the skills component of the General Education Program.

4. Retroactive Credit: Three departments (Computer Science [http://www.cs.uwlax.edu], Modern Languages [http://www.uwlax.edu/], and Mathematics [http://www2.uwlax.edu/Mathematics]) offer retroactive credit for previous course work.

5. International Baccalaureate: Credit will be granted for “Higher Level” examinations with a score of 4 or greater. Transcripts must be submitted directly from IB to the Admissions Office.

See the Admissions Office for more information on specific types of credit by examination and retroactive credit (http://www2.uwlax.edu/Admissions/AP/IB/CLEP-credit/#anchorDept). Some departments include more information on their department pages in regard to their own policy and procedures.

UW-L has specific academic policies regarding how credit by examination and retroactive credit is earned and recorded on a student’s transcript. For the full university policy (p. 31), see the academic polices section.

**Transfer Student Admissions**

**Application procedures/requirements**

Applications (https://apply.wisconsin.edu) for admission are to be sent electronically. The University will begin accepting transfer applications on January 1 for the summer term or fall semester and will continue until closed. The University will begin accepting transfer applications on September 1 for the winter term or spring semester and will continue until closed. To be considered for admission, a student must submit the following items to the Admissions Office, UW-La Crosse, Cleary Center, 1725 State Street, La Crosse, WI 54601 USA:

1. A completed UW System application (https://apply.wisconsin.edu)
2. An official high school transcript if student has earned less than 60 transferable semester credits
3. All official college transcripts (transcripts must be mailed directly from the institution(s) attended to the UW-La Crosse Admissions Office)
4. A list of courses in progress, if currently enrolled, with course numbers, titles, and the number of credits for each course
5. A non-refundable application fee is required for anyone applying as a transfer student. If the student’s last institution attended is one of the two-year University of Wisconsin Colleges, the student does not need to pay the application fee.
6. ACT/SAT scores

**Admission guidelines**

All applications receive a comprehensive review. Students with at least a 2.50 cumulative grade point average in all previous college level work will be considered stronger candidates for admission. Students with a cumulative grade point average between a 2.0 and a 2.49 will be considered for admission on a space available basis. In addition to grade point guidelines, students must be in good standing at their previous institution to be admitted to UW-L. Students who were not admissible as new first years must earn at least 18 transferable semester credits to be considered for admission as a transfer student.

Due to enrollment limitations and the competitive nature of admission to the university, admission consideration will be primarily based on academic preparation. While academic preparation is the primary criterion used in the admissions review process, other non-academic secondary factors may contribute to the strength of an application. These may include qualities such as demonstrated leadership, extracurricular involvement, special talent, personal statement, recommendations, and/or adding a diverse dimension to our campus community.

Admission to the university does not assure admission to specific degree programs. All transfer students must meet the same criteria (i.e., grade point average, course requirements, etc.) for admission to specific majors or programs as continuing students.

**Academic advising and registration**

After being admitted to the university, transfer students are required to submit a $100 enrollment deposit. After the enrollment deposit is received, the Admissions Office will evaluate the courses taken to determine the number of credits that will be granted in transfer. This will be used to determine classification as first year, sophomore, junior, or senior. Information will be sent regarding web registration and academic advising in April for those students admitted to the summer term and fall semester and in November for those students admitted to the winter term or spring semester. In preparing to register, transfer students are encouraged to contact the academic advisor/assistant to the dean for the assigned college or school. College or school assignments are noted in the letter of admission. In the process of academic advising, should a student disagree with how a course(s) transfers or how a course(s) applies toward a program of study, a formal appeals process is available. Consult with the assistant to the dean of the college or school in which the student is enrolled. If the student is undecided about a major, the student may talk to an advisor in the Academic Advising Center.

**Transfer credit policies**

Credits considered for transfer to UW-L must have been earned at regionally accredited institutions, e.g., Higher Learning Commission/North Central Association. Transfer credit is allowed for appropriate college-level courses completed at four-year colleges and universities as well as from two-year colleges and vocational/technical schools with accredited college parallel programs. Credits in vocational/technical programs other than college parallel programs will not transfer to this university. (See WTCS transfer policy.) Military service school credit may be granted in transfer based upon recommendations of the American Council on Education. Credits also may be transferred from examination programs such as the Advanced Placement Program (AP), the College Level Entrance Program (CLEP), or the International Baccalaureate program (IB).

The UW System maintains a Transfer Information System (TIS) website. The site provides information about credit transfer and academic program requirements. TIS is designed to give prospective transfer students current information about transferring, including how UW System and Wisconsin Technical College System (WTCS) courses will transfer to any institution in the UW System, and which courses to take at the student’s current institution to fulfill specific requirements at the intended transfer campus.

When credits are transferred and accepted, they are recorded in terms of UW-L courses. The student’s record shows courses, grades, and credits; however, only credits are used. Grades and/or grade points are not generally transferred. Exceptions to this policy are necessary for admission into certain programs/majors. The cumulative grade point
average of each UW-L student is determined only by credits and grades earned in residence at the university.

If a student is currently enrolled at UW-L and intends to take course work elsewhere either in a summer term or during an academic year, the student must secure approval in advance of enrollment at other institutions for course work to be taken for transfer to this university. The student should see the assistant to the dean in the dean’s office of the school/college in which he or she is enrolled and complete an “Off-Campus Permit” form, which is used to secure approval to transfer credits from other institutions.

Transfer of "D" credits
A course in which a grade of "D" was earned and accepted by this university may be applied to general education and/or core requirements but will be subject to re-evaluation at a later date if the student chooses to major or minor in the subject area or discipline in which the "D" grade was earned.

Transcripts from transfer students
UW-L accepts transcripts sent directly from the issuing institution(s). UW-L will not accept transcripts directly from the student and/or those marked “Issued to Student” unless the transcripts remain sealed in an envelope stamped by the issuing institution(s).

Two-year/four-year transfer policy
Usually general education requirements will be satisfied by students who have completed associate degrees in college parallel programs at accredited four-year institutions, two-year collegiate transfer programs from two-year institutions, community colleges, or junior colleges. Students admitted with an associate degree are still required to meet all core, professional, ethnic studies, major, and minor requirements. The university reserves the right to review the student’s associate degree and require additional general education courses. The maximum number of credits transferable from a two-year institution is 72.

Guaranteed transfer program for UW college students
UW College (two-year campuses) students who intend to pursue their education at the University of Wisconsin-La Crosse will be guaranteed admission providing they meet the following criteria:

1. Submit a UW System application to the UW-L Admissions Office the first month of the semester prior to the semester of intended enrollment.
2. Be in good standing and have completed an associate degree or 60 credits at any UW College with a minimum 2.00 cumulative grade point average.

All general education requirements will be satisfied by students who have completed associate degrees. Students accepted under this two-year transfer policy are required to meet all core, professional, ethnic studies, major, and minor requirements. Admission to the institution does not assure admission to specific degree programs. UW College students must meet the same criteria (i.e., grade point average, course requirements, etc.) for admission to specific majors or programs as continuing UW-L students.

Wisconsin Technical College System (WTCS) transfer policy
The UW System undergraduate transfer policy allows the university to transfer up to 72 general education credits in communications, behavioral sciences and social sciences, mathematics, and natural sciences from WTCS non-college parallel associate degree programs. In certain cases where the WTCS credit is not acceptable for transfer, students will have an opportunity to earn credit by examination if the academic department offers an appropriate exam. Program-to-program agreements with the Wisconsin Technical College System allow students to transfer additional credits with or without the associate degree. Currently there are agreements in the following disciplines: business and information systems, nuclear medicine technology, computer engineering technology, visual communications, early childhood education, and radiation therapy. Most of these agreements are with Western Technical College (WTC). UW-L and WTC also have an articulation agreement for a liberal arts degree. For details, contact the UW-L Admissions Office.

Program-to-program agreements
In addition to the Wisconsin Technical College System program-to-program agreements, other agreements have been established with Lac Courte Oreilles Ojibwa Community College; College of St. Catherine; Lake Superior College; Northeast Iowa Community College; Carthage College; University of Minnesota; UW-Madison; UW-Platteville; UW-Milwaukee; Guangxi Normal University, South Central University of Nationalities, and Wuhan University, China; University of Caen, France; and University of Applied Sciences, Germany. For details, contact the UW-L Admissions Office.

International Students
The Office of International Education (http://www.uwlax.edu/oie) coordinates the admission process of any applicant who is not a citizen or permanent resident of the United States.

To apply for undergraduate admission, please follow the instructions below.

• Application: Complete the UW System online application (https://apply.wisconsin.edu).
• Application fee: Payable with a credit card at the same time you submit an online application.
• Processing fee: Payable with a credit card at the same time you submit an online application.
• Academic records: Official copies of academic records from all previous secondary school and post-secondary institutions, whether or not the program was completed, are required. Academic records issued in languages other than English must be accompanied by literal English translations. Photocopies, scanned, or notarized copies are not accepted as official documents.
• Transfer applicants: If you are seeking transfer credits, course descriptions must be submitted before you begin your studies at UW-L.
• English language proficiency: Submit an official TOEFL score of at least 73 iBT or 550 pBT; or an official IELTS score of at least 6.0 with at least 5.5 in all subscores. UW-La Crosse’s institutional code is 1914.
• Undergraduate applicants who do not have the minimum TOEFL/IELTS score may be considered for conditional admission. Students who are conditionally admitted are required to enroll in our English as a Second Language Institute.
Special Non-Degree Students

Students desiring to audit or take selected courses for credit, but who do not expect to earn a degree at this university, may enroll as special non-degree students. Applications for admission are to be sent electronically. Complete transcripts of high school and college records need not be submitted; however, in some circumstances to determine eligibility for admission, the Admissions Office may request that the student submit academic records. A high school diploma or its equivalent is required. Students may be admitted to undergraduate status on a degree basis at a later date provided they submit an application as a degree seeking student, send complete transcripts of previous work, and meet admission requirements.

After admission as a degree-seeking student, course work as a special non-degree student will be evaluated. Credit may be granted for courses completed during the initial period of special status, although there is no assurance that work as a special student will be credited toward degree completion. If regular undergraduate status is achieved by following this procedure, no student will be allowed to revert to a special non-degree status to avoid conforming to any prescribed course of study.

Students disqualified for entrance or continuance at another collegiate institution are not eligible to enroll as special non-degree students at the University of Wisconsin-La Crosse.

Students who already have a college degree and desire to undertake further study to earn a second undergraduate major, to qualify for teaching certification, or to remove deficiencies must complete the UW System application and submit one official transcript of all previous college work.

Information regarding undergraduate enrollment in graduate courses (p. 34) may be found within the "Academic Policies" section.

Second Degree Students

A student who holds a bachelor’s degree may be admitted to the university to earn a second bachelor’s degree. Students must complete the UW System application and have one official transcript sent from each university attended. Students will need to consult with the dean’s office for the college to which they are assigned (see letter of admission) to determine which courses are needed to earn a second undergraduate degree. Details covering the requirements for a second bachelor’s degree may be found in the degree requirements (p. 54) section of the catalog.

Re-Entry and Readmission

Re-entry

If a student voluntarily interrupts university work while in good academic standing, that student may be granted re-entry status by submitting an online application to the Records and Registration Office if the re-entry enrollment target has not been reached already. Due to enrollment limits, it is possible not all students who apply for re-entry will be accepted. It is advantageous to apply early in order to be approved to register as soon as possible. If a student has been out of school voluntarily for a year or more, or involuntarily for any amount of time, the student will be subject to the requirements of the catalog in effect upon return. If the student has been gone voluntarily for one semester, the student remains under the "old" catalog. Students granted re-entry status who were on scholastic probation or other conditional status at the time of last attendance at UW-L retain such status as a condition of re-entry.

If a student has attended another institution(s) after leaving UW-L, official transcripts of that academic record(s) should be mailed directly from the issuing institution(s) to the Records and Registration Office at the time he or she applies for re-entry. Transcripts that are marked "Issued to Student" or that are hand delivered by a student will not be accepted unless the transcript remains sealed in the original stamped envelope from the issuing institution(s).

Eligibility for re-entry is based upon previous work at this university and any others attended since leaving UW-L. A student must be eligible to return to the institution last attended. Re-entry transfers must meet the same GPA requirements for admission as other transfer students.

Readmission after dismissal for ineligibility

If a student desires readmission after having been declared ineligible to continue for scholastic or other reasons, the student must first apply to the dean of the UW-L school or college in which the student was last enrolled, and then submit an online application to the Records and Registration Office for admission.

Students declared ineligible to continue must follow catalog requirements in effect at the time of readmission. It is advantageous to apply for readmission early in order to facilitate registration in a timely manner. The appropriate dean will apprise the Records and Registration Office of the student’s eligibility for readmission. During times of controlled or limited enrollment, preference will be given to students re-entering in good standing.
Expenses, financial aid & scholarships

Paying for tuition is a significant concern for most students, and the university continually strives to provide options for those who may be struggling or who have questions. The following offices or groups are available to help students overcome the challenge of paying for college.

(Links in the following list go to the office’s outside website. Links in the site map below go to the topic’s catalog page.)

- Financial Aid Office (http://www2.uwlax.edu/finaid)
- UW-L Foundation (http://www.foundation.uwlax.edu)
- It Make$ Cents! (http://www2.uwlax.edu/It-Makes-Cents/IMC!-Home)
- Veterans Educational Benefits Office (http://www2.uwlax.edu/veteran-services)
- Cashier’s Office (http://www.uwlax.edu/cashiers)

In addition to the contacts above, this catalog provides information about the expenses incurred at the university followed by some specific options on how to pay for the cost. This section aims to provide students with an overview of fees and billing, financial aid options, scholarship possibilities, and educational benefits for veterans.

Expenses

- Fees (p. 20)
- Electronic billing (p. 20)
- Installment billing (p. 20)
- Excess credit policy (p. 20)
- Segregated fees (p. 21)
- Textbooks (p. 21)
- Health service (p. 21)
- Residence halls (p. 21)
- UW-L dining services (p. 21)

Financial aid & Scholarships

- Eligibility requirements (p. 21)
- Application procedures (p. 21)
- Notification dates (p. 22)
- Financial aid programs (p. 22)
- Satisfactory academic progress policy (p. 22)
- Evaluation process (p. 23)
- Appeal process (p. 24)
- Additional information about financial aid (p. 24)
- Scholarships, awards, and short term loans (p. 24)
- The University of Wisconsin-La Crosse Foundation, Inc. (p. 24)

Veteran benefits

- Veteran educational benefits (p. 24)
- Priority registration for veterans (p. 24)

Expenses

- Fees (p. 20)
- Electronic billing (p. 20)
- Installment billing (p. 20)
- Excess credit policy (p. 20)
- Segregated fees (p. 21)
- Textbooks (p. 21)
- Health service (p. 21)
- Residence halls (p. 21)
- UW-L dining services (p. 21)

Fees

The university establishes a fee schedule for each academic year. The fees for each term are published by the Cashier’s Office (http://www.uwlax.edu/cashiers/tuitionfeeschedule.htm). If there are questions about current fees, contact the Cashier’s Office, 121 Graff Main Hall. The Board of Regents reserves the right to change tuition and fees without published notice. New students (including transfers) are required to pay a non-refundable tuition deposit before registering for classes.

Electronic billing

Billing reminders are sent via email to the student’s campus email address. Billing information is confidential. By law, the university cannot release this information to anyone other than the student. It is the responsibility of the student to check campus email and to make sure that the bill is routed to the proper individual for making payment.

Current billing information can also be found in the Cashier’s Office (http://www.uwlax.edu/cashiers) or, for current students, using their WINGS (https://wings.uwlax.edu/psp/csprod/?cmd=login&languageCd=ENG&) Student Center. A student ID# and PIN are required to access the WINGS electronic bill. Because this PIN allows access to other confidential information, such as grades and schedules, it is the student’s decision as to whether or not to share the PIN with other individuals. Payment can be made electronically through the WINGS (https://wings.uwlax.edu/psp/csprod/?cmd=login&languageCd=ENG&) Student Center.

Installment billing

Semester charges for tuition, room, and board are due no later than the posted due date. A student may elect to either pay the bill in full without interest by the billing due date or pay a portion of the balance due and be billed one month later for the remainder plus interest. All outstanding balances must be paid in full before a student will be allowed to register for future terms.

Excess credit policy

Wisconsin resident undergraduate students who have earned 165 credits or 30 credits more than required for their degree programs, whichever is greater, are charged a surcharge equal to 100% of the regular resident tuition on credits beyond that level. The policy covers all Wisconsin resident undergraduate students pursuing their first bachelor’s degree, including students pursuing a double major. Minnesota residents and non-residents graduate, post-baccalaureate, and non-degree students are exempt. All credits earned at UW-System campuses and Wisconsin Technical College System (WTCS) transfer credits accepted toward a degree are counted in the total. Retroactive, AP, military, and other college transfer credits do not count. The surcharge is applied to students in the semester following the one in which they reach the earned credit limit. Once it has been levied, a student has the right to appeal the surcharge to the assistant controller.
Segregated fees

The semester bill includes instructional fees (tuition) and segregated fees. The tuition charge is established by the Board of Regents, and the fees are determined by the student government with the support of campus administration. The fees fund student services including the Health Center, textbook rental, student centers, the childcare center, and activities such as athletics, intramurals, and other organized activities.

Textbooks

Undergraduate course textbooks are available on a rental basis through the Textbook Rental Service (http://www.uwlax.edu/textbookrental). Textbook rental, for undergraduates, is included in the semester segregated fee. Undergraduates may purchase rental textbook titles through the University Bookstore on a special order basis. Students enrolled in graduate courses are expected to purchase their textbooks, which are available through the University Bookstore (http://www.uwlax.edu/Bookstore).

Health service

If a student meets student health service requirements and pay the segregated fee at registration, the student is eligible to receive outpatient care, physical therapy, radiography, and laboratory service in the Health Center. Students carrying seven credits or more are automatically charged the segregated fee. Students carrying less than seven credits may choose to pay a health service fee. A description of health care facilities and medical requirements for entering students can be found in the Student Health Center (http://www.uwlax.edu/StudentHealth).

The following services are not provided: medicines, eye refraction, care of families of married students, medical and surgical consultation outside of the Health Center, ambulance service, emergency room visits, hospitalization, house calls or after hours visits, dental visits, premarital examinations, pregnancy care, infertility studies, sterilization procedures, or abortion.

Students should check their current insurance policies to make sure they have adequate coverage for services not provided by the Health Center. If a student does not have health insurance coverage, the student may enroll in a student group insurance plan. If the student’s current policy will expire during the school year, the student should plan to purchase student group insurance at the beginning of the semester in which existing coverage will cease.

Residence halls

According to the Board of Regents policy, first years and sophomores who are not veterans, married students, or students residing in their parent’s or guardian’s home must live in a university-operated residence hall when accommodations are available. Requests for exceptions to this policy must be made in writing to the Director of Residence Life.

Once a student has been accepted and paid the registration fee, the student will be sent directions about the online sign-up process. The student will be directed to pay a housing deposit and then complete the online housing application. Residence hall facilities, regulations, and programs are described on the Residence Life (p. 49) page.

UW-L dining services

All students living in traditional residence halls must purchase one of the traditional Basic or Plus Meal Plans and are not eligible to be on any block plans. Students on the Basic Plan can choose to have 14 or 19 meals per week. The Plus Plan offers a choice of 14 or 19 meals per week and 30 Block meals for the semester. Students living in Reuter Hall may purchase a Reuter Block Plan or choose to be on one of the traditional meal plans. The student will be given an opportunity to select a meal plan (http://www2.uwlax.edu/University-Centers/Meal-plans) that best fits the student’s eating preferences. Should a student find that meal plan needs are different than the student anticipated, the student may request changes during the first two weeks of school. Students may change their meal plan at the end of the semester by visiting the Meal Plan/TowerOne Card Office, 223 Cartwright Center.

Contract board service is provided in Whitney Center. Catering and other dining areas are available in Cartwright Center for commuters as well as resident students. Dining service (http://uwlaiddining.com) is available only when the university is in session. Limited dining options are available during winter intersession and summer term. Further information may be obtained from the Meal Plan/TowerOne Card Office, 223 Cartwright Center.

Financial Aid Programs

• Eligibility requirements (p. 21)
• Application procedures (p. 21)
• Notification dates (p. 22)
• Financial aid programs (p. 22)
• Satisfactory academic progress policy (p. 22)
• Evaluation process (p. 23)
• Appeal process (p. 24)
• Additional information about financial aid (p. 24)
• Scholarships, awards, and short term loans (p. 24)
• The University of Wisconsin-La Crosse Foundation, Inc. (p. 24)

Eligibility requirements

Most financial aid programs are based on financial need. This is demonstrated by applying a federal need analysis formula to the student and family financial information provided on the Free Application for Federal Student Aid (FAFSA). Exceptions to the financial need requirement include the Wisconsin Academic Excellence scholarship, Counselor’s Choice scholarships, Return to Wisconsin scholarships, and Federal Parent Plus loans.

Admission to the university is a prerequisite to consideration for financial aid. Special non-degree students are not eligible for aid unless they are working toward an approved license or certificate.

Students must demonstrate satisfactory academic progress (p. 22) in order to receive aid. Several other federal and state requirements need to be met in order to receive financial aid. These include proper citizenship status, registration with the Selective Service System, and not being in default on any federal student loan.

Unless previously negotiated, all aid awards are based on full-time student status. Students carrying less than a full-time load will have their aid reduced accordingly.

Application procedures

All financial aid applicants must file the Free Application for Federal Student Aid (http://www.fafsa.gov) (FAFSA). File the FAFSA by March 15 for priority consideration, although applications are accepted throughout the academic year. A paper version of the FAFSA is available by calling 1.800.433.3243 or selecting “FAFSA: Apply for Aid” at Federal Student Aid (http://studentaid.ed.gov/fafsa).
students whose application is selected for verification by the United States Department of Education or the Financial Aid Office will be required to submit student and parent federal income tax return transcripts (copies of tax returns do not meet this requirement) to the Financial Aid Office. Other documents may also be required.

Notification dates
Students who complete their application by the March 15 priority date can usually expect to receive a financial aid offer by July 15. Students who complete their application after March 15 will receive a financial aid offer as soon as possible after July 15. Applications received after June 1 may not be processed in time for students to receive their aid by the start of the fall semester. These students should be prepared to pay their initial expenses from their own resources.

Financial aid programs
FEDERAL PELL GRANT: These need-based grants are available to qualified undergraduate students.

FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT: These need-based grants are available to qualified undergraduate students.

FEDERAL WORK-STUDY PROGRAM: This need-based program provides on-campus and off-campus employment to qualified students. Students who do not qualify for Federal Work-Study can work on campus purposes only. The applicant must have completed at least one semester at UW-L, be in good academic standing, and be a full-time student. Apply at the UW-L Financial Aid Office (http://www2.uwlax.edu/finaid).

WISCONSIN HIGHER EDUCATION GRANT: These need-based grants are available to qualified undergraduate students who are Wisconsin residents.

TALENT INCENTIVE PROGRAM GRANT: These need-based grants are available to qualified undergraduate students who are Wisconsin residents and demonstrate exceptional financial need.

FUND FOR WISCONSIN SCHOLARS: These need-based grants are available to select group of qualified lower income undergraduate students who are recent graduates of Wisconsin public high schools.

RETURN TO WISCONSIN SCHOLARSHIPS: These scholarships provide a 25% discount of non-resident tuition to children and grandchildren of UW-L graduates.

NON-RESIDENT FEE WAIVERS: These need-based grants are available to residents of states other than Wisconsin and Minnesota.

WISCONSIN GI BILL TUITION WAIVER: This program is available to eligible veterans who entered active duty as a Wisconsin resident, or a spouse or dependent of a deceased or disabled eligible veteran.

WISCONSIN STUDY ABROAD GRANT: These need-based grants are available to Wisconsin residents who study abroad through the UW-L Office of International Education.

WISCONSIN ACADEMIC EXCELLENCE SCHOLARSHIP: This program is available to top students at Wisconsin high schools. The program is administered by local school boards, the Wisconsin Department of Public Instruction, and the Wisconsin Higher Educational Aids Board.

LAWTON UNDERGRADUATE MINORITY RETENTION GRANT: These grants are available to statutorily defined ethnic minority sophomores, juniors, and seniors who are in good standing academically and are residents of Wisconsin or Minnesota.

NATIVE AMERICAN INDIAN GRANTS (FEDERAL/TRIBAL/WISCONSIN): Native American students should file an application with their tribe.

FOREIGN STUDENT SCHOLARSHIPS: These partial non-resident fee waivers are available to qualified international students. International students should file an application with the Office of International Education.

ACADEMIC INITIATIVE AWARDS: These programs are student funded and offer funds to international students and students studying abroad. Students should file an application with the Office of International Education. Submission of a services plan does not necessarily guarantee that the student will receive an Academic Initiative Award.

FEDERAL SUBSIDIZED LOAN: This loan is available to students who demonstrate financial need. Students borrow from the Department of Education and the federal government pays the interest while the student is in school. Interest is at a fixed rate. Repayment begins six months after the student ceases to be at least a half-time student.

FEDERAL UNSUBSIDIZED LOAN: This loan does not require that the student demonstrate financial need as a result of filing the FAFSA. The terms are the same as the Federal Subsidized Loan except that the student is responsible for all interest charges from the date of disbursement of the loan forward. Interest is at a fixed rate that is determined each spring for the upcoming year.

FEDERAL PERKINS LOAN: This need-based loan is available to qualified students who demonstrate exceptional financial need. The loan is interest-free as long as the student is at least a half-time student. Repayment begins nine months after the student ceases half-time enrollment. Limited funding.

FEDERAL PARENT PLUS LOAN: Parents of dependent undergraduate students are eligible to borrow from the Department of Education under this program. Apply at the UW-L Financial Aid Office (http://www2.uwlax.edu/finaid). Parents must be credit-worthy.

EMERGENCY SHORT TERM LOAN: These loans are for emergency purposes only. The applicant must have completed at least one semester at UW-L, be in good academic standing, and be a full-time student. Apply at the UW-L Financial Aid Office (http://www2.uwlax.edu/finaid).

FEDERAL WORK-STUDY PROGRAM: This need-based program provides on-campus and off-campus employment to qualified students. Students who do not qualify for Federal Work-Study can work on campus on the regular student help payroll. These students should apply at academic departments and administrative units. Students can also search for off-campus jobs in the private sector at the Financial Aid Office’s Job Board. Apply at the UW-L Financial Aid Office (http://www2.uwlax.edu/finaid).

WISCONSIN ACADEMIC EXCELLENCE SCHOLARSHIP: This program is available to top students at Wisconsin high schools. The program is administered by local school boards, the Wisconsin Department of Public Instruction, and the Wisconsin Higher Educational Aids Board.

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LAWTON UNDERGRADUATE MINORITY RETENTION GRANT: These grants are available to statutorily defined ethnic minority sophomores, juniors, and seniors who are in good standing academically and are residents of Wisconsin or Minnesota.

NATIVE AMERICAN INDIAN GRANTS (FEDERAL/TRIBAL/WISCONSIN): Native American students should file an application with their tribe.

FOREIGN STUDENT SCHOLARSHIPS: These partial non-resident fee waivers are available to qualified international students. International students should file an application with the Office of International Education.

ACADEMIC INITIATIVE AWARDS: These programs are student funded and offer funds to international students and students studying abroad. Students should file an application with the Office of International Education. Submission of a services plan does not necessarily guarantee that the student will receive an Academic Initiative Award.

FEDERAL SUBSIDIZED LOAN: This loan is available to students who demonstrate financial need. Students borrow from the Department of Education and the federal government pays the interest while the student is in school. Interest is at a fixed rate. Repayment begins six months after the student ceases to be at least a half-time student.

FEDERAL UNSUBSIDIZED LOAN: This loan does not require that the student demonstrate financial need as a result of filing the FAFSA. The terms are the same as the Federal Subsidized Loan except that the student is responsible for all interest charges from the date of disbursement of the loan forward. Interest is at a fixed rate that is determined each spring for the upcoming year.

FEDERAL PERKINS LOAN: This need-based loan is available to qualified students who demonstrate exceptional financial need. The loan is interest-free as long as the student is at least a half-time student. Repayment begins nine months after the student ceases half-time enrollment. Limited funding.

FEDERAL PARENT PLUS LOAN: Parents of dependent undergraduate students are eligible to borrow from the Department of Education under this program. Apply at the UW-L Financial Aid Office (http://www2.uwlax.edu/finaid). Parents must be credit-worthy.

EMERGENCY SHORT TERM LOAN: These loans are for emergency purposes only. The applicant must have completed at least one semester at UW-L, be in good academic standing, and be a full-time student. Apply at the UW-L Financial Aid Office (http://www2.uwlax.edu/finaid).

FEDERAL WORK-STUDY PROGRAM: This need-based program provides on-campus and off-campus employment to qualified students. Students who do not qualify for Federal Work-Study can work on campus on the regular student help payroll. These students should apply at academic departments and administrative units. Students can also search for off-campus jobs in the private sector at the Financial Aid Office’s Job Board. Apply at the UW-L Financial Aid Office (http://www2.uwlax.edu/finaid).

UW-L SCHOLARSHIPS: The UW-L Foundation awards several hundred scholarships each year to incoming first years and continuing students. For more information or an application, contact the UW-L scholarship coordinator at 608.785.8491 or visit UW-L Foundation (http://www.foundation.uwlax.edu/sch.html).


Satisfactory academic progress policy
Federal Law mandates that post secondary institutions participating in Federal Financial Aid Programs have in place and monitor an academic progress policy for financial aid. The components to the UW-La Crosse Satisfactory Academic Progress (SAP) Policy for financial aid are as follows: Grade point average (GPA), Pace (67% Rule), and Maximum Time Frame (150% Rule).
1. Grade Point Average (GPA):
   All undergraduate students receiving financial aid must maintain a 2.0 UW-L cumulative GPA, while graduate students receiving financial aid must maintain a UW-L cumulative GPA of 3.0. Note that this GPA requirement is different from the Retention, Probation and Suspension requirements listed in the Undergraduate catalog. Students receiving financial aid must follow both. Transfer credits are not included in the UW-L cumulative GPA calculation. Grades of W and P are not factored into this calculation once a cumulative GPA is established. Students enrolled in both undergraduate and graduate courses must meet the requirements of the degree seeking career, while students seeking a certificate will be required to follow the undergraduate GPA requirements.

2. Pace (67% Rule):
   All full-time and part-time undergraduate and graduate students at UW-La Crosse who receive financial aid must stay on pace to graduate on time. Pace is calculated by dividing the cumulative number of credits a student successfully completed by the cumulative number of credits they have attempted. (See note regarding completed and attempted credits). When this calculation falls below 67%, a student is no longer on pace to graduate on time. Transfer credits that count toward a student’s program are considered within this calculation as credits attempted and credits earned.

3. Maximum Time Frame (150% Rule):
   An eligible undergraduate, graduate, or second degree seeking student can receive Federal financial aid while attempting up to, but not exceeding, 150% of the published normal completion length of the student’s program, regardless of enrollment status. For example, a student seeking a degree which requires 120 credit hours could receive financial aid while attempting 180 credit hours (120 X 150% = 180). Credits transferred to UW-La Crosse, and any credits attempted at UW-L, with or without the benefit of student financial aid, must be taken into consideration. Financial aid will be suspended when our office determines that a student cannot mathematically complete their degree within this time frame.

**Evaluation process**

These components are evaluated every payment period (fall/spring/summer) after grades are posted. The first time that a student does not meet the GPA, Pace, or is approaching the Maximum Time Frame requirement, they will be notified via campus email that they are being automatically placed on Warning Status for one payment period. By the next evaluation, the student must be meeting all components of SAP to be placed back in good standing. If not, the student’s financial aid will be suspended, and they must complete an Appeal for Financial Aid Reinstatement and explain why they failed to meet SAP and what has changed that will allow them to meet SAP by the next evaluation.

All appeals must supply an academic plan showing when the student will be meeting all aspects of the SAP policy. If it will take more than one semester to meet the SAP policy, the academic plan must be signed by an academic advisor. Students with an undeclared major must meet with Academic Advising, and students with a declared major should meet with the dean of their college to create this plan. Whoever the student meets with must sign off on the academic plan. Templates are available at the Financial Aid Office (http://www2.uwlax.edu/finaid). If the appeal is approved, the student is placed on Academic Plan Status for one payment period, after which, the student must be meeting SAP or be following their approved academic plan. If the student is not meeting SAP/following their approved academic plan at the next evaluation, they will be suspended again and could become ineligible to receive financial aid until they are in compliance.

**Types of credit that might affect evaluation process:**

- Credits Completed: The successful completion of a credit attempted is credit for which a grade of A, AB, B, BC, C, D, S, or P is received. The grade of "D" for a graduate student is not considered a successful completion of the credit(s) attempted.
- Attempted Credits: The grades of A, AB, B, BC, C, D, S, P, U, F, I, W, WP, WF, EP, EF, NA, and NR are considered credits attempted. Attempted credits are calculated after the 100% adjustment to tuition and fees period (typically the 10th day of classes).
- Any credit drop after the 100% adjustment to tuition and fees, without an equal number of credits being added the same date of the drop, or at a later date, will count as credit(s) attempted and credit(s) not earned. Credit drops affect the Pace and Maximum Time Frame components.
- Withdrawal from the university (all classes) as of the first day of classes will count as credit(s) attempted and credits(s) not earned. Credit drops affect the Pace and Maximum Time Frame components. The GPA component is affected if the withdrawal is in the student’s first term.
- Incompletes: Count as credit(s) attempted and credit(s) not earned until a passing grade is posted. It is the student’s responsibility to notify the Financial Aid Office of any change in grade using an Appeal for Financial Aid Reinstatement Form and attaching a copy of the student’s most recent, unofficial UW-L transcript. If the incomplete appeal results in the student being eligible for financial aid again, eligibility will be reinstated as of the date the appeal is approved. Loss of action from the student will cause the student's new Pace and GPA to not be evaluated until the end of the payment period in which the incomplete grade was converted. Incompletes affect the Pace and Maximum Time Frame component.
- Repeated Credits: Counted as attempted credits as many times as the course is repeated. Repeating credits apply to GPA, Pace, and Maximum Time Frame Components. Please note that this is different from UW-L’s course repeat policy (p. 28).
- Remedial Credits: Counted in Pace and Maximum Time Frame. Grades of "F" are calculated into GPA.

For help calculating UW-L cumulative GPA, use the Semester GPA Calculator (http://www.uwlax.edu/sah/ess/sm/html/semester.htm). Remember: only include UW-L credits in the GPA calculation.

**Other factors that might effect evaluation process:**

- Audited Courses: Not funded by financial aid and not considered under any aspect of the SAP Policy unless a student changes their course to audit after the 100% adjustment to tuition and fee period. This would affect Pace and Maximum Time Frame.
- Consortium Agreements: Credits count in the Pace and Maximum Time Frame components.
- Double Major: Students pursuing a first and second major at the same time will only be allowed 150% of the credits needed towards their first major. This could result in needing to appeal Maximum Time Frame.
- Winter Intersession: If a students attends a Winter Intersession course that positively affects their SAP Status (bringing their GPA or Pace to an acceptable range) it is the student’s responsibility to notify the Financial Aid Office of that change on an Appeal for Financial Aid Reinstatement Form.

**Additional terminology**

- Payment Period: fall semester/spring semester/summer (if attended).
- Warning Status: assigned to one payment period, to a student who fails to make SAP after any payment period.
• Suspension: assigned to a student who fails to meet SAP in the payment period after being placed on Warning Status. Student must complete appeal process to reinstate financial aid eligibility.
• Probation Status: assigned for one payment period, to a student who has appealed and has had eligibility for financial aid reinstated. Specific terms are given to students with this status. For example, student may have to complete a certain percentage of credits attempted in the next payment period.

**Appeal process**

Students with extenuating circumstances that prevented them from making SAP have the right to appeal their situation. Extenuating circumstances include, but are not limited to, student injury or illness, death of a student’s relative, or other reasons resulting in undue hardship to the student. Students must turn in the Appeal for Financial Aid Reinstatement Form, unofficial copy of their UW-L transcript, an Advisor approved academic plan, and any other related documentation. Per Federal regulations, an appeal may only be approved if the student shows that they will be able to meet SAP at the next evaluation, or the student’s academic plan ensures SAP by a specific point in time. Incomplete/inaccurate appeals or Academic Plans will not be approved. A committee of financial aid staff will act on the appeal and notify the student with the decision of the committee and the terms of their probation, if approved, via campus email. All decisions are final. There is no limit on the number of appeals allowed; however, students requesting numerous appeals may be denied. If denied, the student may attend UW-L without financial aid and re-appeal when all components of SAP are being met.

**Additional information about financial aid**

• It is the student’s responsibility to make sure the application is complete and moving through the processing system.
• Funding levels and regulations are subject to change at any time per state or federal budgetary and legislative mandates.
• Students who withdraw, either officially or unofficially, may need to repay money to federal and state financial aid programs and will be required to pay any resulting balance due to the university.
• For additional information, visit the Financial Aid Office (http://www2.uwlax.edu/finaid). For questions, call 608.785.8604 or e-mail finaid@uw lax.edu

**Scholarships, awards, and short term loans**

Many scholarships and awards have been established by alumni, faculty and staff, parents, students, businesses, and organizations. Recipients are selected by scholarship committees on the basis of an application, grade point average, and other materials as deemed appropriate by departmental committees. Scholarships are presented to students whose qualifications best fit the stipulations of the donor. Approximately one-half million dollars is awarded each year. Amounts vary annually based on funding from gifts or investment earnings available from a fund. Almost all scholarships are contingent upon full-time enrollment both fall and spring semesters at UW-L. Scholarships and awards for the academic year are usually paid in two payments, the first half in the fall semester and the other half in the spring semester.

Visit the University of Wisconsin-La Crosse Foundation, Inc. for information about the scholarships they administer (http://www.foundation.uwlax.edu/sch.html).

Scholarship applications are available to currently enrolled students or admitted incoming students on the UW-L Foundation Office website. All applications (unless otherwise indicated) must be submitted to the UW-L Foundation Office. Applications are submitted to various offices that offer scholarships based on academic majors; please refer to the scholarship website. The deadline for scholarship applications is February 15 each year. Scholarships and awards are announced at the honors reception set for the last Monday in April. For more information, call 608.785.8491.

The University also administers an interest-free, short-term emergency loan program to students in need, provided they are enrolled for a full credit load of non-repeat courses. The Financial Aid Office, 215 Graff Main Hall, has more information and application forms.

**The University of Wisconsin-La Crosse Foundation, Inc.**

The University of Wisconsin-La Crosse Foundation, Inc. (http://www.foundation.uwlax.edu), is an independent non-profit, tax-exempt Wisconsin corporation and a tax-exempt public charity under Section 501(c)(3) of the Internal Revenue Code. Created in 1967 to promote the welfare of the University of Wisconsin-La Crosse, it accomplishes this by encouraging, soliciting, receiving, managing, and administering gifts from alumni, friends, businesses, and other programs that advance the mission of the University. Gifts to the Foundation are tax deductible to the fullest extent of the law as applied to the individual circumstances of each donor.

**Veteran Benefits**

The university is fully approved for the education of veterans and veterans’ dependents under both federal and state programs. New students who qualify for benefits should report to the Veterans Benefits Coordinator in the Office of Records and Registration, 116 Graff Main Hall, before or during registration. After this initial contact, registered students should keep the Benefits Coordinator apprised of their status and needs each semester.

To receive support from veteran programs, after registering for classes each semester, a student is required to report to the Veterans Benefits Coordinator to complete a certification request form (http://www2.uwlax.edu/Veteran-Services/Certification-request). The university certifies attendance and credit load to the Veterans Administration based on the certification request.

Payments of veterans’ benefits depend on the number of credits carried. Students should carry at least 12 credits during the semester to receive full benefits under most programs. Payment will be awarded according to the schedule below. Contact the Veterans Benefits Coordinator for summer term rules.

**Table to determine % of benefits**

<table>
<thead>
<tr>
<th>Undergraduate credits</th>
<th>Enrollment/benefits status</th>
</tr>
</thead>
<tbody>
<tr>
<td>12+</td>
<td>Full-time</td>
</tr>
<tr>
<td>9-11</td>
<td>3/4 time</td>
</tr>
<tr>
<td>6-8</td>
<td>1/2 time</td>
</tr>
</tbody>
</table>

More information can be found in the Veterans Educational Benefits Office (http://www2.uwlax.edu/veteran-services) and the Office of Records and Registration (http://www2.uwlax.edu/Records/Veteran-students).

**Priority registration for veterans**

The State of Wisconsin provides priority registration for military service members who served under honorable conditions, including members currently serving, veterans, reservists, and members of the National
Guard. At UW-La Crosse, priority registration allows students to register at the front of their class, meaning that a sophomore will be able to register in front of the other sophomores. To be eligible for this benefit, the Veterans Educational Benefit Coordinator must have a DD-214 or a Notice of Basic Eligibility (NOBE) on file.
Academic policies

Academic policies define what the institution expects from the students and what students may expect from the institution in terms of academic behavior. Undergraduate academic policies are developed and approved through the university's governance system by the Committee on Academic Policies and Standards (CAPS). CAPS membership includes representation from both faculty and students.

Below is a guide to help navigate through the undergraduate academic policies.

Academic Eligibility

- Retention standards (p. 26)
- Probation (p. 27)
- Academic suspension (p. 27)
- Appeals and petitions for academic matters (p. 27)
- Committee on Academic Policies and Standards (CAPS) (p. 28)

Academic Records/FERPA

- Access to academic records (p. 28)
- Name and address changes (p. 28)
- Federal Educational Rights and Privacy Act (FERPA) (p. 28)

Course Information

- Course repeat policy (p. 28)
- Remedial courses (p. 28)
- Cross-listed courses (p. 29)
- Course numbers (p. 29)
- Course prerequisites (p. 29)
- Curriculum requirements and course descriptions (p. 29)
- Undergraduate Curriculum Committee (p. 29)
- Departments/programs/course prefixes (p. 29)

Fees

- Excess credit policy (p. 20)

Grades, Grading, and Testing

- Grading system (p. 30)
- Pass/fail policies (p. 31)
- Credit by examination and retroactive credit policy (p. 31)
- Final examination (p. 31)
- Incomplete (I) grade (p. 31)
- Change of grade (p. 32)
- Appeal of final grade (p. 32)
- Report of official grades (p. 32)
- Deans' honors lists (p. 32)

Graduation

- Undergraduate resident requirement (p. 32)
- Four-year graduation agreement (p. 32)
- Graduation fee (p. 32)
- Commencement honors (p. 32)
- Graduation honors (p. 33)

- Mailing diplomas (p. 33)

Registration and Scheduling

- Audit policy (p. 33)
- Changing assigned college or school (p. 33)
- Class attendance (p. 33)
- Class drops at the discretion of an instructor (p. 33)
- Schedule changes (p. 33)
- Senior enrollment in graduate courses (p. 34)
- Student classifications (p. 34)
- Student load (p. 34)

Student Conduct

- Student disciplinary procedures (p. 34)
- Student honor code (p. 34)

Withdrawal

- Withdrawal from classes (p. 35)
- Medical withdrawal (p. 35)
- Withdrawal from the university (p. 35)
- Military duty withdrawal from the university (p. 35)

Academic Eligibility

- Retention standards (p. 26)
- Probation (p. 27)
- Academic suspension (p. 27)
- Appeals and petitions for academic matters (p. 27)
- Committee on Academic Policies and Standards (CAPS) (p. 28)

The academic status of a student is determined by semester grade point average (GPA), cumulative GPA, the number of credits attempted, and previous or current academic status.

Definitions of academic status as reported on students' records:

- Good Standing — met minimum grade point average required
- Probation I — failed to meet minimum grade point average required at any time within 1-44 credits attempted
- Probation II — failed to meet minimum grade point average required after being previously placed on probation OR failed to meet minimum grade point average required after attempting 45 or more credits
- Ineligible to Return — Not eligible to continue at the university

Retention standards

1. To remain in good standing, students' cumulative GPAs must be 1.60 if they have attempted between 1 and 18 credits; 1.80 if they have attempted between 19 and 44 credits and 2.00 or above if they have attempted 45 or more credits.
2. To assist students in their orientation to university level work, the minimum acceptable standards for retention are defined as follows:
   a. Students placed on probation after attempting 1-29 credits shall be given two probationary semesters to attain good standing. Students failing to meet this standard will be declared ineligible to return.
   b. Students placed on probation after attempting 30 or more credits shall be given one probationary semester to attain
good standing. Students failing to meet this standard will be declared ineligible to return.

c. Continuing students who do not remain in good standing after the completion of any two probationary semesters shall be declared ineligible to return.

3. Transfer students are required to meet the retention standards prescribed in this section. These standards are based on the total number of transferable credits attempted at all colleges and universities.

4. No academic action is taken as a result of winter intersession or summer term attendance nor is the previous semester’s academic action impacted by winter intersession or summer term attendance.

5. Deficiencies in grade point averages and failing grades in courses taken at UW-L may be improved only by taking work in residence at the university.

<table>
<thead>
<tr>
<th>cumulative credits attempted</th>
<th>good standing if</th>
<th>probation I or II if cumulative GPA less than</th>
<th>ineligible if</th>
<th>semester GPA less than</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-18</td>
<td>1.60</td>
<td>1.60</td>
<td>1.00</td>
<td></td>
</tr>
<tr>
<td>19-29</td>
<td>1.80</td>
<td>1.80</td>
<td>1.25</td>
<td></td>
</tr>
<tr>
<td>30-44</td>
<td>1.80</td>
<td>1.80</td>
<td>1.50</td>
<td></td>
</tr>
<tr>
<td>45 and beyond</td>
<td>2.00</td>
<td>2.00</td>
<td>1.50</td>
<td></td>
</tr>
</tbody>
</table>

**Probation**

1. Students are placed on academic probation if their academic records do not meet the standard set by the university. Notice of probationary status indicates that improvement is necessary in order for students to attain the minimum cumulative grade point average of 2.00 required by the time they have attempted 45 credits or more.

2. Students will be removed from probation at the end of any term in which they attain the required cumulative GPA.

3. Policies regarding students entering on probation are:
   a. First years will be removed from probation if they attain a grade point average of 1.60 or more attempting 1-18 credits. Thereafter, probation/retention status is determined on the same basis as for first years not entering on probation. First years who enter on probation and continue on probation are ineligible to continue beyond a second semester if their cumulative GPA is below 1.80 after attempting 44 credits.
   b. Transfer students admitted on probation are allowed a maximum of two semesters in attendance to attain a grade point average that is equal to or exceeds the prescribed GPA. If they fail to do so, they are notified that they are ineligible to continue. Probationary status is removed if the cumulative GPA equals or exceeds the required standards.

**Academic suspension**

1. When the given period of academic probation has been allowed and/or satisfactory progress has not been made in meeting the required academic standard of the university, students are declared ineligible to return. The required standards are:
   a. Students attempting between 1 and 18 credits will be declared ineligible if they earn a semester GPA below 1.00.
   b. Students attempting between 18 and 29 credits will be declared ineligible if they earn a semester GPA below 1.25 or are on probation for the second time and earn a cumulative GPA below 1.80.
   c. Students attempting between 30 and 44 credits will be declared ineligible if they earn a semester GPA below 1.50 or are on probation for the second time and earn a cumulative GPA below 1.80.
   d. Students attempting 45 or more credits will be declared ineligible if they earn a semester GPA below 1.50 or are on probation for the first or second time and earn a cumulative GPA below 2.00.

2. Students who have been declared ineligible to return will not be eligible for readmission to the university for at least one academic year. After one year, ineligible students may apply to the dean of the appropriate college or school for readmission. Students who have been declared ineligible to return, and then readmitted at a later date, shall be given one semester of probation to attain good standing or become ineligible to return.

3. Students who have been declared academically ineligible to continue at the university may request a hearing from the Committee on Academic Policies and Standards (CAPS) if it can be demonstrated that their academic suspension was due to factors beyond their control and that the causes have been removed. The written request should be directed to the committee in care of the dean of the college or school in which the student is enrolled.

4. The university does not permit students who have been suspended for academic reasons at any other campus to enroll until they are eligible for re-admission at their former campus.

5. It is assumed that students declared ineligible to continue at UW-L will not be admitted to other accredited colleges or universities during their period of ineligibility. Should they be admitted, and should they earn credits at another institution, UW-L reserves the right to disallow credit for courses taken elsewhere.

**Appeals and petitions for academic matters**

1. **Academic status:** Students who have been declared academically ineligible to continue at the university may request a hearing from the Committee on Academic Policies and Standards (CAPS) if it can be demonstrated that their academic suspension was due to factors beyond their control and that the causes have been removed. The written request should be directed to the committee in care of the dean of the college or school in which the student is enrolled. See above academic eligibility policies for more information.

2. **Substitution for course or graduation requirement:** Submit petition to the dean of the school or college in which enrolled. No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.

3. **Time extension for make-up of an incomplete:** Students should contact their instructor who, if approving the extension, will then contact the Office of Records and Registration on the student’s behalf. See the incomplete (I) grade (p. 31) section in “Grades, Grading, and Testing” for more information on incompletes.

4. **Change of grade:** See the change of grade (p. 32) section in “Grades, Grading, and Testing.”

5. **Appeal of grade received:** See the appeal of final grade (p. 32) section in “Grades, Grading, and Testing.”

6. **Time extension for program requirements:** Submit petition to the dean of the school or college in which enrolled.

7. **Appeal for exception to current academic policy:** Submit petition to the dean of the college or school in which enrolled for action by CAPS.
8. Any appeal not covered above, but related to the academic activities of a department, should be made directly to the department chair who will apprise petitioning students of correct appeal procedures.

Committee on Academic Policies and Standards (CAPS)

CAPS is the faculty committee for formulating and reviewing local policies and standards for admissions and academic activity; ensuring equitable application of the standards by the colleges and schools; and developing procedures for hearing student appeals and petitions on academic matters. Membership of the committee consists of nine faculty and three students. The Director of Admissions and the Registrar serve as administrative consultants. The Chancellor selects an additional administrative consultant.

Academic Records/FERPA

Access to academic records

Academic records are confidential between the student and the university. Students may request transcripts of their permanent academic records at any time, provided they are not financially encumbered to the university. Transcripts may be requested in person, online (https://www.studentclearinghouse.org/secure_area/Transcript/to_bridge.asp?180914&LoginHome=to_home.asp), or by writing (http://www2.uwlax.edu/uploadedFiles/Offices-Services/Records-registration/Transcript%20Request%20FormUWL.PDF) to the Office of Records and Registration. There is a fee for official transcripts. Transcripts will not be released without the student’s authorizing signature. Under no circumstances will partial transcripts be issued.

Name and address changes

It is the student’s responsibility to keep appropriate offices advised of changes. Campus (local) or permanent home (legal) addresses may be changed through the WINGS Student Center. Official name changes must be done in the Office of Records and Registration, 117 Graff Main Hall, with proper identification.

Family Educational Rights and Privacy Act (FERPA)

Notice of rights of access to student records and directory information definition under the U.S. Family Educational Rights and Privacy Act of 1974, as amended.

UW-L informs students of the Family Educational Rights and Privacy Act of 1974 as amended (FERPA), in all catalogs and online semester Timetables. This Act, with which the university intends to comply fully, was designed to protect the privacy of education records, to establish the right of students to inspect and review their education records, and to provide guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students have the right to file complaints with the FERPA Compliance Office concerning alleged failures by the university to comply with the Act.

The university follows the national guidelines for compliance with the provisions of the Act. The university posts the procedures (http://www2.uwlax.edu/Records/FERPA) online. The Office of Records and Registration maintains a directory of records, which lists all education records maintained on students by this institution.

The following categories of student information are public or “directory information.” Such information may be disclosed by the institution for any purpose, at its discretion.

- Names, addresses, UW-L email address, telephone numbers, attendance (full-time/part-time, classification) and school and/or college status.
- Previous institution(s) attended, past and present participation in officially recognized sports and activities, physical factors (height, weight, etc. for athletes).
- Major/minor fields of study, awards, honors (includes Dean’s List), expected graduation date, degree(s) conferred, date(s) awarded.

Currently enrolled students may withhold disclosure of information under FERPA. To withhold disclosure, students may log into their WINGS student center personal settings prior to the end of the second week of each semester or the end of the first week of a summer term. The university assumes that failure on the part of any student to make a specific request for the withholding of directory information, within the time period mentioned above, indicates individual approval for disclosure. For more information, visit the Office of Records and Registration (http://www2.uwlax.edu/Records/FERPA).

Course Information

- Course repeat policy (p. 28)
- Remedial courses (p. 28)
- Cross-listed course (p. 29)
- Course numbers (p. 29)
- Course prerequisites (p. 29)
- Curriculum requirements and course descriptions (p. 29)
- Undergraduate Curriculum Committee (p. 29)
- Department/program/course prefixes (p. 29)

Course repeat policy

When an undergraduate course in which a student has previously earned a “D” or “F” is repeated, the grade earned in repetition will supersede the previously recorded grade. The original grades earned are never deleted from the permanent academic record when a course is repeated; however, such grades are dropped from the calculation of cumulative grade point average. It is thereby possible to improve a grade point average. Courses for which grades of “C” or better have been recorded may not be repeated.

In compliance with established university policy, failing grades and deficiencies in grade point averages may be removed only by taking work in residence at the University of Wisconsin-La Crosse. Courses may not be repeated at another institution and transferred to this university.

If a student withdraws from a course taken as a “repeat,” the original grade earned will remain in the overall grade point average calculation.

Departments may designate courses such that class rank should not be considered with respect to registering to repeat a course.

Remedial courses

The UW System remedial education policy was approved by the Board of Regents in November 1988. Remediation data supports the notion
that a high percentage of students needing remediation in the skills area (English/math) continue to be successful college students.

Placement and registration in English and math courses is determined by using the scores earned on the Wisconsin Regional Placement Exams and the American College Test (ACT). Students not demonstrating adequate competency in English and/or math will be required to enroll in a remedial course(s). ENG 050 Fundamentals of Composition, MTH 050 Basic Algebra, and MTH 051 Topics in Intermediate Algebra are courses designed for students whose test scores indicate a low probability for success in college-level courses. These credits do not count toward graduation. Any student may enroll in ENG 050 or MTH 050. Students who are required to take ENG 050 or MTH 050 must complete the requirement(s) prior to earning 30 degree credits or they will not be allowed to register in higher level English or math courses until they have successfully completed the remedial course(s). Students who place into MTH 051 may be required to enroll in this course for some majors; for other majors it is recommended. ENG 050 is graded pass/fail; MTH 050 and MTH 051 are letter-graded ("F" counts as credits attempted and is averaged into GPA; other grades do not).

Cross-listed course

A course offered by more than one department that has the same course description, credits, and title but different prefixes (e.g., ECO/THA 376; MTH/PHY 461) is a cross-listed course. Students may only earn credit once for taking a cross-listed course.

Course numbers

Courses with numbers in the 100/200 series are primarily for first years and sophomores; those in the 300/400 series, which normally carry a prerequisite, are primarily for juniors and seniors. Almost all courses in the 500 series and some in the 600 series are "slash" courses; they are graduate courses with a companion number in the 300/400 series and are open to upper level undergraduates who have earned at least 60 credits. All courses with numbers in the 700/800 series and some in the 600 series are for graduate students only.

Undergraduate students must earn at least 40 credits in the 300/400 numbered courses. See university degree requirements (p. 54) for more information.

Note: Courses listed in this catalog are subject to change through normal academic procedures. New programs and courses, and changes in existing course work are initiated by departments or programs and approved by the appropriate academic dean, the curriculum committees and the faculty senate. Additions to the curriculum for the ensuing years are published in the official curriculum committee minutes (http://www.uwlax.edu/facultysenate/committees/UCC.html) by Faculty Senate and are on file with the Office of Records and Registration.

Course prerequisites

Course prerequisites, listed in the course description, indicate the academic preparation required for successful completion of the course. Occasionally students may have sufficient knowledge to enter courses without the formal prerequisites. In these circumstances, students may ask instructors for consent to enroll; all instructors retain the right to admit any student to their classes, subject to departmental policy. Students who do not meet the stated prerequisite(s) or the required class standing must obtain permission to enroll in a class. Students will not receive credit for courses for which they do not have the appropriate class standing, specified prerequisites, or permission to override the requirements.

Curriculum requirements and course descriptions

A statement of major and minor course requirements for various curricula precedes the list of courses offered in each department and/or program, with a few exceptions. Information about curriculum requirements also is included in the appropriate school or college section of the catalog. In addition to major and minor course requirements, students also must meet general education requirements (p. 50), college, and university degree requirements (p. 54).

Many course descriptions list the semester/year during which a course is normally offered. This serves as a guide; however, actual offerings may vary depending on staffing levels and enrollment demands.

Undergraduate Curriculum Committee

The Undergraduate Curriculum Committee (UCC) is the curriculum review faculty body for all academic programs at the baccalaureate level. Membership of this committee consists of nine faculty, with proportional representation by college, and three students. The Provost, Registrar, a library representative, and the dean of each college serve as administrative consultants.

Department/program/course prefixes

The following is a list of course prefixes used by departments and programs at UW-L. Each prefix is linked to courses carrying that prefix.

- ACC: Accountancy
- ANT: Anthropology
- ARC: Archaeology
- ART: Art
- AST: Astronomy
- BIO: Biology
- BUS: Business Administration
- CEI: Cooperative Education and Internships
- CHE: Community Health Education
- CHI: Chinese
- CHM: Chemistry
- CI: Curriculum and Instruction
- CLI: Clinical Laboratory Science
- CMP: Computational Science
- CS: Computer Science
- CT: Computational Thinking
- CST: Communication Studies
- CYC: Child Youth Care
- DOS: Medical Dosimetry
- ECE: Early Childhood Education
- ECO: Economics
- EDM: Educational Media
- EDS: Education Studies
- EDU: Education
- EFN: Educational Foundations
- ENG: English
- ENV: Environmental Studies
- ERS: Ethnic and Racial Studies
- ESC: Earth Science
- ESL: English as a Second Language
- ESS: Exercise and Sport Science
Grades, Grading, and Testing

- Grading system (p. 30)
- Pass/fail policies (p. 31)

Grading system

Scholastic standing is determined by the grade point system. Grade points are used to determine an official scholastic average for each student. A semester grade point average is calculated by dividing the grade points earned by the number of credits attempted that semester. The cumulative average is the total number of grade points earned divided by the total number of credits attempted.

Undergraduates must maintain an average of 2.00 as the minimum standard for satisfactory work after attempting 45 credits. See the retention standards (p. 26) policy for more information about academic eligibility.

Note: UW-L grade point averages are determined only by grades in UW-L courses. Probationary status and grade point deficiencies of students already matriculated at UW-L may not be improved by enrolling in courses at other institutions.

Grading scale

Effective January 1994, the university adopted a seven-step grading scale with point values assigned as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points/Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.00</td>
</tr>
<tr>
<td>AB</td>
<td>3.50</td>
</tr>
<tr>
<td>B</td>
<td>3.00</td>
</tr>
<tr>
<td>BC</td>
<td>2.50</td>
</tr>
<tr>
<td>C</td>
<td>2.00</td>
</tr>
<tr>
<td>D</td>
<td>1.00</td>
</tr>
<tr>
<td>F</td>
<td>0.00 (counted as credits attempted)</td>
</tr>
</tbody>
</table>

Additional university grades and grade points used but not part of the scale adopted in 1994:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>incomplete</td>
<td>0 (not counted as credits attempted)</td>
</tr>
<tr>
<td>IP</td>
<td>in progress</td>
<td>0 (not counted as credits attempted)</td>
</tr>
<tr>
<td>W, WP</td>
<td>withdraw passing</td>
<td>0 (not counted as credits attempted)</td>
</tr>
<tr>
<td>WF</td>
<td>withdraw failing</td>
<td>0 (counted as credits attempted, averaged into GPA)</td>
</tr>
<tr>
<td>EP</td>
<td>emergency withdrawal / passing</td>
<td>0 (not counted as credits attempted)</td>
</tr>
<tr>
<td>EF</td>
<td>emergency withdrawal / failing</td>
<td>0 (not counted as credits attempted)</td>
</tr>
<tr>
<td>AS</td>
<td>audit satisfactory</td>
<td>0 (not counted as credits attempted)</td>
</tr>
<tr>
<td>AU</td>
<td>audit unsatisfactory</td>
<td>0 (not counted as credits attempted)</td>
</tr>
<tr>
<td>S</td>
<td>satisfactory</td>
<td>0 (counted as credits attempted)</td>
</tr>
</tbody>
</table>
and retroactive credit

University policy on credit by examination

newly admitted students should contact the Admissions Office and continuing students should contact the college or school in which they are enrolled.

For details on the ways to earn credit by examination and/or retroactive credit (http://www2.uwlax.edu/Admissions/AP/IB/CLEP-credit/#anchorIB), newly admitted students should contact the Admissions Office and continuing students should contact the college or school in which they are enrolled.

University policy on credit by examination and retroactive credit

1. All credits earned by examination or through retroactive credit will have full academic value, i.e., they will count toward the total required for graduation and, if applicable, fulfill prerequisite requirements for advanced courses, general education requirements, college core requirements and/or major/minor requirements.
2. Credit will be entered but no grade will be recorded on the permanent academic record.
3. Credits earned in this manner will not be counted in determining the grade point average.
4. Credits earned by examination will not be counted as part of a student’s course load.
5. Restrictions:
   a. No student will be permitted to attempt to receive credit by examination for a particular course more than once.
   b. A student may earn credits by examination only after admission to and enrollment at UW-L. A student will be regarded as “regularly admitted and enrolled” after attending on a full-time or part-time basis and paying the appropriate fees in a regular semester or summer term.
   c. No one who has received a final grade in a course or an “incomplete” may earn credit by examination for the same course.
   d. A student may not receive credit by examination or retroactive credit for a course they are auditing or have audited at UW-L.
   e. No student who has withdrawn from a UW-L course after the first four weeks may earn credit for the course by examination.

Pass/fail policies

1. Credits taken on a P/F basis will not be averaged into a grade point average if “P” is filed by the instructor. The credits will count as credits earned. An “F” will be averaged in and will be counted as credits attempted.
2. Specific courses are approved for pass/fail grading. Students do not have the option to request to take a graded course on a P/F basis.
3. A maximum of 21 credits of P/F course work can be used toward an undergraduate degree.
4. Students should realize that P/F graded courses might not be accepted in transfer to other institutions of higher learning. Professional schools are especially reluctant to accept P/F graded course work.

Some employers, principals, and/or superintendents may be unable to acknowledge credits or reward employees, especially graduate students working on advanced degrees, when course work has been taken under the P/F grading system.

Credit by exam and retroactive credit

Final examinations

A final examination will be given in each course within a special examination period except for one-credit courses, which will have exams scheduled at the last regular meeting of the class. The examination periods, dates, and times are found in the Office of Records and Registration’s Final Exam Schedule (http://www2.uwlax.edu/Records/Final-Exam-Schedule). Final exams for online courses will be administered by the published end date of the course. The relative importance assigned to the final examination is determined by the instructor in charge of each course.

Study Day: No final examination shall be given to any student on Study Day. Study Day is a day to prepare for the final examination period. No student activities of any sort with the exception of optional review sessions for final examinations shall be scheduled on Study Day. This includes make-up classes or tests, committee meetings involving students, and athletic practices or events.

Incomplete (I) grade

An incomplete (I) is a temporary grading symbol (not a final course grade) which may be reported for a student who has carried a subject through the last date that one may withdraw from a course and then, because of illness or other unusual and substantiated cause beyond the student’s control, has been unable to take or complete the final examination or to complete some limited amount of course work.

In no case may an incomplete be recorded by an instructor for a student who, through personal fault, has failed either to complete the requirements of the course on time or failed to report for the final examination as scheduled.

Before an incomplete is reported, there should be, in the judgment of the instructor, a reasonable probability that the student can complete the course successfully without attending class sessions again.

An incomplete (I) will be removed when the student submits all work due. An incomplete must be removed and a final grade recorded in the Office of Records and Registration no later than one calendar year (12 months)
following the term in which the Incomplete was incurred, whether or not the student is enrolled.

In order to remove an incomplete, the student must make arrangements with the instructor for the satisfactory completion of the work remaining to be done in the course. This work was indicated on the "Incomplete Grade Record" that was submitted by the student and the instructor when the "I" was originally requested.

When the work has been completed the instructor submits a final grade, which must also be approved by the department chair and the student’s dean. If the deadline for completion is not met, a grade of "F" will be recorded automatically at the time stated above. If the instructor indicated a grade other than "F" on the information sheet that was filed, that grade will be used instead of "F."

Note: A student should never register again for any course to remove a previously recorded incomplete unless the "I" grade has been converted to "F." This conversion of the "I" must be done prior to re-enrollment. The grade earned in repetition will supersede the "F" recorded, according to the established policy for course repetition.

Change of grade

An instructor may request to change a final grade for an undergraduate course three semesters immediately following the close of the semester in which the grade is first recorded, excluding summer. The instructor and department chair authorize the change by signing a "Change of Grade" form and forwarding it to the appropriate dean for signature. The dean will then file it with the Office of Records and Registration.

A change of grade after three semesters may be made only upon approval of the faculty Committee on Academic Policies and Standards (CAPS). Requests must be made in writing and must be supported in writing by the instructor and the department chair. These papers are forwarded to the student’s academic dean for presentation to the faculty committee.

Appeal of final grade

All departments have established policies and procedures that enable students to appeal final grades. These policies and procedures outline the progression of a formal appeal and specify who, if anyone, is empowered to change a final grade. All appeals for a final grade change must be initiated in writing through the department in question during the semester immediately following the semester in which the grade was earned. A copy of each department’s policies and procedures are filed in the office of the appropriate dean.

Report of official grade

Official grades are submitted at the end of each term and are available to students through the WINGS Student Center. Academic action is taken at the end of each semester. Grades are not mailed; they are available electronically via the WINGS Student Center.

Students with unsatisfactory grades are expected to seek counseling and help with their studies. Available resources include the instructor(s), advisor, and department tutors. Student services staff, particularly Counseling and Testing Center personnel, will provide assistance on a confidential basis. First years, especially, are encouraged to seek help at the earliest sign of academic difficulty. The university assumes that students will communicate regularly with interested parties (e.g. parents) with respect to academic status and progress.

Deans’ Lists

To be eligible for inclusion on any honors list compiled and published by a dean’s office at the end of each semester, students must have earned not less than a 3.50 semester grade point average and have carried a minimum of 12 semester credits.

Graduation

- Undergraduate residence requirement (p. 32)
- Four-year graduation agreement (p. 32)
- Graduation fee (p. 32)
- Commencement honors (p. 32)
- Graduation honors (p. 33)
- Mailing diplomas (p. 33)

Undergraduate residence requirement

A minimum of 30 semester credits in residence at UW-L is required for graduation. The last 24 credits to be applied toward a degree must be earned as resident credits. The appropriate academic dean may give permission for seniors to earn more than the last ten credits at another institution. A request to earn more than the last ten credits at another institution must be submitted to and approved by the faculty through an appeal by petition to the Committee on Academic Policies and Standards (CAPS).

1 Resident credit means credit registered for and earned through UW-L.

Four-year graduation agreement

Entering first years are offered the opportunity to participate in an agreement that ensures graduation within four years of initial enrollment. If a student satisfies all of the conditions of the agreement, but degree completion is delayed because the university did not fulfill its requirements of the agreement, then UW-L relieves the student of tuition for the required course(s) remaining after the four-year time period. Not all UW-L academic programs are included as part of this formal agreement. More information about the conditions of the four-year agreement is available from the dean’s office in each college. The agreement must be signed within the first seven weeks of the student’s initial enrollment when a student meet with a four-year agreement adviser.

Graduation fee

Upon completion of 95 semester credits toward the bachelors degree, a student is billed a graduation fee. This is a one-time fee assessed regardless of whether or not the student chooses to attend the commencement ceremony. Students earning a second degree are also assessed the graduation fee.

Commencement honors

Commencement honors determine which students may wear an honor cord, also known as a fourragère, during commencement exercises. Commencement honors are noted beside students’ names in commencement programs.

Calculations for commencement honors and highest honors are based on grade point averages earned at the end of the last term in residence prior to the term of graduation. To be eligible, a student must have earned no fewer than 45 semester credits in residence at UW-L prior to the beginning date of the term in which the student intends to graduate. A
student must have a cumulative grade point average of 3.50 to wear the honor cord or at least 3.75 to wear the cord designating highest honors. Only resident credits are used in the GPA calculation. Commencement honors are calculated for baccalaureate and associate degree candidates only.

Graduation honors
Graduation honors are posted on permanent academic records if students have earned no fewer than 60 semester credits in residence at UW-L. A student must have a cumulative grade point average of 3.50 for graduation with honors or at least 3.75 for graduation with highest honors at the end of the student’s last term in residence. Only resident credits are used in the GPA calculation. Graduation honors are calculated for baccalaureate and associate degree candidates only.

Mailing diplomas
Diplomas are mailed approximately six weeks after the ending date of the semester of graduation, to the current legal (home) address on the university computer system unless the Office of Records and Registration has been notified differently. All indebtedness to the university must be cleared before a diploma will be released.

Registration and Schedules
- Audit policy (p. 33)
- Changing assigned college or school (p. 33)
- Class attendance (p. 33)
- Class drops at the discretion of an instructor (p. 33)
- Schedule changes (p. 33)
- Student classifications (p. 34)
- Student load (p. 34)
- Undergraduate enrollment in graduate courses (p. 34)

Audit policy
Undergraduate students may audit courses under the following arrangements:

1. Students must receive consent of the department chair and the instructor offering the course.
2. No change from audit to credit will be permitted after the first week of classes. No change from credit to audit will be permitted after the first half of a semester or summer session. Shorter courses have prorated deadlines.
3. No credit will be granted for any course that is audited. “Audit” will appear on the student’s permanent academic record. The “AS/AU” grading system is used for auditors. The grade will not affect a student’s GPA.
4. An audited course may be repeated for credit in another semester or term.
5. Appropriate tuition and fees are to be paid for the course.
6. Courses being audited are not usable to establish full-time or part-time status for any type of eligibility, such as for athletic participation, student grants/loans, or loan deferment.
7. Courses being audited may not be taken in excess of student load limits for credit generating courses without special “overload” permission from the student’s academic dean.
8. A course previously completed for credit may be audited in another term.

Changing assigned college or school
Undergraduate students, upon enrollment, are assigned immediately to one of the schools or colleges within the university for advisement, registration, and record-keeping purposes. They may transfer by meeting prescribed admission, curriculum, or other requirements of the new school or college of their choice. Intra-university transfers are initiated at the dean’s office of the college or school to which one wishes to transfer. Students wishing to transfer from one college or school to another must be in good academic standing at the time of the transfer. Students wishing to transfer who are not in good academic standing should consult with the dean’s office of the college or school to which they wish to transfer.

Admission and other requirements vary among the schools and colleges and their programs. Frequently, additional credits and time are needed to complete graduation requirements after a change of college or school. Students who decide to make such changes are responsible for familiarizing themselves with requirements.

Class attendance
Students are responsible to their respective instructors for all absences. If a student is absent an extended period of time (over one week), due to illness, family emergency, etc., the student should contact Student Life, 149 Graff Main Hall. That office will inform the instructors involved of the absence. This serves as notification only, not necessarily a formal excuse. It is the student’s responsibility to contact each instructor for make-up work, etc. There is no “cut” system. University regulations prohibit excusing students and the dismissal of classes immediately preceding or immediately following scheduled vacation or recess periods except in cases of commonly recognized and extreme emergencies.

Class drops at the discretion of an instructor
A student enrolled in any course is expected to be in attendance from the first day or to have notified the instructor or Student Life that attendance is not possible. A student registered in a section who fails to attend the first two class sessions or provide proper notification may be dropped from the course at the discretion of the instructor.

An instructor who wishes to drop a student from a course during the first five days of instruction should complete a drop/add form and submit it to the Office of Records and Registration during the “drop/add/change of schedule” period. A decision by an instructor to drop a student from a class may not be appealed to any other individual or body in the university. A student should not assume that an instructor will use the discretionary drop if the student does not attend class. It is a student’s responsibility to withdraw from a class.

Schedule changes
The period of time between a student’s initial registration for any term through the first five days of instruction in any semester (three days during a summer session) are considered to be the “drop/add/change of schedule” period. During this time, a student may drop classes without affecting the permanent academic record. A student may also add classes or change sections if the desired section is not closed. Neither the advisor’s signature nor the instructor’s signature is required for schedule changes during this period. The signatures of the department chair and the instructor will be required only if the student seeks to enter a class that is closed. Between the fifth and tenth days of instruction, to add a course, the student must obtain the instructor’s signature. After the tenth day of instruction, classes cannot be added except in unusual
Student classifications

<table>
<thead>
<tr>
<th>First Year</th>
<th>0-29 semester credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sophomore</td>
<td>30-59 credits</td>
</tr>
<tr>
<td>Junior</td>
<td>60-89 credits</td>
</tr>
<tr>
<td>Senior</td>
<td>90 credits or more</td>
</tr>
</tbody>
</table>

Other:

- Graduate student
- special non-degree student
- student seeking certificate
- second degree student

In addition to the above classifications, undergraduate students often are classified by the college in which they are enrolled:

- College of Business Administration
- College of Liberal Studies
- School of Arts and Communication
- School of Education
- College of Science and Health

Student load

The standard undergraduate load is 15 credits per semester. Credit loads of 19 or more constitute an “overload” and may be carried only if an application is made in writing and approved by the dean of the school or college in which the applicant is enrolled. Overloads are not approved for first semester first years or for any student with a cumulative grade point average less than a 3.25.

The standard undergraduate load during a 12-week summer term is 12 semester credits. This is the maximum number of credits that can be earned during the summer term. For winter intersession, a student may earn, as a maximum, the number of credits corresponding to the number of weeks in any interim session (i.e., three weeks: three credits).

To be considered full-time, undergraduate students must carry a minimum of 12 semester credits during the semester and six credits during summer term. Half-time is based on six credits for a semester and three credits for summer term. Credits carried on an audit basis do not count as a part of a load to establish full-time or half-time status for any type of eligibility - sports, loans, etc. To qualify for federal student financial aid in the summer, students need to carry 12 credits to be full-time and six credits to be part-time.

UW-Extension Independent Learning courses taken during a regular term are considered part of an individual’s load for one term only. These courses, if properly approved, may count toward the undergraduate degree but are not averaged into the cumulative grade point average.

Undergraduate enrollment in graduate courses

Undergraduate students with senior status (at least 90 credits) who have at least a 3.00 cumulative grade point average, may enroll in a maximum of six graduate credits. These graduate level credits may not be used to satisfy requirements for a bachelor’s degree. Exceptions to these requirements must be approved by the Graduate Council. Maximum student credit load for dual enrollment (graduate/undergraduate) is 15 credit hours for a semester and eight credit hours for a summer term (standard university overload approval process applies.) Undergraduate students are not allowed to enroll in graduate MBA courses.

Students must submit written permission from the course instructor and their advisor along with a graduate special non-degree application, to the admissions office prior to registering for a graduate course. Undergraduate tuition and fees are charged. Students are expected to purchase texts for graduate courses.

Student Conduct

- Student disciplinary procedures (p. 34)
- Student honor code (p. 34)

Student disciplinary procedures

In 1989, the Board of Regents adopted an administrative code Chapter UWS 14, which covers academic misconduct. Its principles state, “The Board of Regents, administrators, faculty, academic staff, and students of the University of Wisconsin system believe that academic honesty and integrity are fundamental to the mission of higher education and of the University of Wisconsin System. The University has a responsibility to promote academic honesty and integrity and to develop procedures to deal effectively with instances of academic dishonesty. Students are responsible for the honest completion and representation of their work, for the appropriate citation of sources, and for respect of others’ academic endeavors. Students who violate these standards must be confronted and must accept the consequences of their actions.”

The Board also revised Chapter UWS 17, which covers non-academic misconduct. In it, they state, “The Board of Regents, administration, faculty, academic staff, and students of the University of Wisconsin System believe that the teaching, learning, research, and service activities of the university can flourish only in an environment that is safe from violence and free of harassment, fraud, theft, disruption, and intimidation. The University has a responsibility to identify basic standards of non-academic conduct necessary to protect the community, and to develop procedures to deal effectively with instances of misconduct while observing the procedural and substantive rights of students. Any person who violates state or federal laws on university property may face prosecution in the appropriate courts. In addition, students, faculty, or staff who violate university standards are subject to university disciplinary action.”

The procedures in both Chapters 14 and 17 describe the actions that the university may take in response to student misconduct; they define the conduct that is prohibited; and they outline the procedures that are to be used to resolve allegations of misconduct. The UW-L student disciplinary procedures are identical to those in UWS 14 and UWS 17. These documents can be found in the UW-L Eagle Eye (http://www.uwlax.edu/studentlife/eagle_eye.htm), also available in the Office of Student Life. It also includes UWS Chapter 18, “Conduct on University Lands,” which describes prohibited behavior and parking regulations.

Student honor code

We, the students of UW-La Crosse, believe that academic honesty and integrity are fundamental to the mission of higher education. We, as students, are responsible for the honest completion and representation of our work and respect for others’ academic endeavors. We, as students and responsible citizens of the city of La Crosse, will aim to uphold the integrity of the University throughout the La Crosse community. It is our individual responsibility as students to uphold these ethical standards and to respect the character of the individuals and the university.
Withdrawal from classes
Any student may withdraw from a class until one week beyond mid-term of a semester or a summer session. All withdrawals from classes after the "drop/add - change-of-schedule" period are recorded with a "W" on the student’s permanent academic record along with the official date of withdrawal. Half-term courses or short-term courses have withdrawal time limits established on a basis prorated to withdrawal dates for a full-term course. A student must obtain either advisor’s or instructor’s signature during this time period. No student is permitted to withdraw from a class later than one week beyond mid-term of a semester or summer term. Only a grade of "F" or "I" may be recorded for any student who enters this time period and fails to complete a course. See the withdrawal from the university (p. 35) policy for exceptions.

Failure to follow the prescribed procedures and to observe the prescribed time limits for withdrawal from classes will result in the recording of failing grades in discontinued courses.

Note: If a student withdraws from or fails to complete a course taken as a "repeat," the original grade earned will remain in the overall grade point average calculation.

Medical withdrawal
Emergency medical withdrawal may be initiated by a student or authorized agent at any time. Either a complete withdrawal from all courses at the university or a partial withdrawal from some courses may be requested. The withdrawal request must be supported by a letter from a healthcare provider which describes the limitations on the student’s continued participation in courses. The nature of the limitations may necessitate withdrawal from some courses but allow continued participation in other courses. The limitations will form a consistent standard for withdrawal that can be applied to all courses in which the student is currently enrolled. The Student Health Center will verify the authenticity of the support letter and will notify Student Life. Student Life will consult the appropriate academic dean and instructors. If the withdrawal is granted, Student Life will notify the Records and Registration Office and the Cashier’s Office. When the withdrawal is completed, the Records and Registration Office will notify instructors if a grade is required.

For courses in which the student has withdrawn, the permanent record will show no credits were earned. However, the status of the student’s grades at the time of the withdrawal will be posted. The record will show one of the following grades submitted by the instructor: "EP" (emergency withdrawal passing) or "EF" (emergency withdrawal failing). Such grades will not be included in the computation of the term or cumulative grade point average.

Any exception to the policies of the emergency medical withdrawal must be appealed to the university’s Committee on Academic Policies and Standards (p. 28) (CAPS).

Withdrawal from classes
Any student may withdraw from a class until one week beyond mid-term of a semester or a summer session. All withdrawals from classes after the "drop/add - change-of-schedule" period are recorded with a "W" on the student’s permanent academic record along with the official date of withdrawal. Half-term courses or short-term courses have withdrawal time limits established on a basis prorated to withdrawal dates for a full-term course. A student must obtain either advisor’s or instructor’s signature during this time period. No student is permitted to withdraw from a class later than one week beyond mid-term of a semester or summer term. Only a grade of "F" or "I" may be recorded for any student who enters this time period and fails to complete a course. See the withdrawal from the university (p. 35) policy for exceptions.

Failure to follow the prescribed procedures and to observe the prescribed time limits for withdrawal from classes will result in the recording of failing grades in discontinued courses.

Note: If a student withdraws from or fails to complete a course taken as a “repeat,” the original grade earned will remain in the overall grade point average calculation.

Medical withdrawal
Emergency medical withdrawal may be initiated by a student or authorized agent at any time. Either a complete withdrawal from all courses at the university or a partial withdrawal from some courses may be requested. The withdrawal request must be supported by a letter from a healthcare provider which describes the limitations on the student’s continued participation in courses. The nature of the limitations may necessitate withdrawal from some courses but allow continued participation in other courses. The limitations will form a consistent standard for withdrawal that can be applied to all courses in which the student is currently enrolled. The Student Health Center will verify the authenticity of the support letter and will notify Student Life. Student Life will consult the appropriate academic dean and instructors. If the withdrawal is granted, Student Life will notify the Records and Registration Office and the Cashier’s Office. When the withdrawal is completed, the Records and Registration Office will notify instructors if a grade is required.

For courses in which the student has withdrawn, the permanent record will show no credits were earned. However, the status of the student’s grades at the time of the withdrawal will be posted. The record will show one of the following grades submitted by the instructor: "EP" (emergency withdrawal passing) or "EF" (emergency withdrawal failing). Such grades will not be included in the computation of the term or cumulative grade point average.

Any exception to the policies of the emergency medical withdrawal must be appealed to the university’s Committee on Academic Policies and Standards (p. 28) (CAPS).

Withdrawal from classes
Any student may withdraw from a class until one week beyond mid-term of a semester or a summer session. All withdrawals from classes after the "drop/add - change-of-schedule" period are recorded with a "W" on the student’s permanent academic record along with the official date of withdrawal. Half-term courses or short-term courses have withdrawal time limits established on a basis prorated to withdrawal dates for a full-term course. A student must obtain either advisor’s or instructor’s signature during this time period. No student is permitted to withdraw from a class later than one week beyond mid-term of a semester or summer term. Only a grade of "F" or "I" may be recorded for any student who enters this time period and fails to complete a course. See the withdrawal from the university (p. 35) policy for exceptions.

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Any exception to the policies of the emergency medical withdrawal must be appealed to the university’s Committee on Academic Policies and Standards (p. 28) (CAPS).

Withdrawal from the university
Withdrawal from the university is a matter of major importance. If a student is considering withdrawal from school, the student should discuss the matter with faculty advisor, dean, and counselors prior to initiating action. The official date of withdrawal from all classes will be recorded on the permanent academic record if the student withdraws after classes begin.

Forms for withdrawing from the university may be obtained from Student Life, 149 Graff Main Hall. The forms provide a checklist which withdrawing students are expected to follow carefully. Withdrawal procedures must be fully completed before a withdrawal becomes official.

An official withdrawal entitles a student to a refund of fees when the withdrawal date falls within a refund period. The official date of withdrawal is the date the withdrawal form is received in the Records and Registration Office. A "W" (Withdrawal) will appear on the student’s academic transcript if the withdrawal date is prior to one week after mid-term of a given semester. A grade of "WP" or "WF" will appear if the withdrawal falls after the mid-term point. A grade of "WF" will be averaged into the GPA. Withdrawal from the university is not allowed after the three-quarter point of the term.

An unofficial withdrawal will result in recording failing grades in discontinued courses and in encumbering of student records if the following obligations to the university have not been met: returning books to textbook service and Murphy Library; returning other university supplies and/or equipment issued during preceding periods of regular enrollment; clearing a record through an exit interview in the Financial Aid Office if applicable; and securing a final clearance in the Cashier’s Office with respect to any refund(s) which may be due or obligations unfulfilled regarding university fees, housing or food service arrangements, or accounts.

Military duty withdrawal from the university
Military duty withdrawal applies to those students who are ordered to active duty (i.e., active duty Reserve, National Guard), not to individuals who voluntarily enlist. A copy of the orders/activation papers must be submitted to Student Life, 149 Graff Main Hall. The staff in that office will provide assistance and guidance with the withdrawal process, which may occur at any time. Depending on when the withdrawal is effective, options are available for complete or partial withdrawal with grades of "EP" and "EF," or for accepting grades or "Incomplete" grades.

Refunds will be calculated based on dates and options selected. The full policy (http://www2.uwlax.edu/Records/Veteran-students) can be found with the Records and Registration Office.
Cooperative Education and Internships

Internships help students integrate the classroom with practical experience through work related to their academic and occupational goals. These experiences, for which a student can receive credit, include working for regional, national, and international businesses, government agencies, and community and non-profit organizations.

To participate in the Cooperative Education and Internship Program, students must meet grade point average and course prerequisites. Students must be at their internship site during the academic term for which they are registered for internship credit. Thirty internship credits may be taken and recorded on the academic record; however no more than 15 credits are applicable to a degree. Students should contact the Career Services Office (http://www.uwlax.edu/careerservices) during their sophomore year to learn more.

See below for a list of UW-L academic departments offering internship credit and the corresponding course, and see the Courses tab for the courses used in university-wide internships and off-campus cooperative internships. For more information, contact the specific department or Career Services (http://www.uwlax.edu/careerservices/students/internships.htm), 1140 Centennial Hall, 608.785.8570.

This section does not apply to internships in teacher certification programs, health, exercise and sport science non-teaching programs, nutrition, recreation, or graduate programs.

Departmental internships

Click on the course for the course descriptions and possible prerequisites, which are also listed under the appropriate departmental and/or program section.

- Accounting - ACC 450 College of Business Administration Internship
- Anthropology - ANT 450 Internship in Anthropology
- Archaeology - ARC 450 Internship in Archaeology
- Art - ART 450 Internship in Art
- Biology - BIO 450 Internship in Biology
- Child Youth Care - CYC 450 Internship in Child/Youth Care
- Communication Studies - CST 450 Internship in Communication Studies
- Economics - ECO 450 College of Business Administration Internship
- English - ENG 450 English Internship, ENG 452 Professional Writing Practicum
- Environmental Studies - ENV 450 Internship in Environmental Studies
- Finance - FIN 450 College of Business Administration Internship
- Geography/Earth Science - GEO 450 Geography Internship/ESC 450 Geography Internship
- History - HIS 450 History Internship/Field Experience
- Information Systems - IS 451 CBA Management Information Systems Internship
- International Business - IB 450 International Business Internship
- Management - MGT 450 College of Business Administration Internship, MGT 452 College of Business Administration International Internship
- Marketing - MKT 450 College of Business Administration Internship
- Microbiology - MIC 450 Internship in Microbiology
- Modern Language - FRE 450 National/International Intern Program/GER 450 National/International Intern Program/SPA 450 National/International Intern Program (listed separately under French, German and Spanish)
- Teaching English to Speakers of Other Languages - TSL 450 TESOL National/International Intern Program
- Physics and Astronomy - PHY 450 Physics and Astronomy Internship/AST 450 Physics and Astronomy Internship
- Political Science - POL 450 Internship in Government and Politics, POL 451 Internship in Criminal Justice
- Psychology - PSY 450 Fieldwork Experience in Psychology: Undergraduate Internship
- Sociology - SOC 450 Internship in Sociology, SOC 451 Internship in Criminal Justice
- Theatre Arts - THA 450 Internship in Theatre Arts
- Women, Gender and Sexuality Studies - WGS 450 Internship in Women's Studies
Current student information

A university education consists of more than what goes on in the classroom. A great deal of learning takes place through involvement in organizations, research, and community service. Students have an abundance of choices to develop leadership skills, form relationships, volunteer, make a difference, and have fun.

Campus resources include helpful information about UW-L academic organizations along with some community resources. The on-campus life section has information on how students can get involved and make the most of their college experience.

Campus Resources

- Academic advising (p. 37)
- Academic Advising Center (p. 37)
- Campus Climate (p. 38)
- Campus safety and parking (p. 38)
- Career Services (p. 38)
- Child Center (p. 38)
- Continuing Education and Extension (CEE) (p. 39)
- Cooperative Program with Viterbo University (p. 39)
- Counseling and Testing Center (p. 39)
- Disability Resource Services (p. 40)
- First Year Experience (p. 40)
- Information Technology Services (ITS)/Help Desk (p. 40)
- International Education (p. 40)
  - International student services (p. 40)
  - Academic programs abroad (p. 40)
  - Academic programs abroad categories (p. 41)
  - Academic requirements (p. 41)
  - Cost and financial aid (p. 41)
- La Crosse Exercise and Health Program (LEHP) (p. 41)
- La Crosse Medical Health Science Consortium, Inc. (p. 42)
- Legal aid service (p. 42)
- Mississippi Valley Archeology Center (MVAC) (p. 42)
- Multicultural Student Services (p. 42)
  - Academic Success Institute (p. 42)
- Murphy Library Resource Center (p. 42)
- Records and Registration (p. 43)
- Residence Life (p. 43)
- River Studies Center (p. 44)
- Small Business Development Center (SBDC) (p. 44)
- Student Health Center (p. 44)
- Student Life (p. 44)
- Student Life/Violence Prevention (p. 45)
- Student Life/Wellness Resource Center (p. 45)
- Student Support Services (p. 45)
- Tutoring services (p. 45)
  - The Murphy Learning Center (p. 45)
- UW-L Planetarium (p. 45)
- Upward Bound (p. 45)
- Veterans Educational Benefits (p. 46)

Academic advising

Faculty advisers are assigned to each student based on academic major. Advisor assignments can be found in the WINGS Student Center. Advisers may be consulted for major and career choices and concerns, course sequencing and selection, and a variety of other issues. Students should schedule a minimum of one conference per semester with their advisers. Frequently this is done when planning next semester’s class schedule.

Other advising resources include the Academic Advising Center, Career Services Office, and the Counseling and Testing Center. The staff in these offices provide academic, career and personal counseling, and make referrals when appropriate. These resources, particularly the Academic Advising Center, are useful for students who have not declared an academic major or are uncertain about a major or career.

Academic assistants to the deans are knowledgeable about university policies and procedures. They assign faculty advisers and notify students of their academic status. They determine whether students have completed all General Education, college core, major, minor, and university requirements for graduation. You should schedule an appointment with the assistant in your college dean’s office one semester prior to graduation to confirm that all requirements will be met.

The Advisement Report (AR) is an important advising tool and is available in the WINGS Student Center under “Academic Requirements.” The AR identifies requirements that have been completed and those that remain. Using your AR is the best way to ensure that you are taking exactly the courses you need for graduation. You may be thinking of changing your program of study and wonder how that change would affect your progress. You can use the What If AR to set up and request a simulated or “what-if” advisement report based on alternate programs of study. This provides an opportunity to determine how one’s courses fit into a different major, and what requirements would need to be met. ARs are available in the online WINGS Student Center. If you have any questions about how your courses are applying in the AR, please see your dean’s office.

Academic Advising Center

1140 Centennial Hall
608.785.6950
advising@uw lax.edu
www.uwlax.edu/advising

The University of Wisconsin-La Crosse Academic Advising Center is committed to providing all students developmental academic advising grounded in teaching and based on valuing a liberal arts education. Through this process, students develop the skills and self-knowledge to be adaptable and reflective life-long learners. This results in the ability to set personal goals and to make intelligent educational, career, and life choices to achieve those goals.

Undeclared majors/students with unique needs: Most of the center’s work is focused on students who have not decided on an academic major and populations of transfer students, returning (non-traditional) students, and those students with unique needs. There are resources to assist with academic and career decision-making, including the computer-based Wisconsin Career Information System (WCIS) and other web-based programs that can help match the student’s interests, values, and skills with potential majors and occupations. Staff members meet individually with students who are uncertain about their majors or career choices.
Declared majors: The Academic Advising Center staff supports the advising that is carried out by faculty and academic staff within the colleges, departments, and other academic units. Students who have declared their major/minor should meet every semester with their designated faculty adviser.

Campus Climate
1120 Centennial Hall
608.785.5094
www.uwlax.edu/campusclimate/

Formed in 2005 as a project of Plan 2008, the Research & Resource Center for Campus Climate envisions a campus environment where the individual and collective are committed to welcoming, including, and engaging the experiences and perspectives of all. Through fostering dialogue, respect, critical thinking, personal growth, and social action, we believe in the power of awareness, the strength of understanding, and the potential of bridging cultures across difference. To that end, our mission is to facilitate, sustain and advance an organizational culture and climate that supports principles of social justice, equity, inclusion and community.

A couple of our most recognized efforts include:

AWARENESS THROUGH PERFORMANCE (http://www.uwlax.edu/campusclimate/atp) - Awareness through Performance is a student group that works toward promoting greater consciousness around social justice, diversity, and climate issues on the UW-L campus and beyond. Using the stage as their forum, students creatively challenge systems of prejudice and oppression and strive to plant seeds of social responsibility, inspire critical thought, and spark a campus-wide conversation.

HATE & BIAS RESPONSE (http://www.uwlax.edu/campusclimate/hrt.htm) - The Hate Response Team (HRT) exists to combat the many forms of hate/bias and all manifestations of prejudice and intolerance through consistent assessment of the campus climate, proactive educational efforts for all, and comprehensive response and counsel to the individual and collective impacted by hate/bias. Through the online Hate/Bias Incident Report (http://www.uwlax.edu/campusclimate/report.htm), the Hate Response Team seeks to collect information on any and all incidents of hate, bias and discrimination motivated by a person’s actual or perceived identity, which could include race, ethnic background, nationality, sex, sexual orientation, gender identity, gender expression, disability, or religious affiliation.

Campus safety and parking

Police Services
605 17th St. N.
608.789.9000
www.uwlax.edu/police

The University Police Department exists for the protection of people and property within and adjacent to the university community. The staff of certified (commissioned) police officers strives to provide a safe and secure campus environment. This is done through enforcement as well as engaging in activities with the Student Life Office and Residence Life Office to promote safety and responsible behavior. The officers are available 24 hours a day, seven days a week.

The Student Life Office provides the annual security report and crime statistics (http://www.uwlax.edu/studentlife/securityreport.htm).

Campus Parking
605 17th St. N.
608.785.8061

Career Services
1140 Centennial Hall
608.785.8514
career@uwlax.edu
www.uwlax.edu/careerservices

The Career Services Office assists students in finding meaningful careers. The following services are available to assist in this process:

Career Advising: Students can meet individually with a career advisor to discuss career exploration, job and internship search strategies, resume and cover letter writing, interviewing skills, and graduate school application process.

Career Events: Each year, Career Services coordinates several major career events that allow students to meet employers on an informal basis to discuss career options, internship positions, and employment opportunities.

Online Services: From the Career Services’ home page, students can view and apply for regularly updated internships and jobs, sign up for on-campus interviews and upload resumes for employers to view online. The home page also provides a complete schedule of Career Services sponsored career fairs, events and workshops, extensive “how to” information for resume writing, cover letter writing and interviewing, links to the top job web sites and major employer home pages, graduate and professional school information, links to career guidance information, and an annually updated report on employment information of recent UW-L graduates.

On-Campus Interviewing: Employers from business, industry, government, and education visit the campus to interview students for employment opportunities.

Cooperative Education and Internship Program: Internships help students integrate the classroom with practical experience through work related to their academic and occupational goals. These experiences, for which a student can receive credit, include working for regional, national, and international businesses, government agencies, and community organizations.

To participate in the Cooperative Education and Internship Program, students must meet grade point average and course prerequisites. Students must be at their internship site during the academic term for which they are registered for academic credit. Thirty credits may be taken and recorded on the academic record; however no more than 15 credits are applicable to a degree. Students should contact the Career Services Office during their sophomore year to learn more.

Departmental internships also are offered. See Cooperative Education and Internships (p. 36) for a list of the departments.

Child Center
Eagle Rec Center
608.785.8813
www.uwlax.edu/childcare
The Campus Child Center was established in 1985 to provide care for the children of University of Wisconsin-La Crosse students, staff, and faculty. The Center has built and maintained a reputation for providing quality care to the families they serve. For more information, visit the Campus Child Center (http://www.uwlax.edu/childcare).

**Continuing Education and Extension (CEE)**

205 Morris Hall  
608.785.6500  
continuinged@uwlae.edu  
www.uwlax.edu/ceed

CEE works with faculty and departments to extend the instructional, research, and public service resources of UW-L to individuals and organizations in western Wisconsin communities and in other parts of the state. Some programs attract national and international audiences.

Graduate and undergraduate credit courses are offered off campus for part-time students, primarily K-12 educators, and health and human service professionals. Some courses are offered in partnership with the Cooperative Education Service Agency (CESA) #4.

Conferences, workshops and other non-credit instructional programs are conducted for selected professional audiences, as well as the general public. A non-credit certificate program is offered in autism spectrum disorders. Learning in Retiremen programs are offered specifically for older adults. Continuing education units (CEUs) or health education continuing education contact hours (CECHs) are awarded when appropriate.

Science, humanities, and arts enrichment classes also are offered for upper elementary, middle, and high school students.

Credit outreach courses and most non-credit instructional programs are offered in partnership with UW-Extension. Distance learning technologies are used for selected audiences.

CEE staff work with faculty and off-campus individuals to host conferences and annual meetings of professional associations and other organizations.

**Cooperative Program with Viterbo University**

The University of Wisconsin-La Crosse and Viterbo University, also located in La Crosse, have an agreement for inter-institutional cooperation. The program is designed to enhance the educational opportunities for students of both institutions and to optimize the use of personnel, financial, and physical resources. Authorized students from each institution will be allowed to enroll in selected courses at the other institution.

Specific conditions:

1. Enrollment of any student in any course will be contingent upon the written permission of both institutions.
2. Students must be enrolled as full-time students at their home institution to be eligible for participation in the program.
3. Priority will be given to students from the home institution in courses where enrollments are limited.
4. Students will be allowed to carry a maximum of six credits at the sister institution.

5. Payment of general tuition and fees will be made at the institution at which the student is enrolled full-time.
6. Any special course fees, i.e. for laboratories, physical education, etc., will be paid at the institution at which the course is taken.
7. Only under special circumstances will students be allowed to enroll in courses at the sister institution that are available at the home institution. This will be determined on a case-by-case basis.
8. Summer and winter terms are excluded from the agreement.

If you are interested in participating in the program, contact the Cooperative Program Advisory Coordinator in the College of Science and Health, 205 Graff Main Hall.

**Counseling and Testing Center**

2106 Centennial Hall  
608.785.8073  
www.uwlax.edu/counseling

The Counseling and Testing Center (CTC) offers a wide range of mental health and testing services designed to help college students adjust to the university environment and cope with emotional and psychological difficulties, as well as academic and social pressures. The CTC is also home to a Relaxation Room equipped with a meditation area, reclining chairs, and massage pads, as well as computer-based biofeedback, guided relaxation, and music programs.

Individual counseling provides an opportunity to talk with a professional counselor about any topic or personal concern. Groups and workshops help students learn new interpersonal skills, improve study skills, or discuss personal concerns in a safe and supportive atmosphere. Couples therapy and family therapy are also offered when indicated by treatment needs. The CTC staff works closely with the physicians and the psychiatrist at the Student Health Center to coordinate any medical care that might be needed.

Information shared in counseling sessions is confidential in accordance with Wisconsin Statutes. Counseling records, tests, and related information do not become part of the official university record.

The professional staff consists of psychologists, counselors, social workers, and supervised professionals-in-training. Staff members have considerable experience in working with college students and use various short-term methods of individual and group counseling to help students achieve their goals. The CTC is a training site for graduate level practicum and intern students, as well as post-doctoral psychology fellows who work under the supervision of licensed professional psychologists and counselors. We strive to empower students to recognize and improve their own capacity for wellness and healing. Our staff believes that good mental and emotional health are imperative to both academic and interpersonal success. Most counseling center services are funded by student segregated fees and are available to all currently enrolled students.

Several national testing programs are administered for UW-L students and community members in a paper-pencil format. Available exams include the ACT, CLEP, CHES, LSAT, Miller Analog, SAT, and Wisconsin Placement Tests. The Counseling and Testing Center also serves as a computer-based testing center for Castle World Wide, PAN (Performance Assessment Network), and Pearson/VUE. The GRE, Praxis/PPST, TOEFL and MCAT exams are available through agreement with Education Testing Service. As a member of the National College Testing Association’s Consortium of College Test Centers, CTC also provides proctoring for UW-L students and community members for those who are taking correspondence, online or distance courses, in addition to those individuals needing professional certification for employment. For
more information on proctoring services, see the National College Testing Association (http://www.ncta-testing.org/cctc).

**Disability Resource Services**

165 Murphy Library Resource Center  
608.785.6900  
www.uwlax.edu/drs

The University of Wisconsin-La Crosse is committed to providing equal educational opportunities for all students. Students with disabilities on our campus are offered a variety of services to ensure that both facilities and programs are accessible. The Office of Disability Resource Services can assist students in obtaining reasonable accommodations at the university.

If you have a physical, sensory, emotional, or learning disability, you should meet with personnel from the Disability Resource Services during your first semester on campus. Contact personnel at the office immediately after acceptance into the university.

**First Year Experience**

149 Graff Main Hall  
608.785.8055  
www.uwlax.edu/FYE

Student Life - First Year Experience is responsible for programs such as New Student Orientation and Family Weekend. It exists as a resource to assist in the transition of new students and their families by building partnerships through communication, programming, and resources. Please call, email, or drop-by to ask a question or to chat about your experience as a new student at UW-L.

**Information Technology Services (ITS)/Help Desk**

Information Technology Services  
Wing Technology Center  
www.uwlax.edu/its

Eagle Help Desk  
103 Wing Technology Center  
608.785.8774  
helpdesk@uwlax.edu  
www.uwlax.edu/helpdesk

ITS provides our campus community with the technology necessary to facilitate and enhance learning through these services: computer labs and classrooms, personal file storage, distance education, lecture capture, Eagle Help Desk, EagleApps (email) powered by Google, network, and personal file storage. Students can access their academic information, tuition, and fees and register for classes online using WINGS. Many courses offer online resources through Desire2Learn (D2L), the campus supported course management system. Many of these resources are available on or off campus through a web browser. Computing and network information resources are widely used to support instruction, research, student services, and communication and to create a community of shared inquiry. Principles of responsible use, to which all users are bound, are included in the student and staff handbooks (http://www2.uwlax.edu/ITS/Student-technology-guide).

ITS open computing access labs (http://www2.uwlax.edu/ITS/Computer-classrooms-and-labs) are located in Murphy Library, Wimberly, and Cartwright Center. The labs have computers using Windows 7 and Macintosh operating systems. A wide variety of application software including Microsoft Office is available. Pay-for-print laser printing is available in ITS computing rooms, and the Eagle Help Desk has more information about printing on campus (http://www2.uwlax.edu/ITS/Pay-for-print).

The Eagle Help Desk provides free technical assistance. Assistance is available by phone, email, web, or on a walk-in basis. For self-help and more support resources, please visit the Help Desk (http://www2.uwlax.edu/ITS/Eagle-Help-Desk).

The campus network reaches all buildings, including residence halls. Residence halls have individual network connections in each room; plus, a computer lab in each hall is available to residents. Wireless network connectivity is available in all academic buildings, residence halls, and many public areas on campus, both inside and outside, for students with mobile computers.

**International Education**

1209 Centennial Hall  
608.785.8016  
www.uwlax.edu/oie

**International student services**

International student advisors are located in the Office of International Education. The advisors play an important role in assisting new international students in their adjustment to UW-L and life in the United States. Although a primary function is advising students on immigration regulations, the Office of International Education and the international student advisors provide other important services:

- Pre-arrival information containing details about transportation and arrival, health insurance, housing, life in La Crosse, and orientation.
- Orientation programs scheduled each semester before classes to acquaint new students with university academics, facilities, procedures, life in La Crosse, money and banking, immigration laws, and campus and community organizations.
- Administration of U.S. Citizenship and Immigration Services (USCIS), Department of Homeland Security (DHS), and Department of State (DOS) regulations in areas such as work authorization, transfer of schools, practical training authorization, and extension of stay.
- Referral services to other university offices and community agencies.

The international student advisor serves as a liaison with other organizations that provide international students various opportunities to meet and interact with people from UW-L and the La Crosse community. One organization is the La Crosse Friends of International Students (LFIS). LFIS is an organization actively involved with international students at UW-L. This group organizes welcome activities for new international students and coordinates Friendship Families for all interested students.

UW-L offers many recognized university student organizations (https://uwlyorgs.collegiatelink.net) to domestic and international students. Membership provides an opportunity to become involved on campus and in the community. Many of these activities emphasize educational, social and cultural sharing, as well as the development of a more global campus perspective.

**Academic programs abroad**

UW-L and the Office of International Education offer students a range of academic programs for full university credit at leading universities well matched to the needs and interests of UW-L students. Program costs are, on average, comparatively less than many other university programs nationwide.
The university encourages students to study in a foreign country to enrich their university training and enhance career opportunities. International study programs provide special opportunities for advanced study of the humanities, social sciences, international business, and the arts. Language study programs are coordinated with modern language course work at UW-L so that students may continue their progress in an appropriate sequence.

The Office of International Education has a resource room with information on UW-L programs including course catalogs, videos and host country information. Study abroad peer mentors are also available during regular office hours to share a student perspective on study abroad experiences in a variety of countries and programs.

**Academic program abroad categories**

1. **Exchanges** permit students to enroll directly at a foreign university for a semester or year by "trading places" with a student who may come to UW-L from that university. Exchange students take standard classes in the curriculum and otherwise participate fully as regular students at the host university.

2. **Study abroad programs** also allow students to enroll directly at a foreign university but under the auspices of a specially designed program to accommodate American students.

3. **Provider programs** are study abroad companies that offer international programs for American students. Their sites may be affiliated with a foreign university or designed as a study center exclusively for American students.

4. **Study tours** are short-term credit-bearing programs (summer, winter intersession, or spring break) led by UW-L faculty which allow students to focus on specific issues, themes, or world regions. Destinations may vary each academic year.

5. **Service learning programs** are non-credit bearing study tours that offer students the opportunity to take part in a volunteer or service learning experience abroad.

Listed below are the principal academic programs abroad currently available to UW-L students:

- Australia
- China
- Denmark
- Egypt
- France
- Ireland
- Germany
- Israel
- Japan
- Mexico
- National Student Exchange Program (NSE) - domestic placements
- Norway
- Spain
- Sweden
- United Kingdom (includes Scotland)
- Worldwide
  - Academic Programs International (API)
  - Cultural Experiences Abroad (CEA)
  - Council on International Educational Exchange (CIEE)
  - GlobeLinks
  - International Student Exchange Program (ISEP)
  - International Internship Programs
  - International Undergraduate Research (http://www.uwlax.edu/urc/Funding/URCC_grants.htm)

**Academic requirements**

Selection of the appropriate program for each student requires careful consideration of the academic, personal, and financial factors that determine a successful international experience. Group and individual advising sessions with the study abroad staff assist students in choosing an appropriate program. Applicants for academic programs abroad are expected to have a good record of academic achievements. UW-L requires a minimum grade point average (GPA) of 2.50 and successful completion of one semester on campus. However, some programs may require a higher GPA and class standing in order to be eligible.

Upon acceptance into a semester or academic year program, students are required to enroll in INS 250 Orientation to Study Abroad (1 cr.), a course designed to prepare students for a successful international experience. This course examines educational, cultural, political, and other issues that affect a student’s adaptation to foreign environments. Students may also elect to enroll in INS 251 Study Abroad Practicum: Journaling (1 cr.) while abroad, and INS 252 Cross-Cultural Reentry From Study Abroad (1 cr.) upon return, which taken together fulfills a general education requirement.

Academic credit is awarded for all programs, subject to approval of transfer by specific departments. These grades are calculated in a separate transfer GPA and are not included in the student’s overall GPA. Programs offering UW-L resident credit will be included in the overall GPA.

Students wishing to participate in non-UW-L study abroad programs may do so pending review and approval by the Office of International Education.

**Cost and financial aid**

The university makes every effort to provide academically sound exchange and study abroad programs at reasonable costs. Exchange program fees may be based on tuition, room, and board at UW-L with some additional administrative fees. Study abroad program fees are set by the sponsoring institution. Students may apply financial aid to the cost of the programs. Wisconsin residents are eligible for a need-based grant of up to $2,000. Veterans benefits may apply as well. In addition to financial aid, the Office of International Education has information on several scholarships and grants that may be used to offset the cost of studying abroad.

**La Crosse Exercise and Health Program (LEHP)**

221 Mitchell Hall
608.785.8683
www.uwlax.edu/sah/lehp/

The LEHP program, in conjunction with the La Crosse area medical profession, comprises two community service units, Adult Fitness and Cardiac Rehabilitation, as well as professional units in Research and Educational Services. Based on laboratory evaluations, individualized programs of diet and exercise are developed by UW-L faculty and technicians in cooperation with area medical personnel. Graduate assistants and undergraduate fitness majors assist during exercise periods in the Mitchell Hall pool and field house or during individual testing sessions in the Human Performance Laboratory. The LEHP offers an opportunity for practical experience, particularly to students who major in exercise and sport science and health education. Both the graduate
degree program in clinical exercise physiology and the undergraduate program in exercise and sport science-fitness emphasis enroll students who rely heavily on the LEHP units for their clinical work and supervision opportunities.

La Crosse Medical Health Science Consortium, Inc.
3065 Health Science Center
608.785.5150
www.lacrosseconsortium.org (http://www.lacrosseconsortium.org)

The La Crosse Medical Health Science Consortium (LMHSC) is an alliance of Mayo Clinic Health System-Franciscan Healthcare and Gundersen Health System, the University of Wisconsin-La Crosse, Viterbo University, Western Technical College, the La Crosse County Health Department, and the School District of La Crosse. The medical and higher education partners formed the Consortium in 1993 to provide a means for working collaboratively to provide better healthcare, strengthen the healthcare workforce, and encourage strong health science research initiatives. The Consortium continues to work toward these goals through collaborative projects in population health improvement, nursing, clinical placements, cultural competency, and workforce issues in 20 counties of Wisconsin, Iowa, and Minnesota.

The Consortium is located in, and operates, the $27.1 million Health Science Center (HSC), which opened in 2000. The HSC was built with the support of the five founding partners, the State of Wisconsin, and generous private donations. It houses classrooms and teaching laboratories, research labs, faculty offices, and meeting rooms used by UW-L, Western, and Gundersen Health System. It is also home to the Student Health Center, which serves both UW-L and Western students, and La Crosse Community Dental, a nonprofit dental provider for the community.

Legal aid service

The Student Association annually contracts with local attorneys to help students who need legal advice. By contacting Student Life, 608.785.8062, you can make an appointment to see an attorney on campus. All information between attorney and student is kept confidential. It should be noted that legal service is limited to advice, not court appearances. For further information contact Student Life, 149 Graff Main Hall.

Mississippi Valley Archaeology Center (MVAC)

Archaeology Center and Laboratories Building
608.785.8464
www.uwlax.edu/mvac

MVAC is an archaeological research, preservation and public education unit of the sociology/archaeology department that conducts excavations, surveys, pre-collegiate education, and public programs. MVAC preserves sites and collections and works with archaeologists in the sociology/archaeology department to provide opportunities for student participation in archaeological research and pre-professional training and experience. The archaeology laboratory is a location for much course-related student research and contains space to curate artifacts recovered from field projects. Field studies are conducted regularly to learn about the prehistoric and early historic cultures of the upper Mississippi River Valley. The MVAC website contains much information on the archaeology of the upper Mississippi River.

Multicultural Student Services

1101 Centennial Hall
608.785.8225
www.uwlax.edu/mss/

The Office of Multicultural Student Services (OMSS) promotes excellence in student learning and personal/social development for UW-L multicultural students who are U.S. citizens or refugees. In particular, OMSS provides support services and information to recruit, retain and graduate students of African American, American Indian, Hispanic/Latino(a), Asian American, bi-racial, or multi-ethnic descent.

Areas of service and outreach include: Academic Success Institute (summer bridge program); leadership development and advising for multicultural student organizations; academic and financial aid retention; peer tutoring; personal guidance, support and advocacy for students; cultural, educational, and social programming; and year-round pre-college programs and tutoring. OMSS models inclusive excellence and supports collaborative efforts that promote human understanding, shared values, and respect for individual differences.

The Academic Success Institute (ASI)

ASI is a bridge program designed to help first year multicultural and disadvantaged students adjust to a rigorous college routine during the summer before the regular academic year begins. Between 20 and 25 students are enrolled for six weeks of intensive instruction in college level courses and related college experiences. The institute’s records have provided proof that retention and grade point averages can be improved appreciably by this transitional academic experience between high school and college.

Students interested in attending ASI must fit one or more of the following criteria:

1. first generation college student (neither parent graduated from a four-year college or university);
2. need support to successfully obtain a college degree;
3. from a historically underserved group;
4. economically disadvantaged.

Submitting an application for admission to the University of Wisconsin-La Crosse is a requirement for participation. Students will also complete an ASI application and be interviewed prior to acceptance into the program. Applications for ASI are accepted until program capacity is reached. For additional questions, please contact the Office of Multicultural Student Services, 1101 Centennial Hall, 608.785.8225.

Murphy Library Resource Center

608.785.8507
murphylibrary@uwlax.edu
www.uwlax.edu/murphylibrary

Murphy Library is the campus center for academic inquiry. The library provides access to a vast and diverse collection of electronic and print resources, facilities designed to accommodate in a flexible manner a variety of learning needs, and technologies that complement and enhance the acquisition and synthesis of information.

The library building offers open, welcoming spaces for study and collaboration as well as individual study carrels, group study rooms, and a café. The open-stack print and microform collections are complemented by map collections, the pre-K-12 Curriculum Center, leisure reading materials, and a media area. A multimedia collection consisting of audio-visual materials in a variety of formats such as DVD, CD-ROM, and
videotape is located on the main floor of the library. The library is also a selective depository for state and federal government documents. The Special Collections/Area Research Center contains university archives, rare books, over 3,200 hours of oral history interviews, a photographic collection of approximately 170,000 images, 5,500 books on Wisconsin history, and is a regional depository of over 900 linear feet of manuscripts and public records for the Wisconsin Historical Society. Murphy Library houses the campus’s largest General Computer Access lab. Laptops, iPads, video cameras, and other technology tools are available for checkout. Wireless access is available throughout the library, and adaptive technology is also provided.

The periodicals collection includes more than 159,874 full text journals, magazines, and newspapers available electronically through subscription databases, publisher packages, and individual subscriptions. Over 250 scholarly databases are available to library users, from EBSCOhost Academic Search Complete to Thomson’s Zoological Record. A searchable database provides specific location and linking information for all periodicals available to Murphy Library users. The library’s link resolver helps users discover full text availability from various databases, Google Scholar, Murphy Library, and UW-System holdings. In appreciation of the diverse research available to our users, a LibX toolbar enables users to link back to Murphy Library resources and services from anywhere on the web. Our growing collection of electronic books currently numbers more than 249,000 volumes. Electronic library materials are available campus-wide, and in most cases, off-campus as well.

Murphy Library is rich in international and multicultural materials, supporting campus diversity and inclusivity by providing circulating books, reference materials, multimedia collections, and electronic resources that represent a broad spectrum of groups, cultures, and viewpoints.

All of these materials can be located using our integrated search system linking library holdings, full text electronic materials, and request forms into a single interface. This integrated search system also allows users to find materials in local and regional catalogs along with resources for finding materials held in libraries worldwide. By cooperative agreement, students may use the libraries of Viterbo University, Western Wisconsin Technical College, the La Crosse Public Library, and area medical centers. Universal Borrowing allows UW-L faculty, staff, and students access to millions of items throughout the University of Wisconsin system, and Interlibrary Loan provides access to additional materials facilitated by resource-sharing partnerships throughout the world.

For more information, please visit Murphy Library (http://www2.uwlax.edu/MurphyLibrary-Home).

Records and Registration

117 Graff Main Hall
608.785.8576
www.uwlax.edu/records

Records/transcripts: Academic records are confidential between the student and the university. Students may request transcripts of their permanent academic records at any time, provided they are not financially encumbered to the university. Transcripts may be requested in person, online, or by writing to the Office of Records and Registration. Additional transcript information (http://www2.uwlax.edu/Records/Transcript-request-procedure) is available online. There is a fee for official transcripts. Transcripts will not be released without the student’s authorizing signature. Under no circumstances will partial transcripts be issued.

Registration: The university has web registration via the WINGS Student Information System. Each student is assigned a registration time based on credits earned. The assigned time is listed on the Student Center on WINGS, as well as on the Advisement Report (AR). Registration for spring semester begins in November, summer registration begins in early April, and fall registration follows in mid-April. Students register at an assigned time or any time after that through the fifth day of classes (third day for summer session) unless enrollment limits have been met. New first year students register in the summer at special registration sessions. Some departments require advising prior to registration. New students (including transfers) must pay a deposit before registration. Continuing students must have a zero balance on their account. The registration system will not permit a student to enroll in a class for which a prerequisite has not been completed. The online Timetable (http://www2.uwlax.edu/Records/registration), the current schedule of classes, has complete instructions for registration and schedule changes.

If the university’s enrollment management plan will permit registering additional students, late registrants for a semester or summer session will be accepted and enrolled under normal late registration policies and procedures. Registration is closed at the end of the second week of classes in a semester and after one week in a summer session.

Residence Life

Eagle Hall
608.785.8075
www.uwlax.edu/reslife

The Office of Residence Life team mission statement reads, “The University of Wisconsin-La Crosse Residence Life Program is an integral component of the University’s educational mission. We provide reasonably priced and well maintained living/learning environments which are designed to foster learning, community, personal growth, responsibility, respect, leadership, and citizenship.”

Over one-third of the undergraduate students enrolled in the university reside in one of the eleven residence halls with a total occupancy of 3,100. While first-years and sophomores occupy most of these spaces, two new residence halls have opened in the last five years providing suite style living for 880 students.

Residence halls are group living and learning centers financed and maintained solely by revenue from residents. Several living/learning arrangements are offered to meet individual needs: co-ed halls, an upper-class hall, first-year experience halls, and specialized living/learning communities exist in our newest residence hall. All halls are smoke-free.

Halls are equipped with big screen color TVs, study areas, kitchens, computer rooms, laundry rooms, vending machines, a front desk operation, and games such as ping-pong, pool, and foosball. All student rooms have hard wired internet connection, one port per resident, and every hall has wireless connectivity.

Recreation, social, personal development, intramural sports, and diversity programs are some of the activities planned by residents of each hall with guidance and support from residence life staff members. Students are encouraged to assume leadership roles and take an active part of their living community via hall council or the Residence Hall Association Council (RHAC).

Entering students, after paying the $100 housing deposit, may indicate a living arrangement, specific hall, and/or roommate preference when you complete the online housing application. Priority for housing and meeting specific requests is based on the date of your housing application. In addition, a web-based roommate finder program is available.
Specific housing regulations are communicated to all residents through the student handbooks, *Livin' On* and the *Eagle Eye* (http://www.uwlax.edu/studentlife/eagle_eye.html). These regulations are consistent with the conduct code referred to in this catalog and have been formulated by the chancellor under the authorization and direction of the UW System Board of Regents.

Off-campus living opportunities (http://www.uwlax.edu/reslife/html/offcamphousing.html) are also available. Rental agreements are between students and their respective landlords. The university does not inspect or approve off-campus housing.

**River Studies Center**

4043 Cowley Hall
608.785.8261
www.uwlax.edu/biology/rivercntr

The River Studies Center, created in 1972, is a non-curricular unit established to focus on research and informational programs pertinent to the Upper Mississippi River and its related resources. During the past 40 years, the Center has expanded its research program to other aquatic resources, including rivers, streams, lakes, and wetlands across Wisconsin, the Upper Midwest, and the nation. The Center has extensive interdisciplinary collaborative partnerships with several state and federal agencies and with other universities, including the U.S. Geological Survey, the Wisconsin Department of Natural Resources, the Minnesota Pollution Control Agency, the National Park Service, the University of Wisconsin-Madison, and the U.S. Environmental Protection Agency. The research of Center faculty addresses resource issues and environmental problems of pressing regional and national concern, such as environmental pollutants and contaminants that have caused widespread degradation of our aquatic resources. Faculty affiliated with the Center are highly competitive and successful in securing financial support for sustained aquatic environmental research. Scholarly investigations by the Center have provided research opportunities to nearly 100 graduate students and more than 250 undergraduates.

**Small Business Development Center (SBDC)**

120 Wimberly Hall
608.785.8782
www.uwlax.edu/sbdc

The SBDC helps business owners start and grow their businesses through research, on-site programs, advising and educational programming. As one of Wisconsin's Small Business Development Centers, the SBDC taps statewide resources to help business managers solve business challenges. It provides businesses with information and guidance in starting, maintaining, and expanding a small business including innovative, high potential businesses. Funding from the Small Business Administration supports the counseling.

Case studies sometimes are conducted by advanced students under faculty supervision.

In partnership with UW-Extension, the SBDC provides non-credit continuing education programs for business people in a seven-county region. Topics include business plan development, marketing, sales, finance, human resources, and other small business concerns. The Supervisory Management Certificate Program provides practical training for both new and experienced managers. In addition, the SBDC provides speakers, programs, and training to individual firms and groups.

Some research, such as feasibility and impact studies, is conducted for area businesses. Local economic data is accessed through the SBDC website.

**Student Health Center**

1st Floor, Health Science Center
608.785.8558
www.uwlax.edu/studenthealth

The Student Health Center, a member of the American College Health Association, provides medical, nursing, and physical therapy services in the form of outpatient and urgent care as well as prevention of illness or injury. The staff consists of Board Certified physicians, a certified nurse practitioner, two registered nurses with certification in college health nursing, physical therapists who are also certified athletic trainers, physical therapist assistants, medical lab technologists, health information managers, and office staff. The Health Center staffs are experienced in working with the health care needs of college students and are dedicated to providing high quality care and assistance.

Services are available to students who are registered for credits each semester. The student health fee is automatically included in the student fee statement.

All information in a student’s health record is entirely confidential and is not released to anyone without the student’s written consent. Students may schedule an appointment to review their medical records.

Students can be seen at the Health Center by scheduled appointments, same day appointments, and urgent clinic. Appointments are available weekdays when school is in session from 8 a.m. - 4 p.m. on Monday, Thursday, and Friday; 8 a.m. - 7 p.m. on Wednesday; and 9 a.m. - 4 p.m. Tuesday. Students who need emergency medical care when the Health Center is closed should go to the emergency department or walk-in clinic of either of the La Crosse hospitals.

Students are not required to have insurance to receive care at the Health Center. Payment of student fees covers this cost. However, students are strongly encouraged to obtain supplemental hospital-accident insurance to cover such expenses as hospitalization, emergency services, specialist care, pharmacy, and ambulance transport. The student health fee does not cover these costs. If coverage is available through a family plan, students are urged to have the name of the insurance carrier and policy/subscriber numbers available on campus. For those students not covered under family policies, a supplemental insurance plan is available through the university.

**Student Life**

149 Graff Main Hall
608.785.8062
www.uwlax.edu/StudentLife

Student Life staff serve as advocates to promote the interest of students within the university. Their goal is to facilitate student success by maximizing the use of the services available and to intervene on students’ behalf when requested and appropriate. Staff are prepared to address the following issues:

- advising and referral of students who experience personal crises
- investigation of student complaints (ombuds role)
- advocacy and advisement for returning adult students (non-traditional aged)

Student Life is also designated with the responsibility of enforcing the various conduct codes on campus, which can be found in the *Eagle*
Eye. If you experience harassment, discrimination, assault (physical or sexual), or have questions regarding your rights and responsibilities, visit Student Life for confidential advice and guidance.

In addition, the staff provides mediation services to students who may experience interpersonal conflict(s) and are interested in working toward resolution.

**Student Life/Violence Prevention**

149 Graff Main Hall  
608.785.8062  
www.uwlax.edu/violenceprevention/

UW-L recognizes that violence in any form interferes with the work and learning taking place in our community. Often, someone who experiences a sexual assault, stalking, or violence or abuse in a relationship, may find that they have difficulty focusing on work or on their studies. Student Life/Violence Prevention is here to assist with advocacy, information, and support, so that you can make informed choices about the options available to you in these situations. Services are free, confidential, and available to all UW-L students, faculty, and/or staff members.

In addition to advocacy, the Violence Prevention Specialist is available to provide education and training on campus. Contact us to learn more or to schedule a classroom presentation or training session.

**Student Life/Wellness Resource Center**

Wellness Resource Center  
149 Graff Main Hall  
608.785.8977  
www.uwlax.edu/wellness/

The mission of the Wellness Resource Center is to empower students and staff by providing them with the knowledge and tools necessary to lead a healthy, balanced lifestyle. People have a natural impulse for health and an innate wisdom about what is best for them. The Wellness Resource Center’s job is to help minimize or remove the barriers that interfere with that impulse and cultivate an environment in which the potential for health flourishes.

The Wellness Resource Center is committed to the UW-L campus community. By guiding their behaviors we allow for a more holistic, balanced lifestyle where students, staff and faculty are able to achieve their full potential.

**Student Support Services**

2131 Centennial Hall  
608.785.8535  
www.uwlax.edu/sss

Student Support Services is a federally funded TRIO program that has been at the university since 1978. Each year, the program provides services to 350 students who meet federal eligibility requirements. A student must meet one of the following criteria to be considered eligible for services:

1. First generation college student (neither parent graduated from a four-year college or university);
2. Receive a substantial amount of financial aid;
3. Have a diagnosed physical and/or learning disability.

Services provided through the program include: individualized academic, career, and personal advising; and professional and peer tutoring in a variety of topics including math and language arts.

**Tutoring Services**

Murphy Learning Center  
256 Murphy Library  
www.uwlax.edu/mlc

**The Murphy Learning Center**

The Murphy Learning Center is a place where all UW-La Crosse students can receive free tutoring services in a variety of general education courses. The Murphy Learning Center is located in 256 Murphy Library and is mainly staffed by peer tutors. Tutoring is available for Mathematics, Writing, Biology, Chemistry, Earth Science/Geography, Microbiology, and Physics. Tutors can assist with homework, preparation for quizzes or tests, learning vocabulary, and special projects as well as gaining an understanding of the general concepts. Hours vary depending on the subject. Visit the Murphy Learning Center (http://www.uwlax.edu/mlc) for more details.

**Mathematics:** Mathematics and Statistics tutors are available in the Murphy Learning Center. In addition, the Mathematics Department keeps a list of private tutors available in the department office, 1020 Cowley Hall.

**Writing:** The Writing Center is housed within the Murphy Learning Center. The center is open at no cost to all students who seek help with their writing in any class. Students may be referred to the center by their professors, but many students come to the center on their own. Students should make appointments to be tutored, but drop-ins are welcome if tutors are available.

**Writing Center** (http://www.uwlax.edu/writingcenter) staff assists students at any stage of the composing process: understanding an assignment, finding a topic, identifying an audience, developing materials, planning and organizing, writing a rough draft, and revising. The staff does not proofread student papers. Visit the Writing Center for more information.

**UW-L Planetarium**

020 Cowley Hall  
608.785.8669  
www.uwlax.edu/planetarium

The Planetarium has served the university, area schools, private groups, and the general public since 1965. Several thousand people attend presentations at the Planetarium each school year. Bright stars and major constellations are pointed out in the simulated sky. Each program also includes a multi-media presentation on various subjects in astronomy and space science. For information on programs, see the UW-La Crosse Planetarium (http://www.uwlax.edu/planetarium) or call 608.785.8669.

**Upward Bound**

176 Murphy Library Resource Center  
608.785.8539  
www.uwlax.edu/upbound

Upward Bound is a federally funded program for low income and/or first generation college bound high school students. It is funded under Title IV of the Higher Education Act of 1965 and is one of the TRIO programs created by Congress to help students overcome educational, social, cultural, and financial barriers to higher education. Services include weekly tutoring and advising, monthly Saturday activities, college visits,
career exploration, and a six-week summer residential program. Funded at UW-L since 1979, the program serves eligible students from La Crosse and Monroe counties.

**Veterans Educational Benefits**

116 Graff Main Hall  
608.785.8751  
[www2.uwlax.edu/veteran-services/](http://www2.uwlax.edu/veteran-services/)

The Veterans Educational Benefits office is a resource to help facilitate the transition from the military to university life. They assist students in applying for and receiving their federal and state veteran educational benefits and understanding how those benefits are best used at UW-La Crosse. For more information, visit Veterans Educational Benefits ([http://www2.uwlax.edu/veteran-services/](http://www2.uwlax.edu/veteran-services/)).

**On-Campus Life**

- Alumni Association (p. 46)  
- Departmental honors programs (p. 46)  
- Intercollegiate athletics (p. 46)  
- McNair Scholars Program (p. 47)  
- Music activities (p. 47)  
- Recognized student organizations (p. 47)  
- Recreational sports (p. 47)  
- Student government (p. 47)  
  - Student-faculty committees (p. 47)  
  - Student governance associations (p. 48)  
- Undergraduate Research and Creativity Program (p. 48)  
- University Centers (UC) (p. 48)  
- University theatre (p. 49)

**Alumni Association**

Cleary Alumni & Friends Center  
608.785.8489  
[www.uwlalumni.org](http://www.uwlalumni.org)

The UW-La Crosse Alumni Association builds and maintains relationships among alumni, students, friends, and the university. The Association’s primary goal is to keep alumni engaged with the university and to ensure "The La Crosse Experience" lives on for generations to come.

The Alumni Association makes UW-La Crosse stronger by:

- Supporting alumni networks  
- Contributing to "Legacy" scholarships  
- Keeping alumni informed about what is happening on campus  
- Contributing to alumni activities around the world  
- Providing support for today’s students

For information regarding programs, benefits, services, and how you can get involved, visit the UW-L Alumni Association ([http://www.uwlalumni.org](http://www.uwlalumni.org)).

**The UW-La Crosse Alumni Association. For you. For La Crosse. For a lifetime.**

**Departmental honors programs**

Departmental honors programs are available in the Departments of Economics, English, Geography, Microbiology, Modern Languages, Philosophy, Physics, Political Science and Public Administration, Psychology, and Sociology and Archaeology.

Designed to provide opportunities for special in-depth research, reading and writing for majors in the departments listed above, department honors programs also emphasize independent and creative work with highly personalized student-teacher contact and discussion.

The minimum requirements for all departmental honors programs are:

1. **Admission:** junior standing, 12 credits in major, 3.25 cumulative grade point average at graduation, recommendation of two faculty members from major department.
2. **Program:** completion of the regular major, one course in a seminar, independent study, research study, or other appropriate honors options within the major program of study.
3. **Evaluation:** a cumulative 3.50 grade point average at graduation in the major, distinguished performance on a paper or project (a project might be a ballet in the area of the arts, or a study of some aspect of local economic conditions in the area of business), and presentations of the paper or project to a colloquium of faculty and students in the major.

**Honors programs may vary by department. See departmental listings underneath the colleges and schools.**

Additionally, there are numerous student honor organizations. See the "Honor and Recognition Society" category in the online listing of recognized student organizations at UW-L’s MyOrgs ([https://uwmyorgs.collegiatealink.net](https://uwmyorgs.collegiatealink.net)).

**Intercollegiate athletics**

126 Mitchell Hall  
608.785.8616  
[www.uwlathletics.com](http://www.uwlathletics.com)

The University of Wisconsin-La Crosse has a longstanding commitment to excellence in both the academic and physical development of its students, as memorialized in the University’s seal, which is emblazoned with the phrase "mens corpusque" ("mind and body"). The intercollegiate athletics program sponsors 19 sports competing as a member of the National Collegiate Athletic Association (NCAA) Division III, the National Collegiate Gymnastics Association (NCGA), and the Wisconsin Intercollegiate Athletic Conference (WIAC). UW-La Crosse’s rich history in intercollegiate athletics is highlighted by 60 national championships, 360 conference championships, and thousands of All-American performers. Just as importantly, UW-La Crosse’s student-athletes have set a high bar in the classroom, with a cumulative GPA that consistently exceeded the GPA of UW-La Crosse’s general student body. The nearly 300 student-athletes competing in UW-L Athletics embody the program’s mission: Building Champions. In Sport. In School. In Life.

UW-La Crosse Athletics is committed to equal opportunity for student-athletes and staff. The program offers 10 women’s sports (basketball, cross country, gymnastics, soccer, softball, swimming and diving, tennis, indoor and outdoor track and field, and volleyball) and nine men’s sports (baseball, basketball, cross country, football, swimming and diving, tennis, indoor and outdoor track and field, and wrestling).

The intercollegiate athletics program is under the leadership of a director and deputy director of athletics, both of whom lend strategic direction to, and supervision of, a staff of more than 80 dedicated professionals providing comprehensive instruction and services to UW-La Crosse’s student-athletes. In addition to 14 head coaches and more than 50
assistant coaches, the staff includes an administrative assistant, four certified athletic trainers, three strength and conditioning coaches, three facility managers, two marketing and event management professionals, a sports information director, an equipment manager, and a director of camps and clinics.

UWL Athletics is a member of the Division of Student Affairs and, as such, the director of athletics reports to the vice chancellor/dean of students. Two faculty athletics representatives provide academic oversight to the athletic program. In keeping with the campus commitment to shared governance, an Athletics Committee comprised of students, faculty, and staff monitors and advises the program on budgetary matters. A Student-Athlete Advisory Committee that includes representatives from every sport program meets regularly and consults with the program’s leadership.

McNair Scholars Program
106 Graff Main Hall
608.785.6913
www.uwlax.edu/mcnair

The Ronald E. McNair Post-Baccalaureate Achievement Program is federally funded by the United States Department of Education to provide eligible students with support and preparation for graduate school. McNair Scholars must either be low-income, first generation college students AND/OR be members of a traditionally underrepresented group in their field (usually African American, Latino/a, Native American and/or Asian Pacific Islander). The program at UW-La Crosse began in October of 2009 and is housed in the College of Science and Health. The program considers students from all majors that would lead to a Ph.D. as the terminal degree.

Music activities
608.785.8409
www.uwlax.edu/music

The Department of Music welcomes all University students by audition into its performing organizations. Most of the student ensembles function as part of the curriculum for our music majors and minors, but qualified non-music major students from all colleges and programs make up a large percentage of the participants in our ensembles. There are a variety of music ensembles available including: Orchestra, Wind Ensemble, Symphonic Band, Screaming Eagles Marching Band, Jazz Bands and combos, Concert Choir, Women’s Chorus, Mannerchor, Chamber Choir, Vocal Jazz Choirs, Korean Percussion Ensemble, and various other chamber ensembles. The large ensembles regularly perform on tours in the state, nationally and internationally. Auditions are required for admission and placement. Contact the Department of Music for details on audition dates, times, and repertoire. For students who enjoy listening to music, the abundance of concerts presented by our ensembles throughout the academic year provide ample opportunities to attend a wide spectrum of musical events.

Recognized student organizations
For a current listing of over 185 UW-La Crosse recognized student organizations, visit MyOrgs (https://uwlmyorgs.collegiatelink.net).

Recreational sports
130 Recreational Eagle Center
608.785.5225
www.uwlax.edu/recsports

UWL students study hard, work hard, and play hard. Once you put down your books, check out what the Rec Sports Department has to offer. We have programs and facilities designed to help you stay active, meet new friends, and reduce your stress levels. Programs include: intramural sports, sport clubs, group fitness classes, special events, Outdoor Connection gear rental, trips, and climbing wall.

Recreational Eagle Center houses a climbing wall, 200 meter elevated track, two racquetball courts, four basketball courts, six volleyball courts, three badminton courts, multi-purpose room, strength and fitness center, cardiovascular equipment, aerobics studio, conditioning room, locker rooms with showers, outdoor trips and rental program.

Mitchell Hall houses a swimming pool, climbing wall, 200 meter track, three basketball courts, six tennis courts, indoor ropes course, dance studio, sports performance center, wrestling room, and locker rooms with showers.

Student government
235 Cartwright Center
608.785.8775
www.uwlax.edu/studentassoc

Chapter 36 of the Wisconsin State Statutes reads: “The students of each institution or campus shall have the right to organize themselves in a manner they determine and to select their representatives to participate in institutional governance.” To exercise that right, the students have established the University of Wisconsin-La Crosse Student Association (UWL-LSA) (http://www.uwlax.edu/studentassoc). Each student enrolled at UWL is a member of the UW-LSA. The student government is divided into three branches: executive, legislative (Student Senate), and judicial. The executive and legislative branches are elected by the members of the UW-LSA each year. The judicial branch is appointed by the executive branch and approved by the legislative branch. All student governance and administrative agencies operate within the limits of authority prescribed by the faculty, the administration of the university, and the Board of Regents of the University of Wisconsin System.

Student-faculty committees
The Academic Affairs Committee is responsible for providing input on academic issues from the student perspective. This committee promotes the highest standards of academic integrity throughout the entire university community. It also reviews student technology fee allocations and other technology issues.

The Academic Initiative Oversight Committee (AIOC) is responsible for the annual distribution of academic initiatives differential tuition money to programs which fall under one of four cornerstones: advising, research, internationalization and diversity. AIOC is a made up of students, faculty and staff members who must determine how to allocate the budget so as to be the best advocates of student money through program presentations and budget deliberations.

The Segregated University Fee Allocation Committee (SUFAC) recommends to the chancellor the manner in which funds collected by the state for support of student activities are to be distributed among eligible organizations.

The Athletics Committee is responsible for recommendations to SUFAC for funding of activity fees used in support of athletic programs, and for recommendations to the Student Senate regarding policies affecting the athletic program.

The Cultural Affairs Committee is responsible for making recommendations to the SUFAC Committee regarding distribution
of student activity fees used in support of arts, music, theater, and programming for traditionally oppressed groups.

The Legislative Affairs Committee is responsible for encouraging student participation in voting and other events and maintaining these by-laws of the various Student Senate committees.

The Organizations Committee is responsible for recommendations to the Student Senate for the formulation of general policies concerning student organizations, and for recommendations regarding the distribution of the allocable fees for programming organizations.

The Student Services and Buildings Committee recommends policy concerning services provided to students. In addition, it is responsible for making recommendations to SUFAC for distribution of segregated fees for recreation, sport clubs, and student media.

Student governance associations

Student governance expands beyond the UW-L Student Association on campus. There are two other communities that have a structured governance component: the Fraternity and Sorority Life Community and Residence Life. The Panhellenic Council (http://www2.uwlax.edu/University-Centers/Panhellenic-Council) and the Interfraternity Council (http://www2.uwlax.edu/University-Centers/Interfraternity-Council) serve as the governing bodies for the social sororities and fraternities. The Residence Hall Association Council (RHAC) formulates general policies for and serves as an administrative and judiciary agency governing residence halls.

Undergraduate Research and Creativity Program

223 Graff Main Hall
608.785.8040
www.uwlax.edu/urc

Highly motivated students can gain practical experience in their field of study at UW-L by pursuing an undergraduate research/creativity project in close association with a faculty member of their choice. The undergraduate research experience is much like an apprenticeship and is most suitable for students interested in gaining additional experience in their area of discipline.

Course credit may be earned for such research or creative activity, and an undergraduate research project could serve as a basis for a departmental honors thesis. UW-L faculty also may have paid summer positions available for student researchers. Because of the wide variety of possibilities for undergraduate research or creative experiences, students should speak directly with individual faculty members to determine the types of opportunities and specific projects available. In general, the procedure for carrying out an undergraduate research project involves four steps:

1. Selecting a topic of interest and developing an idea for a project.
2. Speak with faculty members about your interests and select one as a mentor to advise you in your research. Most faculty will have projects or research ideas that they would be happy to discuss with you. Be sure to understand the expectations and commitments required of you.
3. Plan the project, seek funding (whenever possible), and carry out the research/creative work.
4. Disseminate your results in the form of a presentation and/or written manuscript.

To assist students in their undergraduate scholarly activity, UW-L has initiated the Undergraduate Research and Creativity Program, which makes funds available to student researchers on a competitive basis for their projects, hosts the annual Celebration of Student Research and Creativity, and publishes the UW-L Journal of Undergraduate Research. Students (with the help of their faculty mentors) may apply for funding every academic year; awards are made in the fall and spring. Project options are numerous. Proposals can be in your major or another discipline of interest, and could be multidisciplinary. Students may work independently or collaboratively on scholarly work completed in the U.S. or at an international location. Recipients are expected to complete their projects and present their work at the Celebration of Student Research and Creativity one year after receipt of the award. It is advisable that interested students begin speaking and planning their work with faculty mentors as early in their academic career as possible. Visit the Undergraduate Research and Creativity (http://www.uwlax.edu/urc) website for additional information and undergraduate research proposal guidelines.

University Centers (UC)

212 Cartwright Center
608.785.8888
www.uwlax.edu/uc

University Centers (http://www2.uwlax.edu/University-Centers/Welcome) is a financially self-sufficient part of the Division of Student Affairs, comprised of Cartwright Center and Whitney Center. The focus of Cartwright Center is on student involvement and development, while Whitney Center provides the main dining operations on campus. Our objective is to support the academic mission of the institution by providing a wide variety of engaging educational and cultural programs, while supporting students with a multitude of free or affordable services and amenities (http://www2.uwlax.edu/University-Centers/Other-Services)

• The Campus Activities Board (CAB) (http://www2.uwlax.edu/cab) is a student-run programming board that provides entertaining and educational activities for the entire campus community. Events such as small and large concerts, comedians, coffee house acts, and special events are offered to students, faculty, staff, and the community. Several educational events are offered. These activities may include fine arts programming such as theater, music, lecture, and dance. The Distinguished Lecture Series also offers the university community an opportunity to hear speakers of national prominence due to their significant contributions to society.

• The UW-La Crosse Dining Service (http://uwlaxdining.com) offers an assortment of different dining locations within Cartwright and Whitney Centers to meet the variety of needs and tastes of the campus community. Students may select from several contract meal plans, block meal plans, and cash/Campus Cash options.

• The Diversity Center is a devoted safe space for students of color, international students, women, LGBTIQQA students, and students with disabilities. The Center offers meeting, study, and relaxation spaces, a small computer lab, comfortable furniture, a microwave, television, and refrigerator. The Diversity Center is open to ALL STUDENTS.

• The Fraternity and Sorority Life Community (FSL) (http://www2.uwlax.edu/University-Centers/Welcome/) is rooted in the four pillars of their community: friendships, leadership development, service, and academic excellence. These are values shared by all of our social fraternities and sororities on campus. Members of the community are engaged in a variety of ways, including Brotherhood/Sisterhood programs, participating in service programs on campus and in the La Crosse community, hosting fundraisers for various philanthropic causes, and participating in regional and national
leadership conferences. Their goal is to create an environment that encourages each student to reach their fullest potential, while living out their values every day.

- The Leadership and Involvement Center (LIC) (http://www2.uwlax.edu/University-Centers/About-leadership-and-involvement) supports and promotes leadership, volunteerism and involvement throughout the University of Wisconsin-La Crosse and the greater community. The Leadership and Involvement Center works to serve as a "bridge" between students, faculty, staff, and the community; provide opportunities and experiences that promote learning and enhance professional and personal growth; provide peer mentoring and advising for co-curricular involvement; promote volunteer opportunities in local, national, and international service organizations; encourage participation in student organizations and in campus activities; and serve as a resource for student organizations regarding involvement and volunteer opportunities.

- The Meal Plan/ID Card Office is a one stop shop to add meal plans (http://www2.uwlax.edu/University-Centers/Meal-plans), Campus Cash, Higher One, and process university photo ID’s. It is also the location to activate university ID Cards (TowerOne Card (http://www2.uwlax.edu/University-Centers/Tower-One-Card)) and get answers to card issues.

- The Pride Center (http://www.uwlax.edu/pridecenter) is devoted to serving students, faculty, staff, and members of the campus community that may or may not label themselves as queer, lesbian, bisexual, transgender, gay, intersex, questioning, asexual, their allies, and students with LGBTIQQA parents. The Center offers panels, educational programs, information, and most importantly, support and advocacy. LGBTIQQA specific magazines, books, and videos are available for check out.

- University Reservations and Event Support (http://www.uwlax.edu/reservations) assists the university community by coordinating reservations, offering information for event planning, and serving as a liaison with university services. The Reservations Office offers equipment and assistance for events and meetings occurring in Cartwright Center. In addition, they can assist with scheduling classrooms (when classes are not scheduled), fundraisers, and outdoor events. Event Support consists of experienced technicians and event planners that help student organizations develop and produce events of all sizes.

University theatre

608.785.6701
Box Office: 608.785.8522
www.uwlax.edu/Theatre

The Department of Theatre Arts produces a theatre season of seven shows in the 418-seat Toland Theatre and in the more intimate Frederick Theatre including musicals, dance performances, and a children’s show. Additionally, Summer Stage, the summer theatre, produces a major musical each June-July. The theatre season is a thoughtful mix of contemporary plays, classics, musicals, and cutting edge new works. Tickets for all Toland Theatre productions may be purchased in advance, either as season tickets or tickets for individual performances. Reservations are strongly recommended.

Any UW-L student registered for at least 3 credits is eligible to audition and be cast in productions. The same applies to any student wanting to work backstage or in various capacities of the production team. Whether or not you are experienced in theatre, your participation is welcomed. Students work both with faculty and guest directors, designers, and choreographers on a wide variety of theatrical offerings. Opportunities to become involved are announced across campus, or you can contact the theatre department for more information.
General education requirements

General education is the common educational experience for all undergraduates at UW-L. It is uniquely concerned with the broad education of the whole person and plays a vital role in preparing students for life beyond the university.

The primary purpose of general education is to cultivate knowledge, skills, and dispositions essential for independent learning and thinking. As a result of general education, students will be more knowledgeable in a wide variety of subject matter areas; and also better able and more willing to ask significant questions, seek appropriate solutions to complex problems, make sound judgments and formulate rational beliefs.

To these ends, the goals of the General Education Program at UW-L are to develop:

- Communication skills in reading, writing, speaking, and listening
- Skills in analytical, logical and critical thinking in various branches of knowledge accomplished in part by each student completing at least one mathematics course
- Oral and written communications skills in a second language for students who elect to do so
- Knowledge of the development and interaction of human cultures
- Understanding of concepts, ideas, and systems of thought that underlie human activities
- Understanding of and sensitivity to cultural diversity in the United States
- Understanding of the social, political, and economic frameworks of societies within the global context
- Understanding and appreciation of the arts
- Understanding of nature, including the role of science and technology in environmental and social change
- Knowledge and skills essential to physical well-being and a healthy lifestyle

The General Education Program places special emphasis on helping students to become more intellectually skilled through inquiry-based teaching and learning. Inquiry-based general education engages students actively in learning and thinking about essential knowledge, issues, and questions. Each general education course enhances students’ intellectual growth in some way. As students gain knowledge, they also learn to use knowledge more effectively, to ask and answer questions, solve problems, develop ideas, and make sound judgments.

The UW-La Crosse General Education Program consists of two major components: Skills and Liberal Studies. Skills courses improve students’ abilities to learn, think, and communicate effectively. Liberal studies courses engage students in the study of important areas of knowledge and experience and focus on central questions, issues, and problems we share as people and as members of the same society.

General Education Committee

The General Education Committee is responsible for coordination, review, and assessment of the general education curriculum. Membership of the committee consists of nine faculty, with proportional representation from the colleges and one student. The provost, registrar, and deans of each college serve as administrative consultants.

Requirements

General education requirements

1. Students must earn a minimum of 48 credits of general education courses.
2. Students must earn the minimum credits within each category (totaling 39 credits).
3. Students earn the remaining credits from any combination of categories.
4. All students must complete the literacy requirements (ENG 110 or ENG 112, and CST 110) and a general education mathematics course prior to earning 60 university credits.

Skills

Fundamental skills are those central to learning, analyzing, evaluating, integrating, and communicating information and knowledge. These skills are essential in all fields of study and their development should be enhanced and refined throughout the college years.

(Proficiency tests are available in “Skills” courses. Contact appropriate department for information.)

Literacy: tools for skilled communication (GE 01)

(Must be completed prior to earning 60 credits.)

Reading, writing, speaking, and listening are the tools by which a person becomes educated. General education skills courses improve students’ abilities to read, write, speak, and listen with clarity, precision, and depth of understanding. Courses in this area include composition and oral communication. In addition, the program includes writing emphasis courses which enhance students’ abilities to communicate and learn through writing.

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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CST 110</td>
<td>Communicating Effectively</td>
<td>3</td>
</tr>
<tr>
<td>ENG 110</td>
<td>College Writing I</td>
<td>3</td>
</tr>
<tr>
<td>or ENG 112</td>
<td>College Writing AP (Advanced Placement)</td>
<td></td>
</tr>
</tbody>
</table>

Students receiving less than a grade of "C" in CST 110, ENG 110 or ENG 112 must repeat the course.

Writing emphasis courses (two courses required)

All students must either complete two writing emphasis courses or complete a major that has a writing-in-the-major program. If completing two courses, they must be at the 200 level or above, one of which must be at the 300 level or above. One course must be in the major (not core). See the class timetable (http://www2.uwlax.edu/Records/Registration-Tips-and-Tricks) for information on offerings each semester.

The following departments/majors have writing-in-the-major programs: art, biology, biochemistry, chemistry, clinical lab science, communication studies, computer science, educational studies, English: rhetoric and writing emphasis, English: literature emphasis, exercise and sport science, health education/health promotion, mathematics, microbiology, modern languages, occupational therapy, psychology, radiation therapy, recreation management/therapeutic recreation, sociology/archaeology, STEP EA-A majors (biology education, chemistry education, physics education, general science education, computer science education, mathematics education, English education, geography education, history education, political science education, sociology education, and general social studies education), and theatre arts. They incorporate writing requirements across their curriculum rather than identifying specific classes as writing emphasis classes. Students with majors

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<tr>
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<tbody>
<tr>
<td>CST 110</td>
<td>Communicating Effectively</td>
<td>3</td>
</tr>
<tr>
<td>ENG 110</td>
<td>College Writing I</td>
<td>3</td>
</tr>
<tr>
<td>or ENG 112</td>
<td>College Writing AP (Advanced Placement)</td>
<td></td>
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</tbody>
</table>
in these departments will fulfill their writing emphasis requirement by completing that major. Transfer students who transfer courses from another institution that are applicable to the major should consult the department about fulfillment of the writing emphasis requirement.

*Writing emphasis courses do not count toward the 48 credit general education requirement unless identified in one of the general education categories.*

**Mathematical/Logical systems and modern languages: tools for structured analysis and communication (GE 02)**

(At least one math course must be completed prior to earning 60 credits.)

General education enhances students’ abilities to think, reason, and solve problems with precision and clarity. Study in this area helps students to understand that words and symbols can have exact definitions and usage, that analyses of some problems require strict use of structured rules, and that discoveries, results, and ideas must be communicated clearly to others who may be unfamiliar with such rules or language. This area of study includes courses in mathematics, computer science, logic, and foreign languages. Although these fields differ in many respects, each emphasizes the skilled use of symbols or language to analyze, evaluate, or communicate more effectively.

Minimum of seven credits required, which must include at least one math course. Non-native speakers of English may use one math course and an acceptable score on a test of English proficiency/placement exam to meet the mathematical/logical systems and modern languages requirement.¹

**Mathematics**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 150 and MTH 151</td>
<td>Mathematics for Elementary Teachers I</td>
<td>4</td>
</tr>
<tr>
<td>MTH 135</td>
<td>Mathematics for Elementary Teachers II</td>
<td>4</td>
</tr>
<tr>
<td>MTH 136</td>
<td>Elementary Statistics</td>
<td>4</td>
</tr>
<tr>
<td>MTH 145</td>
<td>College Algebra</td>
<td>4</td>
</tr>
<tr>
<td>or MTH 151</td>
<td>Precalculus</td>
<td>4</td>
</tr>
<tr>
<td>MTH 175</td>
<td>Applied Calculus</td>
<td>4</td>
</tr>
<tr>
<td>or MTH 207</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MTH 208</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MTH 265</td>
<td>Mathematical Models in Biology</td>
<td>4</td>
</tr>
</tbody>
</table>

**Languages and other logical systems ¹**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHI 102</td>
<td>Elementary Chinese II</td>
<td>4</td>
</tr>
<tr>
<td>CHI 201</td>
<td>Intermediate Chinese I</td>
<td>4</td>
</tr>
<tr>
<td>CHI 202</td>
<td>Intermediate Chinese II</td>
<td>4</td>
</tr>
<tr>
<td>FRE 102</td>
<td>Elementary French II</td>
<td>4</td>
</tr>
<tr>
<td>FRE 201</td>
<td>Intermediate French I</td>
<td>3</td>
</tr>
<tr>
<td>FRE 202</td>
<td>Intermediate French II</td>
<td>4</td>
</tr>
<tr>
<td>GER 102</td>
<td>Elementary German II</td>
<td>4</td>
</tr>
<tr>
<td>GER 201</td>
<td>Intermediate German I</td>
<td>4</td>
</tr>
<tr>
<td>GER 202</td>
<td>Intermediate German II</td>
<td>4</td>
</tr>
<tr>
<td>RUS 102</td>
<td>Elementary Russian II</td>
<td>4</td>
</tr>
<tr>
<td>RUS 201</td>
<td>Intermediate Russian I</td>
<td>4</td>
</tr>
<tr>
<td>RUS 202</td>
<td>Intermediate Russian II</td>
<td>4</td>
</tr>
<tr>
<td>SPA 102</td>
<td>Elementary Spanish II</td>
<td>4</td>
</tr>
<tr>
<td>SPA 103</td>
<td>Elementary Spanish I and II</td>
<td>4</td>
</tr>
<tr>
<td>SPA 201</td>
<td>Intermediate Spanish I</td>
<td>4</td>
</tr>
<tr>
<td>SPA 202</td>
<td>Intermediate Spanish II</td>
<td>4</td>
</tr>
<tr>
<td>MLG 102</td>
<td>World Languages: Elementary II</td>
<td>4</td>
</tr>
<tr>
<td>MLG 201</td>
<td>World Languages: Intermediate I</td>
<td>4</td>
</tr>
<tr>
<td>MLG 202</td>
<td>World Languages: Intermediate II</td>
<td>4</td>
</tr>
<tr>
<td>MLG 204</td>
<td>Heritage Language: Intermediate</td>
<td>4</td>
</tr>
<tr>
<td>ESL 250</td>
<td>ESL Speaking</td>
<td>1</td>
</tr>
<tr>
<td>ESL 251</td>
<td>ESL Writing and Film</td>
<td>1</td>
</tr>
<tr>
<td>ESL 252</td>
<td>ESL Writing/Grammar</td>
<td>1</td>
</tr>
<tr>
<td>ESL 253</td>
<td>ESL Research paper</td>
<td>1</td>
</tr>
<tr>
<td>CS 101</td>
<td>Introduction to Computing</td>
<td>4</td>
</tr>
<tr>
<td>CS 120</td>
<td>Software Design</td>
<td>4</td>
</tr>
<tr>
<td>CT 100</td>
<td>Introduction to Computational Thinking</td>
<td>3</td>
</tr>
<tr>
<td>PHL 101</td>
<td>Introduction to Logic</td>
<td>3</td>
</tr>
</tbody>
</table>

¹ Non-native speakers of English may satisfy the modern language option by exhibiting proficiency (a score of 70 or above) on the La Crosse Battery of Exams for non-native speakers of English or by earning a score on the TOEFL or IELTS that results in admission to UW-L as a degree seeking student (contact the English as a Second Language Institute for eligibility and regulations). None of these exams provide college credit but will suffice to satisfy Languages and Other Logical Systems requirements above. Students utilizing the exam option will still need to complete a minimum of 48 credits applicable to the general education program. Students in the English as a Second Language (ESL) program may satisfy modern language option (Languages and Other Logical Systems) by completing ESL 252 or ESL 253 and one additional course from ESL 250, ESL 251, ESL 252, ESL 253 (maximum of four credits from these courses applicable to general education).

Non-native speakers should NOT enroll in a 101, 102, 201, or 202 level course taught in their native language. Native English speakers are not eligible to enroll in ESL 250, ESL 251, ESL 252, or ESL 253.

**Liberal Studies**

The “Liberal Studies” component of general education engages students in the study of major areas of knowledge and experience. Liberal studies courses afford opportunities for students to evaluate critically their heritage and see beyond the boundaries of their culture, to think scientifically in both the natural and social spheres, to explore texts thoroughly and imaginatively, to respond sensitively to the expressive arts, and to plan a life which makes the best possible use of work and leisure time. The thematic categories and inquiry-based teaching and learning in liberal studies courses help students to see connections among fields of knowledge and to understand different perspectives and ways of thinking about important questions.

**Minority cultures or multiracial women’s studies (GE 03)**

An essential goal of general education is to improve students’ understanding of and sensitivity to cultural diversity in the United States. All students take at least one course that focuses on minority cultures in the United States or women in the United States from a multiracial perspective. All courses in this category fulfill the UW System ethnic studies (ES) requirement.

Minimum of three credits required.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ECO 336</td>
<td>Women in the U.S. Economy (ES)</td>
<td>3</td>
</tr>
<tr>
<td>EFN 205</td>
<td>Understanding Human Differences (ES)</td>
<td>3</td>
</tr>
</tbody>
</table>
System ethnic studies (ES) requirement.

International and multicultural studies courses that focus on the peoples, cultures, and societies of the world. Some courses in this category fulfill the UW history and global studies courses that focus on the peoples, cultures, and societies of the world in an interdependent world in which understanding of other cultures and commerce, economics, and culture touch our lives every day. We live in an interdependent world in which understanding of other cultures and societies is essential. These general education courses include world history and global studies courses that focus on the peoples, cultures, and societies of the world. Some courses in this category fulfill the UW System ethnic studies (ES) requirement.

Minimum of six credits required.

World history (one course required)
- HIS 101 Global Origins of the Modern World
- or HIS 102 Global Transition and Change

Global and multicultural studies (one course required)
- AN/ECO/GEO/ HIS/POL/GEO/SOC 202 Contemporary Global Issues
- ART 301 World Art
- CHI 320 Introduction to Chinese Civilization
- ECO 120 Global Macroeconomics
- ENG 208 International Studies in Literature
- ENV 201 Introduction to Environmental Studies
- FRE 220 France and the Francophone World
- GEO 110 World Cultural Regions
- GEO 200 Conservation of Global Environments
- HIS 101 Global Origins of the Modern World (which ever was not taken from world history list above)
- or HIS 102 Global Transition and Change
- INS 250 Orientation to Study Abroad
- & INS 251 and Study Abroad Practicum: Journaling
- & INS 252 and Cross-Cultural Reentry From Study Abroad
- (must complete all 3 INS courses to course)
- MIC 130 Global Impact of Infectious Disease
- MLG 304 Heritage Language: Advanced
- MUS 201 Musical Cultures
- MUS 204 Latin American Music: Its Context and Impact
- PHL 336 International Multicultural Philosophy
- PHY 142 Navigating Global Nuclear Issues
- POL 234 Comparative Political Systems
- PSY 282 Cross-Cultural Psychology
- THA 351 World Theatre

Science: understanding the natural world (GE 05)

As the health and prosperity of our society becomes more dependent on science and technology, our future becomes increasingly dependent upon a scientifically literate population. Individuals in our society must be sufficiently knowledgeable about scientific facts and applications to make skilled decisions concerning their use in addressing society’s problems. Courses in this area include the study of basic scientific knowledge, the role of applied science and technology as agents of change in society, and a laboratory component to develop an understanding of scientific inquiry.

Minimum of four credits required; one course must be a natural laboratory science from below.

Natural laboratory science
- ANT 102 Introduction to Physical Anthropology
- BIO 103 Introductory Biology
- or BIO 105 General Biology
- CHM 100 Contemporary Chemistry
- CHM 103 General Chemistry I
- ESC 101 Earth Environments
- MIC 100 Microbes and Society
- PHY 103 Fundamental Physics I
- PHY 106 Physical Science for Educators
- PHY 125 Physics for the Life Sciences
- AST/PHY 155 Solar System Astronomy
- AST/PHY 160 Stars, Galaxies and the Universe
- PHY 203 General Physics I

Science, technology and society: emphasizing the role of applied science and technology as agents of change in society
- BIO 102 Contemporary Issues in Biological Sciences
- ESC 211 Global Warming and Climate Change

Self and society: understanding oneself and the social world (GE 06)

Each person, although unique, lives in a social world that exerts profound influence upon his or her attitudes, values, and behavior. It is important to gain a sound understanding of oneself in relation to others and an understanding of the social institutions that people create and which serve to influence our lives. Courses in this area focus on the study of human behavior and social institutions.

Minimum of three credits required.

Human Nature/Human Culture
- ANT 101
- ARC 100 Archaeology: Discovering Our Past
- ART 302 Visual Language in the Global Classroom
- CHE 200 Public Health for the Educated Citizen
- CST 271 Contemporary Media in Everyday Life
- ECO 110 Microeconomics and Public Policy
- ECO/THA 376 Economics of Art and Entertainment
- ENG 220 Women and Popular Culture
- ERS 220 Ethnic and Racial Stereotyping in the Media
Humanistic studies: the search for values and meaning (GE 07)

Academic study of the humanities involves the study of language as a medium for recording human experience and the major forms of such records: philosophical, historical, and literary. Students have the opportunity to test specialized knowledge and personal experience of humanity. These courses focus on what it means to be human, and what was, is, and should be valued by human beings.

Minimum of three credits required; one course must be a literature course from the literature category.

Literature

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CHI 305</td>
<td>Introduction to Modern Chinese Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 200</td>
<td>Literature and Human Experience</td>
<td>3</td>
</tr>
<tr>
<td>ENG 201</td>
<td>American Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 202</td>
<td>American Literature II</td>
<td>3</td>
</tr>
<tr>
<td>ENG 203</td>
<td>English Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 204</td>
<td>English Literature II</td>
<td>3</td>
</tr>
<tr>
<td>ENG 205</td>
<td>Western Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 206</td>
<td>Western Literature II</td>
<td>3</td>
</tr>
<tr>
<td>GER 399</td>
<td>German Literature in Translation</td>
<td>3</td>
</tr>
<tr>
<td>MLG 299</td>
<td>Foreign Literature in Translation</td>
<td>3</td>
</tr>
<tr>
<td>RUS 305</td>
<td>Golden Age Russian Literature and Culture</td>
<td>3</td>
</tr>
</tbody>
</table>

Other humanities

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 205</td>
<td>History of Ethical Values in World Religions</td>
<td>3</td>
</tr>
<tr>
<td>PHL 100</td>
<td>Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHL 200</td>
<td>Introduction to the Literature of Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>POL 251</td>
<td>Justice, Power, and Politics</td>
<td>3</td>
</tr>
</tbody>
</table>

Arts: the aesthetic experience (GE 08)

The arts represent a fusion of the emotional, spiritual, and intellectual realities of the human condition. Study of the arts leads to heightened aesthetic experiences and deepens cultural understanding. This includes courses that focus on understanding, appreciating, and experiencing the fine and performing arts.

Minimum of two courses required from different departments.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 102</td>
<td>Art Appreciation</td>
<td>2</td>
</tr>
<tr>
<td>ART 160</td>
<td>General Art Foundations</td>
<td>3</td>
</tr>
<tr>
<td>ART 172</td>
<td>Photography Survey</td>
<td>3</td>
</tr>
<tr>
<td>ESS 104</td>
<td>Dance Appreciation</td>
<td>2</td>
</tr>
<tr>
<td>MUS 105</td>
<td>Music Appreciation</td>
<td>2</td>
</tr>
<tr>
<td>or MUS 110</td>
<td>The Listening Experience in Music</td>
<td></td>
</tr>
<tr>
<td>MUS 317</td>
<td>Musical Classroom</td>
<td>3</td>
</tr>
<tr>
<td>PHL 332</td>
<td>Philosophy of the Arts</td>
<td>3</td>
</tr>
</tbody>
</table>

Health and physical well-being: learning to create healthy lives (GE 09)

The miracles of modern medicine exist side by side with many kinds of limiting physical conditions such as heart disease and obesity. Many health problems could be prevented or ameliorated by alterations in the ways that people live. The courses in this area focus on knowledge and skills necessary for the appreciation and enhancement of a healthy lifestyle. They emphasize health and physical well-being throughout the life span and explore major health issues, physical fitness, and effective use of leisure.

Minimum of three credits required.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HED 207</td>
<td>Youth Health Issues</td>
<td>3</td>
</tr>
<tr>
<td>HPR 105</td>
<td>Creating A Healthy, Active Lifestyle</td>
<td>3</td>
</tr>
<tr>
<td>SAH 105</td>
<td>Analysis of Health, Wellness and Disease for the Health Care Consumer</td>
<td>3</td>
</tr>
</tbody>
</table>

UWL 100 First Year Seminar

University-wide Learning
Interdisciplinary course
Contact: Jo Arney or Sharie Brunk
425 H Wimberly Hall or 1140 Centennial Hall
608.785.6641 or 608.785.6951
e-mail: jarney@uwlax.edu or sbrunk@uwlax.edu

www.uwlax.edu/gened/uwl100.htm

This course is offered to new students to help them transition to UW-La Crosse and to college life. The course is applicable to the General Education Program under Self and Society: Understanding Oneself and the Social World.

+UWL 100 Cr.1
First Year Student Seminar

Students of this course will, individually and together in groups, pursue the question “What does it mean to be an educated person?” This question will be examined from many perspectives, particularly through three secondary questions: 1) What are the skills of an educated person? 2) What are the intellectual dispositions? 3) What contexts are needed? In pursuing these questions, students will practice and acquire the basic habits and patterns of inquiry through reading, discussion, writing, and involvement in campus activities. Course meets for 12 weeks. Offered Fall.
Degree requirements

- Baccalaureate degree (p. 54)
- Second degree (p. 54)
- Associate degree (p. 54)
- Special degree (p. 57)

Baccalaureate degrees
Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Second baccalaureate degree
A graduate who has earned one baccalaureate degree at UW-L and who subsequently becomes a candidate for a second baccalaureate degree must meet all core, professional, and major requirements for the second degree and must earn at least 30 resident credits beyond the first degree. Students with a previously earned baccalaureate degree from another regionally accredited institution must meet all professional and major/minor requirements. If all required courses are earned in residence, a notation will be made on the student’s transcript indicating an additional major/minor has been completed.

Associate degree
Candidates for the associate degree must complete the following:

1. Earn a total of 60 or more semester credits applicable to a bachelor’s degree at UW-L. At least 15 credits must be earned at UW-L.
2. Achieve a 2.00 cumulative grade point average.
3. Complete a minimum of 13 credits in general education skills courses See “Skills” section below.
4. Complete a minimum of 36 credits of general education liberal studies courses. See “Liberal Studies” section below.
5. Complete one two-semester sequence of courses.
6. File an application for the associate degree with the Office of Records and Registration and pay the application fee.
7. Remove all indebtedness to the university.

Skills
Proficiency tests are available in skills courses. Contact appropriate department for information.

Literacy: Tools for skilled communication
(Six credits required)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 110</td>
<td>College Writing I</td>
<td>3</td>
</tr>
<tr>
<td>or ENG 112</td>
<td>College Writing AP (Advanced Placement)</td>
<td></td>
</tr>
<tr>
<td>CST 110</td>
<td>Communicating Effectively</td>
<td>3</td>
</tr>
</tbody>
</table>

Students receiving a grade lower than a "C" in ENG 110 or ENG 112 and CST 110 must repeat the course.

Mathematical/logical systems and modern languages: Tools for structured analysis and communication
(Minimum of seven credits required; minimum of four credits must be taken from the mathematics section below.)

Mathematics

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 135</td>
<td>Mathematics for Elementary Teachers I</td>
<td>4</td>
</tr>
<tr>
<td>MTH 136</td>
<td>Mathematics for Elementary Teachers II</td>
<td>4</td>
</tr>
<tr>
<td>MTH 145</td>
<td>Elementary Statistics</td>
<td>4</td>
</tr>
</tbody>
</table>

Students cannot earn a second baccalaureate degree in the same major (different emphasis) as their first baccalaureate degree.

Resident credit means credit registered for and earned through UW-L.

Second major or minor
A graduate who has earned one baccalaureate degree at UW-L, who wishes to complete the requirements for another major and/or minor, must meet all professional and major/minor requirements. A notation will be made on the student’s transcript that an additional major/minor has been completed.

Second major or minor
A graduate who has earned one baccalaureate degree at UW-L, who wishes to complete the requirements for another major and/or minor, must meet all professional and major/minor requirements. A notation will be made on the student’s transcript that an additional major/minor has been completed.

Associate degree
Candidates for the associate degree must complete the following:

1. Earn a total of 60 or more semester credits applicable to a bachelor’s degree at UW-L. At least 15 credits must be earned at UW-L.
2. Achieve a 2.00 cumulative grade point average.
3. Complete a minimum of 13 credits in general education skills courses See “Skills” section below.
4. Complete a minimum of 36 credits of general education liberal studies courses. See “Liberal Studies” section below.
5. Complete one two-semester sequence of courses.
6. File an application for the associate degree with the Office of Records and Registration and pay the application fee.
7. Remove all indebtedness to the university.
MTH 150 College Algebra 4
or MTH 151 Precalculus
MTH 175 Applied Calculus 4
or MTH 207 Calculus I
MTH 208 Calculus II 4
MTH 265 Mathematical Models in Biology 4

**Logical systems and modern language**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHI 102</td>
<td>Elementary Chinese II</td>
</tr>
<tr>
<td>CHI 201</td>
<td>Intermediate Chinese I</td>
</tr>
<tr>
<td>CHI 202</td>
<td>Intermediate Chinese II</td>
</tr>
<tr>
<td>FRE 102</td>
<td>Elementary French II</td>
</tr>
<tr>
<td>FRE 201</td>
<td>Intermediate French I</td>
</tr>
<tr>
<td>FRE 202</td>
<td>Intermediate French II</td>
</tr>
<tr>
<td>GER 102</td>
<td>Elementary German II</td>
</tr>
<tr>
<td>GER 201</td>
<td>Intermediate German I</td>
</tr>
<tr>
<td>GER 202</td>
<td>Intermediate German II</td>
</tr>
<tr>
<td>RUS 102</td>
<td>Elementary Russian II</td>
</tr>
<tr>
<td>RUS 201</td>
<td>Intermediate Russian I</td>
</tr>
<tr>
<td>RUS 202</td>
<td>Intermediate Russian II</td>
</tr>
<tr>
<td>SPA 102</td>
<td>Elementary Spanish II</td>
</tr>
<tr>
<td>SPA 103</td>
<td>Elementary Spanish I and II</td>
</tr>
<tr>
<td>SPA 201</td>
<td>Intermediate Spanish I</td>
</tr>
<tr>
<td>SPA 202</td>
<td>Intermediate Spanish II</td>
</tr>
<tr>
<td>MLG 102</td>
<td>World Languages: Elementary II</td>
</tr>
<tr>
<td>MLG 201</td>
<td>World Languages: Intermediate I</td>
</tr>
<tr>
<td>MLG 202</td>
<td>World Languages: Intermediate II</td>
</tr>
<tr>
<td>MLG 204</td>
<td>Heritage Language: Intermediate</td>
</tr>
<tr>
<td>CS 101</td>
<td>Introduction to Computing</td>
</tr>
<tr>
<td>CS 120</td>
<td>Software Design I</td>
</tr>
<tr>
<td>CT 100</td>
<td>Introduction to Computational Thinking</td>
</tr>
<tr>
<td>PHL 101</td>
<td>Introduction to Logic</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 150</td>
<td>College Algebra</td>
</tr>
<tr>
<td>or MTH 151</td>
<td>Precalculus</td>
</tr>
<tr>
<td>MTH 175</td>
<td>Applied Calculus</td>
</tr>
<tr>
<td>or MTH 207</td>
<td>Calculus I</td>
</tr>
<tr>
<td>MTH 208</td>
<td>Calculus II</td>
</tr>
<tr>
<td>MTH 265</td>
<td>Mathematical Models in Biology</td>
</tr>
</tbody>
</table>

**BIO 102** Contemporary Issues in Biological Sciences 3
ESC 211 Global Warming and Climate Change 3

**International and multicultural studies/self and society**

(Minimum of eight credits required; one course must be from the natural science section below.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST/PHY 155</td>
<td>Solar System Astronomy</td>
</tr>
<tr>
<td>AST/PHY 160</td>
<td>Stars, Galaxies and the Universe</td>
</tr>
</tbody>
</table>

**Liberal studies**

**Science: understanding the natural world**

(Minimum of eight credits required; one course must be from the natural science section below.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 102</td>
<td>Introduction to Physical Anthropology</td>
</tr>
<tr>
<td>BIO 103</td>
<td>Introductory Biology</td>
</tr>
<tr>
<td>or BIO 105</td>
<td>General Biology</td>
</tr>
<tr>
<td>CHM 100</td>
<td>Contemporary Chemistry</td>
</tr>
<tr>
<td>CHM 103</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>ESC 101</td>
<td>Earth Environments</td>
</tr>
<tr>
<td>MIC 100</td>
<td>Microbes and Society</td>
</tr>
<tr>
<td>PHY 103</td>
<td>Fundamental Physics I</td>
</tr>
<tr>
<td>PHY 106</td>
<td>Physical Science for Educators</td>
</tr>
<tr>
<td>PHY 125</td>
<td>Physics for the Life Sciences</td>
</tr>
<tr>
<td>PHY 203</td>
<td>General Physics I</td>
</tr>
<tr>
<td>AST/PHY 155</td>
<td>Solar System Astronomy</td>
</tr>
<tr>
<td>AST/PHY 160</td>
<td>Stars, Galaxies and the Universe</td>
</tr>
</tbody>
</table>

**Science, technology and society: emphasizing the role of applied science and technology as agents of change in society**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 102</td>
<td>Contemporary Issues in Biological Sciences</td>
</tr>
<tr>
<td>ESC 211</td>
<td>Global Warming and Climate Change</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 301</td>
<td>World Art</td>
</tr>
<tr>
<td>CHI 320</td>
<td>Introduction to Chinese Civilization</td>
</tr>
<tr>
<td>ECO 120</td>
<td>Global Macroeconomics</td>
</tr>
<tr>
<td>ENG 208</td>
<td>International Studies in Literature</td>
</tr>
<tr>
<td>ENV 201</td>
<td>Introduction to Environmental Studies</td>
</tr>
<tr>
<td>FRE 220</td>
<td>France and the Francophone World</td>
</tr>
<tr>
<td>GEO 110</td>
<td>World Cultural Regions</td>
</tr>
<tr>
<td>GEO 200</td>
<td>Conservation of Global Environments</td>
</tr>
<tr>
<td>HIS 101</td>
<td>Global Origins of the Modern World</td>
</tr>
<tr>
<td>or HIS 102</td>
<td>Global Transition and Change</td>
</tr>
<tr>
<td>MIC 130</td>
<td>Global Impact of Infectious Disease</td>
</tr>
<tr>
<td>MLG 304</td>
<td>Heritage Language: Advanced</td>
</tr>
<tr>
<td>MUS 201</td>
<td>Musical Cultures</td>
</tr>
<tr>
<td>MUS 204</td>
<td>Latin American Music: Its Context and Impact</td>
</tr>
<tr>
<td>PHL 336</td>
<td>International Multicultural Philosophy</td>
</tr>
<tr>
<td>PHY 142</td>
<td>Navigating Global Nuclear Issues</td>
</tr>
<tr>
<td>POL 234</td>
<td>Comparative Political Systems</td>
</tr>
<tr>
<td>PSY 282</td>
<td>Cross-Cultural Psychology</td>
</tr>
<tr>
<td>THA 351</td>
<td>World Theatre</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 101</td>
<td>Human Nature/Human Culture</td>
</tr>
<tr>
<td>ARC 100</td>
<td>Archaeology: Discovering Our Past</td>
</tr>
<tr>
<td>ART 302</td>
<td>Visual Language in the Global Classroom</td>
</tr>
<tr>
<td>CHE 200</td>
<td>Public Health for the Educated Citizen</td>
</tr>
<tr>
<td>CST 271</td>
<td>Contemporary Media in Everyday Life</td>
</tr>
<tr>
<td>ECO 110</td>
<td>Microeconomics and Public Policy</td>
</tr>
<tr>
<td>ENG 220</td>
<td>Women and Popular Culture</td>
</tr>
<tr>
<td>ERS 220</td>
<td>Ethnic and Racial Stereotyping in the Media</td>
</tr>
<tr>
<td>FIN 207</td>
<td>Personal Finance</td>
</tr>
<tr>
<td>GEO 102</td>
<td>Maps and Society</td>
</tr>
<tr>
<td>GER 398</td>
<td>German Thinkers and Popular Culture</td>
</tr>
<tr>
<td>POL 101</td>
<td>American National Government</td>
</tr>
<tr>
<td>POL 102</td>
<td>State and Local Government</td>
</tr>
<tr>
<td>PSY 100</td>
<td>General Psychology</td>
</tr>
<tr>
<td>SOC 110</td>
<td>The Social World</td>
</tr>
<tr>
<td>SOC 120</td>
<td>Social Problems</td>
</tr>
<tr>
<td>THA/ECO 376</td>
<td>Economics of Art and Entertainment</td>
</tr>
<tr>
<td>THA 130</td>
<td>Multicultural U.S. Plays: Acting the Text</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA 130</td>
<td>Multicultural U.S. Plays: Acting the Text</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA 130</td>
<td>Multicultural U.S. Plays: Acting the Text</td>
</tr>
</tbody>
</table>
### Degree requirements

**First year seminar**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>UWL 100</td>
<td>First Year Student Seminar</td>
<td>1</td>
</tr>
</tbody>
</table>

3. INS 250, INS 251 and INS 252 can satisfy this requirement if all three courses are completed successfully.

4. whichever not used above

**Humanistic studies and the arts**

(Minimum of nine credits required. One course must be from literature. Two courses must be from the arts: the aesthetic experience section, although no more than six credits may be from arts: the aesthetic experience.)

<table>
<thead>
<tr>
<th>Literature</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHI 305</td>
<td>Introduction to Modern Chinese Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 200</td>
<td>Literature and Human Experience</td>
<td>3</td>
</tr>
<tr>
<td>ENG 201</td>
<td>American Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 202</td>
<td>American Literature II</td>
<td>3</td>
</tr>
<tr>
<td>ENG 203</td>
<td>English Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 204</td>
<td>English Literature II</td>
<td>3</td>
</tr>
<tr>
<td>ENG 205</td>
<td>Western Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 206</td>
<td>Western Literature II</td>
<td>3</td>
</tr>
<tr>
<td>GER 399</td>
<td>German Literature in Translation</td>
<td>3</td>
</tr>
<tr>
<td>MLG 299</td>
<td>Foreign Literature in Translation</td>
<td>3</td>
</tr>
<tr>
<td>RUS 305</td>
<td>Golden Age Russian Literature and Culture</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Humanities</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 205</td>
<td>History of Ethical Values in World Religions</td>
<td>3</td>
</tr>
<tr>
<td>PHL 100</td>
<td>Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHL 200</td>
<td>Introduction to the Literature of Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>POL 251</td>
<td>Justice, Power, and Politics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Arts: the aesthetic experience**

| ART 102    | Art Appreciation                          | 2       |
| ART 160    | General Art Foundations                   | 3       |
| ART 172    | Photography Survey                        | 3       |
| ESS 104    | Dance Appreciation                        | 2       |
| MUS 105    | Music Appreciation                        | 2       |
| MUS 110    | The Listening Experience in Music         | 3       |
| MUS 317    | Musical Classroom                         | 3       |
| PHL 332    | Philosophy of the Arts                    | 3       |
| THA 110    | Theatre Appreciation                      | 2       |
| THA 120    | Acting for Non-Majors                     | 3       |
| THA 201    | Dramatic Literature and Theatre Arts      | 3       |

**Integrated studies minority cultures/multiracial women’s studies**

(Minimum of three credits required.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 336</td>
<td>Women in the U.S. Economy (ES)</td>
<td>3</td>
</tr>
<tr>
<td>EFN 205</td>
<td>Understanding Human Differences (ES)</td>
<td>3</td>
</tr>
<tr>
<td>ENG/ERS 207</td>
<td>Multicultural Literature of the United States (ES)</td>
<td>3</td>
</tr>
<tr>
<td>ENG/ERS 210</td>
<td>Literature of Black America (ES)</td>
<td>3</td>
</tr>
<tr>
<td>ENG/ERS 215</td>
<td>African American Authors (ES)</td>
<td>3</td>
</tr>
<tr>
<td>ERS 100</td>
<td>Introduction to Ethnic and Racial Studies (ES)</td>
<td>3</td>
</tr>
<tr>
<td>HIS 306</td>
<td>History of Ethnic America (ES)</td>
<td>3</td>
</tr>
<tr>
<td>HIS 336</td>
<td>Hispanics in the United States (ES)</td>
<td>3</td>
</tr>
<tr>
<td>MUS 209</td>
<td>History of Jazz Culture (ES)</td>
<td>3</td>
</tr>
<tr>
<td>PHL 335</td>
<td>Multicultural Philosophy in the United States (ES)</td>
<td>3</td>
</tr>
<tr>
<td>POL 205</td>
<td>Women and Politics (ES)</td>
<td>3</td>
</tr>
<tr>
<td>PSY 285</td>
<td>Culture and Mental Health: An Applied Perspective (ES)</td>
<td>3</td>
</tr>
<tr>
<td>PSY 318</td>
<td>Psychology of Women (ES)</td>
<td>3</td>
</tr>
<tr>
<td>SAH 307</td>
<td>Changing the Culture, Women in Science (ES)</td>
<td>3</td>
</tr>
<tr>
<td>SOC 225</td>
<td>Racial and Ethnic Minorities (ES)</td>
<td>3</td>
</tr>
<tr>
<td>WGS 100</td>
<td>Gender, Race and Class in American Institutions (ES)</td>
<td>3</td>
</tr>
<tr>
<td>WGS 210</td>
<td>Women’s Voices / Women’s Culture (ES)</td>
<td>3</td>
</tr>
<tr>
<td>WGS 230</td>
<td>Women’s Diversity: Race, Class, and Culture (ES)</td>
<td>3</td>
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</tbody>
</table>

**Health and well-being**

(One course required.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HED 207</td>
<td>Youth Health Issues</td>
<td>3</td>
</tr>
<tr>
<td>HPR 105</td>
<td>Creating A Healthy, Active Lifestyle</td>
<td>3</td>
</tr>
<tr>
<td>SAH 105</td>
<td>Analysis of Health, Wellness and Disease for the Health Care Consumer</td>
<td>3</td>
</tr>
</tbody>
</table>

**Two-semester sequence of courses**

(One two-semester sequence required.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 221 &amp; ACC 222</td>
<td>Accounting Principles I and Accounting Principles II</td>
<td>6</td>
</tr>
<tr>
<td>ART 162 &amp; ART 166</td>
<td>Drawing Foundations and Three Dimensional Foundations</td>
<td>6</td>
</tr>
<tr>
<td>BIO 312 &amp; BIO 313</td>
<td>Human Anatomy and Physiology I and Human Anatomy and Physiology II</td>
<td>8</td>
</tr>
<tr>
<td>CHM 103 &amp; CHM 104</td>
<td>General Chemistry I and General Chemistry II</td>
<td>10</td>
</tr>
<tr>
<td>CS 120 &amp; CS 220</td>
<td>Software Design I and Software Design II</td>
<td>8</td>
</tr>
<tr>
<td>ECO 110 &amp; ECO 120</td>
<td>Microeconomics and Public Policy and Global Macroeconomics</td>
<td>6</td>
</tr>
<tr>
<td>ENG 201 &amp; ENG 202</td>
<td>American Literature I and American Literature II</td>
<td>6</td>
</tr>
<tr>
<td>ENG 203 &amp; ENG 204</td>
<td>English Literature I and English Literature II</td>
<td>6</td>
</tr>
<tr>
<td>ENG 205 &amp; ENG 206</td>
<td>Western Literature I and Western Literature II</td>
<td>6</td>
</tr>
<tr>
<td>ESS 205 &amp; ESS 206</td>
<td>Human Anatomy and Physiology for Exercise Science I and Human Anatomy and Physiology for Exercise Science II</td>
<td>6</td>
</tr>
<tr>
<td>HIS 101 &amp; HIS 102</td>
<td>Global Origins of the Modern World and Global Transition and Change</td>
<td>6</td>
</tr>
<tr>
<td>MUS 201 &amp; MUS 202</td>
<td>Musical Cultures and Music History: 1600-1825</td>
<td>5</td>
</tr>
<tr>
<td>MUS 235 &amp; MUS 236</td>
<td>Music Theory I and Music Theory II</td>
<td>6</td>
</tr>
<tr>
<td>PHL 205 &amp; PHL 206</td>
<td>History of Philosophy I and History of Philosophy II</td>
<td>6</td>
</tr>
<tr>
<td>PHY 103 &amp; PHY 104</td>
<td>Fundamental Physics I and Fundamental Physics II</td>
<td>8</td>
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<tr>
<td>PHY 203 &amp; PHY 204</td>
<td>General Physics I and General Physics II</td>
<td>8</td>
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<tr>
<td>PSY 210 &amp; PSY 356</td>
<td>Developmental Psychology and The School-aged Child</td>
<td>6</td>
</tr>
<tr>
<td>Course Combination</td>
<td>Course Title</td>
<td>Credit Hours</td>
</tr>
<tr>
<td>--------------------------------------------------------</td>
<td>------------------------------------------------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>PSY 210 &amp; PSY 357</td>
<td>Developmental Psychology and Adolescence</td>
<td>6</td>
</tr>
<tr>
<td>PSY 210 &amp; PSY 358</td>
<td>Developmental Psychology and Adulthood</td>
<td>6</td>
</tr>
<tr>
<td>PSY 212 &amp; PSY 356</td>
<td>Lifespan Development and The School-aged Child</td>
<td>6</td>
</tr>
<tr>
<td>PSY 212 &amp; PSY 357</td>
<td>Lifespan Development and Adolescence</td>
<td>6</td>
</tr>
<tr>
<td>PSY 212 &amp; PSY 358</td>
<td>Lifespan Development and Adulthood</td>
<td>6</td>
</tr>
<tr>
<td>THA 250 &amp; THA 251</td>
<td>Theatre Studies I: Origins to the Middle Ages and Theatre Studies II: Renaissance Thru Mid 19th Century</td>
<td>6</td>
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<tr>
<td>THA 350 &amp; THA 351</td>
<td>Theatre Studies III: Realism to the Present and World Theatre</td>
<td>6</td>
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</tbody>
</table>

**Special degrees**

The awarding of a baccalaureate degree is the pinnacle of the undergraduate college experience. Occasionally events take place where the need to consider additional degree options arise in order to honor those who have provided exemplary service to the university or to extend sympathy and compassion to the families and friends of deceased students near completion of their degrees. UW-L has policies for awarding honorary, extraordinary, and posthumous degrees in recognition of these exceptional situations.

See the Special Baccalaureate Degrees (http://catalog.uwlax.edu/undergraduate/degreerequirements/Special_Degree_Options_Final.doc) document for UW-L’s specific policies and procedures.
College of Business Administration (CBA)

Dean - Bruce May
Associate Dean - Glenn Knowles
Assistant to the Dean - Amelia Dittman
Director MBA and International Programs - Martina Skobic
138 Wimberly Hall; 608.785.8090
www.uwlax.edu/ba

The College of Business Administration’s undergraduate and graduate (MBA) programs provide business education opportunities for students from across the state, the country, and the world. The undergraduate program primarily serves residential full-time students in a traditional campus learning environment. The MBA program was originally designed to serve working professionals in the region but has grown to accommodate international and domestic students who chose to attend on a full-time basis.

Departments/units (p. 58) Majors and minors (p. 58) Admission to business (p. 58)
CBA core requirements (p. 59) Internships (p. 60) CBA graduation requirements (p. 60)

Mission
“To provide students an exceptional business education that empowers them to serve organizations and communities as socially responsible citizens in a global environment.”

Vision
“To be recognized for quality as the leading business school among regional and state comprehensive universities.”

Values
- Teaching: highly effective and innovative teaching employing relevant curriculum.
- Scholarship: scholarship that advances discipline-based knowledge, best practices, and teaching pedagogy, each equally enriching student learning.
- Faculty: quality faculty who are accessible, responsive, and dedicated to student learning.
- Students: quality students who are actively engaged in their professional and personal development.
- Learning: a highly interactive learning environment that fosters strong relationships and student success.
- Global Engagement: global engagement and collaboration to increase international awareness and opportunities.
- High Standards: high standards that reflect best practices and ethical behavior, stimulate intellectual growth, and promote continuous improvement.
- Diversity: acceptance and respect for human and ideological differences.
- Sustainability: promotion of sustainable practices in the use of economic, ecological, and social resources.

- Service: service to the university, discipline, and community that promotes strong partnerships and advances professional and economic development.

Departments/units
- Accountancy
- Economics
- Finance
- Information Systems
- Management
- Marketing
- Small Business Development Center (http://www.uwlax.edu/sbdc)
- Center for Entrepreneurship, Sustainability and International Trade

Degrees offered
- Bachelor of Science
- Master of Business Administration (see graduate catalog)

Majors and minors
The following majors and minors are available:

B.S. = Bachelor of Science m = minor
- Accountancy (p. 60) (B.S., m)
- Business Administration (p. 62) (m) (not open to business majors)
- Economics (p. 63) (B.S., m)
- Finance (p. 64) (B.S.)
- Finance with Risk, Insurance, & Financial Planning Concentration (p. 64) (B.S.)
- Health Information Systems Management (p. 67) (m)
- Information Systems (p. 67) (B.S., m)
- International Business (p. 70) (B.S., m)
- Management (p. 72) (B.S.)
- Marketing (p. 74) (B.S.)
- Sustainable Business (p. 62) (m)

Advisor assignment
Students are assigned to faculty advisors in their declared major area. Advisors help students develop programs, plan schedules, discuss major and career choices, and refer for assistance in the case of academic difficulties. Students are required to meet with their faculty advisor at least once a semester.

The final responsibility for selecting courses and meeting graduation requirements rests with the student. Students should review course prerequisites by checking course descriptions in the appropriate listings of this catalog and consult with their faculty advisor and/or seek assistance from the dean’s office. The College of Business Administration offers additional program advising (http://www.uwlax.edu/ba/undergrad/advising/advising.htm).

Admission to the business program
Students who desire to major in business must be admitted to the business program in order to register for the professional, upper division (300/400 numbers) courses offered by the college. An application for admission (http://www.uwlax.edu/ba/undergrad/advising/precourse.htm) must be completed and approved by the dean prior to registration.
to the semester the student plans to enroll in upper division College of Business Administration course work.

Application forms for admission to the business program are obtained from the dean’s office in 138 Wimberly Hall, and may be submitted for either fall or spring semesters. Applications are due by mid-semester. Late applications may not be accepted. To avoid scheduling problems, pre-business students should work closely with their faculty advisors in order to complete the pre-business program within their freshman and sophomore years at UW-L. Students who undertake their freshman and sophomore years of study at another university should familiarize themselves with the college’s business requirements and the university’s general education program, and plan their program of study accordingly.

Admission to business requirements

1. "C" grades or higher earned (or in progress) in:
   - ACC 221 Accounting Principles I 3
   - ACC 222 Accounting Principles II 3
   - ECO 110 Microeconomics and Public Policy 3
   - ECO 120 Global Macroeconomics 3
   - BUS 205 The Legal & Ethical Environment of Business 3
   Total Credits 15

2. 54 credits or higher earned (or in progress).

3. Three of the following core courses completed (or in progress):
   - BUS 230 Business and Economics Research and Communication 3
   - ENG 110 College Writing I 3
   or ENG 112 College Writing AP (Advanced Placement) 3
   - IS 220 Information Systems for Business Management 4
   - MTH 145 Elementary Statistics 4
   - MTH 175 Applied Calculus 4-5
   or MTH 207 Calculus I
   Total Credits 18-19

4. Any remaining pre-business courses not taken prior to admission should be completed during the first semester after admission to the program.

5. Earn a 2.50 cumulative grade point at time of application. This includes courses taken at UW-La Crosse and elsewhere.

CBA core requirements

All students enrolled in any program within the college must complete the 15 business core courses listed below and all requirements for the major (see department listings). Courses numbered at the 100 and 200 level are considered pre-business courses.

- ECO 110 Microeconomics and Public Policy 3
- ECO 120 Global Macroeconomics 3
- BUS 205 The Legal & Ethical Environment of Business 3
- ACC 221 Accounting Principles I 3
- ACC 222 Accounting Principles II 3
- IS 220 Information Systems for Business Management 4
- BUS 230 Business and Economics Research and Communication 3
- ENG 110 College Writing I 3
or ENG 112 College Writing AP (Advanced Placement) 3

- MGT 308 Behavior and Theory in Organizations 3
- MKT 309 Principles of Marketing 3
- FIN 355 Principles of Financial Management 3
- MGT 393 Production and Operations Management 3
- MGT 449 Administrative Policy Determination 3
- MTH 145 Elementary Statistics 4
- MTH 175 or MTH 207 Applied Calculus 4-5
or MTH 207 Calculus I

Total Credits 48-49

A guide for sequencing business core requirements is as follows:

First year

- MTH 145 4
- MTH 175 or 207 4-5
- ECO 110 3
- ECO 120 3
- ENG 110 or 112 3

Total Credits 17-18

Sophomore year

- ACC 222 3
- BUS 205 3
- IS 220 4
- BUS 230 3

Admission to the business program is required prior to enrollment in the junior/senior level business courses.

Junior year

- MGT 308 3
- MGT 393 3
- MKT 309 3
- FIN 355 3

Students also will complete their business major requirements during their junior and senior years.

Senior year

- MGT 449 3

Total Credits: 48-49

1 These courses also will fulfill general education requirements.
2 Accountancy majors may complete in first year.
3 Taken final semester; requires completion of all other core requirements.

Second major in college of business administration

Business students may complete a second business major by completing all courses required for the second major as described in the catalog.
With the exception of economics, students may not use the same courses to fulfill both majors.

Business students seeking a second major or minor in liberal studies and science areas may do so by completing all requirements of the major or minor they elect, as stated in the catalog. Double counting courses in both majors, as appropriate, is allowed.

Scholarships
Scholarships are available to students who have demonstrated outstanding leadership qualities and have achieved scholastic excellence in the College of Business Administration program. Information may be obtained from the UW-La Crosse Foundation (http://www.foundation.uwlax.edu/content/scholarships/students) office in the Cleary Alumni and Friends Center.

Internships
Students may elect to take up to 15 College of Business Administration internship credits upon receiving approval of the department chair and dean; however, a maximum of six will be counted toward the 120 credits required for graduation. Internship credits may be applied toward fulfilling major requirements.

To be eligible for a College of Business Administration internship, a student must have a cumulative grade point of 2.50 or above and have completed the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 221</td>
<td>Accounting Principles I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 222</td>
<td>Accounting Principles II</td>
<td>3</td>
</tr>
<tr>
<td>BUS 205</td>
<td>The Legal &amp; Ethical Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 230</td>
<td>Business and Economics Research and</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Communication</td>
<td></td>
</tr>
<tr>
<td>ECO 110</td>
<td>Microeconomics and Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>ECO 120</td>
<td>Global Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 355</td>
<td>Principles of Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>IS 220</td>
<td>Information Systems for Business Management</td>
<td>4</td>
</tr>
<tr>
<td>MGT 308</td>
<td>Behavior and Theory in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>MKT 309</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

Graduation/degree requirements
Students seeking to graduate from the College of Business Administration must:

1. Fulfill the university’s general education requirements.
2. Achieve a minimum 2.00 grade point average in the business core and the business major.
3. Fulfill all other university general requirements.
4. Complete at least 50% of the business course requirements (core and major) in residence at UW-L.

All CBA students are expected to confirm their degree completion with the dean’s office before the start of their final semester.

Accountancy (ACC)

The Accountancy Program at UW-La Crosse is designed to provide students with a balanced approach of the practical and the theoretical, preparing students for not only their first job but their career. The success of the UW-La Crosse accountancy program is evidenced by the accomplishments of our alumni, the number of internship placements, and the performance of UW-La Crosse students on the CPA exam. During the 2012-2013 academic year, over 70 accountancy majors participated in well-paid internships. Essentially all UW-La Crosse accountancy graduates are placed in accountancy positions, with the lowest placement rate in the last nine years at 94 percent.

Wisconsin and Minnesota, along with most other states, require 150 credits as part of the CPA certification. UW-La Crosse offers a flexible approach to completing the 150 credits. A large number of UW-La Crosse students combine the accounting degree with another undergraduate specialty, such as finance. The advantage of this approach is that students can complete their degree, the 150 hours, and an internship in four-and-one-half years, graduating in December.

Credit by examination
The Department of Accountancy offers students the opportunity to attempt “credit by examination” for ACC 221 Accounting Principles I (3 cr.), ACC 222 Accounting Principles II (3 cr.), and ACC 235 Survey of Accounting (3 cr.). Information about the examination is available from the department chair.

Students in the College of Business Administration must be admitted to business (p. 58) and also complete the college core requirements.

Our people
Professor
Barbara Eide
Joe Kastantin
Ken Winter

Associate Professor
William Maas
Kris Rosacker
Robert Rosacker

Assistant Professor
Eddward Herron
Sergey Komissarov
Vivek Pande
Steve Thornburg

Senior Lecturer
Kimberly Lyons

Associate Lecturer
Julie Ancius
Mark Huesmann
Administrative Support
Deanna Wachter

Major
• Accountancy major - BS (p. 61)

Minor
• Accountancy minor (p. 62)

Accountancy Major - Bachelor of Science (BS)

UW-L accountancy majors have the technical knowledge and the practical experience that puts them in demand for both entry-level positions and throughout their careers. Internships are a big part of the practical experience opportunity. Career Services data (http://www.uwlax.edu/CareerServices/Annual_Report/annual_report.htm) shows that the Accountancy Program is usually the most active internship program at UW-L. Accountancy internships are well-paid.

To be eligible to become a Certified Public Accountant (CPA) requires the minimum of 150 credits and an undergraduate degree. UW-L’s undergraduate program allows students the flexibility to complete 150 credits, an internship, and an undergraduate degree in four-and-a-half years.

The Accountancy Program works closely with organizations and alumni to keep our program up-to-date. A byproduct of that work is a variety of scholarships for accountancy students. Be sure to apply at the UW-L Foundation as a new first year student and as a continuing student.

Major requirements

Admission

Admission to the College of Business Administration (p. 58)

The 300/400 level accountancy courses are open only to those students who have been admitted to the business program. Exceptions to this policy may be made only by the College of Business Administration dean. Students will be allowed to register for ACC 321 Intermediate Accounting I (4 cr.), without having been admitted to the business program.

Curriculum

(College of Business Administration)

28 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 321</td>
<td>Intermediate Accounting I</td>
<td>4</td>
</tr>
<tr>
<td>ACC 322</td>
<td>Intermediate Accounting II</td>
<td>3</td>
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<tr>
<td>ACC 325</td>
<td>Cost Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 327</td>
<td>Accounting Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>ACC 330</td>
<td>Individual Income Taxation</td>
<td>3</td>
</tr>
<tr>
<td>ACC 418</td>
<td>Business Law for Accountants</td>
<td>3</td>
</tr>
<tr>
<td>ACC 421</td>
<td>Advanced Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACC 438</td>
<td>Principles of Auditing</td>
<td>3</td>
</tr>
<tr>
<td>Plus three credits of ACC numbered higher than 321</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>28</td>
</tr>
</tbody>
</table>

1 Accountancy majors are allowed and encouraged to register for ACC 321 Intermediate Accounting I (4 cr.), before being admitted to the business program.

2 Except for ACC 350, ACC 450, and ACC 499

Additional requirements for accountancy majors:

• A cumulative grade point average of 2.50 in the accountancy major courses.
• Most states, including Wisconsin and Minnesota, require 150 college credits to sit for the CPA exam.

Degree requirements

All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• College core (p. 61)
• Baccalaureate degree requirements (p. 61)

CBA core requirements

All students enrolled in any program within the college must complete the 15 business core courses listed below and all requirements for the major (see department listings). Courses numbered at the 100 and 200 level are considered pre-business courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>ECO 110</td>
<td>Microeconomics and Public Policy</td>
<td>3</td>
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<td>ECO 120</td>
<td>Global Macroeconomics</td>
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</tr>
<tr>
<td>BUS 205</td>
<td>The Legal &amp; Ethical Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>ACC 221</td>
<td>Accounting Principles I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 222</td>
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<tr>
<td>IS 220</td>
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<tr>
<td>MTH 145</td>
<td>Elementary Statistics</td>
<td>4</td>
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<tr>
<td>MTH 175</td>
<td>Applied Calculus</td>
<td>4-5</td>
</tr>
<tr>
<td>or MTH 207</td>
<td>Calculus I</td>
<td></td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>48-49</td>
</tr>
</tbody>
</table>

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or
college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)

4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.

5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).

6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)

7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

### Accountancy Minor

(College of Business Administration)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 321</td>
<td>Intermediate Accounting I</td>
<td>4</td>
</tr>
<tr>
<td>Plus any three (3) additional three (3) credit accounting courses numbered 300 or above</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 13

1. Excluding ACC 350

### Business administration (BUS) Minors

• Business administration minor (non-CBA) (p. 62)

• Sustainable business minor (CBA) (p. 62)

### Business Administration Minor

**Minor requirements**

(All colleges, excluding the College of Business Administration)

34-36 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS 220</td>
<td>Information Systems for Business Management</td>
<td>4</td>
</tr>
<tr>
<td>ECO 110</td>
<td>Microeconomics and Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>ECO 120</td>
<td>Global Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ACC 221</td>
<td>Accounting Principles I</td>
<td>3</td>
</tr>
</tbody>
</table>

### Sustainable Business Minor

The **sustainable business minor** provides students with the opportunity to explore the relation between business and natural creation, maximizing good stewardship of natural resources, even while pursuing business objectives. The goal is to achieve what some call the "Triple Bottom Line:" Pursuing Profits, Protecting People, and Preserving the Planet.

**Minor requirements**

(College of Business Administration)

18 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 310</td>
<td>Principles of Sustainable Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 450</td>
<td>Business Sustainability Capstone</td>
<td>3</td>
</tr>
<tr>
<td>MGT 408</td>
<td>The Global Responsibility of Business</td>
<td>3</td>
</tr>
</tbody>
</table>

Select nine credits of approved electives:

At least three of the elective credits must be from the College of Business Administration course work. Select from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 346</td>
<td>Environmental and Ecological Economics</td>
<td></td>
</tr>
<tr>
<td>MGT 400</td>
<td>Management Forum (Topic: Green Operations)</td>
<td></td>
</tr>
<tr>
<td>MKT 351</td>
<td>Sustainability in Marketing</td>
<td></td>
</tr>
</tbody>
</table>

Remaining elective credits may be taken outside the CBA. Select from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 266</td>
<td>Anthropology of Food</td>
<td></td>
</tr>
<tr>
<td>ARC 300</td>
<td>Cultural Resources Management</td>
<td></td>
</tr>
<tr>
<td>ESC 211</td>
<td>Global Warming and Climate Change</td>
<td></td>
</tr>
<tr>
<td>ENV 201</td>
<td>Introduction to Environmental Studies</td>
<td></td>
</tr>
<tr>
<td>ENV 303</td>
<td>Issues in Environmental Studies</td>
<td></td>
</tr>
<tr>
<td>GEO 200</td>
<td>Conservation of Global Environments</td>
<td></td>
</tr>
<tr>
<td>HIS 317</td>
<td>American Environmental History</td>
<td></td>
</tr>
<tr>
<td>HIS 391</td>
<td>History of Environmental Policy in the United States</td>
<td></td>
</tr>
<tr>
<td>PHL 341</td>
<td>Environmental Ethics</td>
<td></td>
</tr>
<tr>
<td>POL 318</td>
<td>Environmental Politics and Policymaking</td>
<td></td>
</tr>
<tr>
<td>PSY 302</td>
<td>Environmental Issues: Applied Psychology</td>
<td></td>
</tr>
<tr>
<td>SOC 363</td>
<td>American Indians and the Environment</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 18

1. A grade of "C" or better is required.

Completion of six of the lower level courses is prerequisite for enrollment in upper level courses.
Economics (ECO)

The Economics major is offered through the College of Liberal Studies (p. 81) and through the College of Business Administration. The department is housed in the College of Business Administration.

College of Business Administration
Department Chair: Taggart Brooks
413A Wimberly Hall; 608.785.8424
Email: tbrooks@uwla.x.edu

http://www.uwlax.edu/ba/eco/

Why should a student major in economics when few graduates actually become professional economists? Job recruiters and graduate schools frequently seek economics majors because economics offers a way of thinking that is clear, concise and rigorous. Economics provides a solid background for many jobs and professions, preparing students for advancement in almost any professional career. The Department of Economics' mission is "to communicate the relevance of economics through innovative and cooperative teaching, scholarship and service."

The UW-La Crosse undergraduate program is extremely flexible and offers many options to accommodate a wide range of student interests.

Credit by examination:
The Department of Economics awards advance placement and/or credit by examination in ECO 110 Microeconomics and Public Policy (3 cr.) and ECO 120 Global Macroeconomics (3 cr.). Each examination will consist of multiple-choice items. Information about examinations is available through the department chair's office.

Students in the College of Business Administration must be admitted to business (p. 58) and also complete the college core requirements.

Our people
Professor
Donna Anderson
Michael Haupert
A. Wahhab Khandker

Associate Professor
Taggert J. Brooks
Lisa Giddings
Glenn Knowles
James Murray

Assistant Professor
Sheida Babakhani Teimouri
Nabamita Dutta
Mary Hamman
Adam Hoffer

John Nunley
Senior Lecturer
Amena Khandker
Elizabeth Knowles
Laurie Strangman

Associate Lecturer
Brenda Murray

Administrative Support
Mary Grattan

Major
• Economics major - BS (p. 63)

Minor
• Economics minor (p. 64)

Honors
• Economics honors program (p. 64)

Economics Major - Bachelor of Science (BS)

Major requirements
Admission to the College of Business Administration (p. 58)

(University of Wisconsin-La Crosse)
Select 21 credits in courses numbered 300 or above including the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 305</td>
<td>Intermediate Macroeconomic Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ECO 308</td>
<td>Intermediate Microeconomic Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 15 credits of electives ¹ 15

Total Credits 21

¹ Of the elective credits, three may be from any course in the College of Business Administration. The remainder must be course work offered by the economics department.

Courses taken to satisfy the major must be in addition to any courses taken to meet the College of Business Administration core requirements.

Degree requirements
All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• College core (p. 63)
• Baccalaureate degree requirements (p. 64)
CBA core requirements

All students enrolled in any program within the college must complete the 15 business core courses listed below and all requirements for the major (see department listings). Courses numbered at the 100 and 200 level are considered pre-business courses.

ECO 110  Microeconomics and Public Policy  3
ECO 120  Global Macroeconomics  3
BUS 205  The Legal & Ethical Environment of Business  3
ACC 221  Accounting Principles I  3
ACC 222  Accounting Principles II  3
IS 220  Information Systems for Business Management  4
BUS 230  Business and Economics Research and Communication  3
ENG 110  College Writing I  3
or ENG 112  College Writing AP (Advanced Placement)
MGT 308  Behavior and Theory in Organizations  3
MKT 309  Principles of Marketing  3
FIN 355  Principles of Financial Management  3
MGT 393  Production and Operations Management  3
MGT 449  Administrative Policy Determination  3
MTH 145  Elementary Statistics  4
MTH 175  Applied Calculus  4-5
or MTH 207  Calculus I

Total Credits: 48-49

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. 1 At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA 1 in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).) 1
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Economics Minor

(All colleges, excluding teacher certification programs)

18 credits

ECO 110  Microeconomics and Public Policy  3
ECO 120  Global Macroeconomics  3
Select 12 credits of electives in courses numbered 300 or above in economics  12
Total Credits: 18

Economics Honors Program

Program

1. Admission
   a. Junior Standing
   b. 12 credits in the major
   c. Filing a statement of intent with the department chair
   d. 3.25 cumulative grade point average in the major
   e. Recommendation by two faculty members in the major

2. Program
   a. Completion of the regular major program
   b. ECO 474 Economic Forum (1-3 cr.) (Honors Seminar) - three credits
   c. ECO 499 Independent Study (1-3 cr.) (Honors Paper) - one credit

3. Evaluation
   a. A cumulative 3.50 grade point average in the major at graduation
   b. Distinguished performance on a paper or project developed in ECO 499 Independent Study (1-3 cr.)
   c. Presentation of the paper or project to a colloquium of faculty and other honors students.

Finance (FIN)

College of Business Administration
Department Chair: Lise Graham
404A Wimberly Hall; 608.785.8115
Email: lgraham@uwla.edu
http://www2.uwlax.edu/finance/

The Department of Finance at UW-La Crosse allows many unique options that build on a strong fundamental program. The program provides a foundation in the primary financial areas: corporate finance, investments, and financial institutions. Students then have the flexibility to explore the basic areas in greater detail or to branch out in other financial areas such as international finance, real estate, financial planning or insurance. The department also offers a finance major with
a risk, insurance and financial planning emphasis for those particularly interested in that area.

The UW-La Crosse program relies upon the traditional approach including text based lectures, but also includes substantial incorporation of case studies, current journal articles, and informational services as resource materials. Students also have access to databases that contain current and historical stock prices, financial statements, and other information on publicly-traded firms. Students in investment courses manage simulated million dollar portfolios with advanced students managing real money. Students can take advantage of numerous internships that provide both college credit and personal experience in the finance area. The capstone course, taken during the senior year, gives students the opportunity to draw upon all of their training in finance while working on realistic finance problems.

Students in the College of Business Administration must be admitted to business (p. 58) and also complete the college core requirements.

Our people
Professor
William Colclough
Lise Graham
Rob Wolf

Associate Professor
Steve Tippens
Shane Van Dalsem

Assistant Professor
Nilakshi Borah
Nordia Thomas

Lecturer
Diana Tempski

Associate Lecturer
Curt Brye

Administrative Support
Maureen Spencer

Majors
- Finance major - BS (p. 65)
- Finance major: risk, insurance, and financial planning concentration - BS (p. 66)

Finance Major - Bachelor of Science (BS)
The Finance program at UW-La Crosse provides an excellent mix of theoretical and practical knowledge. Students are exposed to a variety of teaching methods, ranging from lectures and group discussions to problem-solving case analysis and independent studies. The program provides a foundation in the primary financial areas: corporate finance, investments, and financial institutions. Students then have the flexibility to explore the basic areas in greater detail or to branch out in other financial areas such as international finance, real estate, financial planning or insurance. The department also offers a finance major with a risk, insurance and financial planning emphasis for those particularly interested in that area.

A special program is designed to help students successfully complete the Level 1 examination of the Chartered Financial Analyst (CFA) program. Recently, the Spellman Fund, a student-managed investment portfolio, was initiated. Real money is invested in selected stocks and bonds recommended by students.

Major requirements
Admission to the College of Business Administration (p. 58)

(College of Business Administration)

21 credits

Core courses
FIN 370 Corporation Finance 3
FIN 380 Principles of Investment 3
FIN 390 Money and Capital Markets 3
FIN 485 Problems and Cases in Finance 3

Group I
Select one of the following: 3
FIN 362 Commercial Property/Liability Insurance and Risk Management
FIN 407 Advanced Financial Planning
FIN 410 Management of Financial Institutions
FIN 430 Financial Planning and Strategy
FIN 437 Financial Modeling
FIN 440 Multinational Financial Management
FIN 447 Advanced Financial Analysis
FIN 474 Equity Valuation
FIN 475 Investment Analysis and Portfolio Management
FIN 477 International Investments
FIN 480 Financial Management and Control

Group II
Select one of the following: 3
FIN 360 Principles of Insurance
FIN 456 Real Estate Principles
FIN 465 Health Care Financing
ECO 301 Money and Banking
ECO 305 Intermediate Macroeconomic Analysis
ECO 308 Intermediate Microeconomic Analysis
ECO 310 Managerial Economics
ACC 301 Taxation for Non-Accountants
ACC 321 Intermediate Accounting I
ACC 325 Cost Accounting
ACC 330 Individual Income Taxation
MGT 395 Management Science I
OR Any course listed in Group I

Group III
Select any course numbered 300 or higher which is offered through the College of Business Administration, including those listed in Group I and Group II.

| Total Credits | 21 |

### Degree requirements

All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 66)
- Baccalaureate degree requirements (p. 66)

### CBA core requirements

All students enrolled in any program within the college must complete the 15 business core courses listed below and all requirements for the major (see department listings). Courses numbered at the 100 and 200 level are considered pre-business courses.

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<td>ECO 110</td>
<td>Microeconomics and Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>ECO 120</td>
<td>Global Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>BUS 205</td>
<td>The Legal &amp; Ethical Environment of Business</td>
<td>3</td>
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<tr>
<td>ACC 221</td>
<td>Accounting Principles I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 222</td>
<td>Accounting Principles II</td>
<td>3</td>
</tr>
<tr>
<td>IS 220</td>
<td>Information Systems for Business Management</td>
<td>4</td>
</tr>
<tr>
<td>BUS 230</td>
<td>Business and Economics Research and Communication</td>
<td>3</td>
</tr>
<tr>
<td>ENG 110</td>
<td>College Writing I</td>
<td>3</td>
</tr>
<tr>
<td>or ENG 112</td>
<td>College Writing AP (Advanced Placement)</td>
<td></td>
</tr>
<tr>
<td>MGT 308</td>
<td>Behavior and Theory in Organizations</td>
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</tr>
<tr>
<td>MKT 309</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
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</tr>
<tr>
<td>MGT 393</td>
<td>Production and Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 449</td>
<td>Administrative Policy Determination</td>
<td>3</td>
</tr>
<tr>
<td>MTH 145</td>
<td>Elementary Statistics</td>
<td>4</td>
</tr>
<tr>
<td>MTH 175</td>
<td>Applied Calculus</td>
<td>4-5</td>
</tr>
<tr>
<td>or MTH 207</td>
<td>Calculus I</td>
<td></td>
</tr>
</tbody>
</table>

### Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

### Finance Major: Risk, Insurance, and Financial Planning Concentration - Bachelor of Science (BS)

UW-La Crosse is one of few campuses that offer a major in Finance with a Risk, Insurance, and Financial Planning concentration. Students who choose to specialize in this area learn about methods of treatment of risk and the mechanism of insurance as a means of handling major risks in a business. Students are also introduced to the primary components of financial planning.

Students specializing in this area of finance can obtain professional recognition of their qualification and training by passing the examinations for designation as a Chartered Life Underwriter (CLU), Chartered Property and Casualty Underwriter (CPCU), or Certified Financial Planner (CFP).

### Major requirements

Admission to the College of Business Administration (p. 58)

(College of Business Administration)

| 21 credits |

#### Core courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 360</td>
<td>Principles of Insurance</td>
</tr>
<tr>
<td>FIN 370</td>
<td>Corporation Finance</td>
</tr>
<tr>
<td>FIN 380</td>
<td>Principles of Investment</td>
</tr>
<tr>
<td>FIN 390</td>
<td>Money and Capital Markets</td>
</tr>
<tr>
<td>FIN 407</td>
<td>Advanced Financial Planning</td>
</tr>
<tr>
<td>FIN 460</td>
<td>Seminar in Risk and Insurance</td>
</tr>
<tr>
<td>or FIN 485</td>
<td>Problems and Cases in Finance</td>
</tr>
</tbody>
</table>

#### Elective course

Select one of the following:

| FIN 361 | Life Insurance | 3 |
candidates for the Bachelor of Arts or the Bachelor of Science degrees in business are considered pre-business courses. Courses numbered at the 100 and 200 level are considered pre-business courses.

All students enrolled in any program within the college must complete the college core requirements. All enrolled students have access to the AR. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

**Degree requirements**

All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 67)
- Baccalaureate degree requirements (p. 67)

**CBA core requirements**

All students enrolled in any program within the college must complete the 15 business core courses listed below and all requirements for the major (see department listings). Courses numbered at the 100 and 200 level are considered pre-business courses.

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<td>Calculus I</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 48-49

**Baccalaureate degrees**

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

**Information Systems (IS)**

**College of Business Administration**

Department Chair: Kuang-Wei Wen

241 Wing Technology Center; 608.785.6658

Email: kwen@uwln.edu

www.is.uwlax.edu

Information systems (IS) study is concerned with the planning, analysis, design, and implementation of information systems. Students develop and use computer-based information systems in business environments in preparation for careers in information technology related areas. Students in this program need to possess strong mathematics and logical reasoning skills. High school students planning collegiate programs in business, including information systems, should include advanced algebra/trigonometry or pre-calculus courses in their high school program.

**Students in the College of Business Administration must be admitted to business (p. 58) and also complete the college core requirements.**

**Our people**

**Department Chair - Professor**

Kuang-Wei Wen

**Associate Professor**

Hua Dai

Peter Haried

Kyung Hoon (Brian) Yang
Lecturer
David Annino

Administrative Support
Kathy Fontanini

Major

- Information systems - BS (p. 68)

Minors

- Information systems minor (CBA) (p. 69)
- Information systems minor (non-CBA) (p. 69)
- Health information systems management minor (CBA) (p. 70)
- Health information systems management (non-CBA) (p. 70)

Information Systems Major - Bachelor of Science (BS)

Information systems study centers on planning, analysis, design, and implementation of information systems that include technologies such as computer networks, e-commerce, and database applications. Students develop and use computer-based information systems in business environments in preparation for careers in information technology-related areas.

Students in the program need to possess strong mathematics and logical reasoning skills. High school students planning collegiate programs in business, including collegiate programs in information systems, should take algebra/trigonometry or pre-calculus courses in high school.

With solid coursework in the computer science area before entering the professional portion of the program, students develop a technical foundation to support their upper division curriculum.

As in all other business programs, IS students will complete an extensive array of courses in liberal arts and science, including courses in communication, humanities, multicultural issues, and social sciences.

The vast majority of IS majors participate in an internship experience in their junior or senior year. The internships earn university credit that applies to the major program. Most are paid and many lead to employment following graduation.

Major requirements

Admission to the College of Business Administration (p. 58)

(College of Business Administration)

29 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 120</td>
<td>Software Design I</td>
<td>4</td>
</tr>
<tr>
<td>CS 220</td>
<td>Software Design II</td>
<td>4</td>
</tr>
<tr>
<td>CS 364</td>
<td>Introduction to Database Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>IS 300</td>
<td>Information Systems Theory, Problem Solving, and Decision Making</td>
<td>3</td>
</tr>
<tr>
<td>IS 310</td>
<td>Information System in Networked Environments: Technical Foundations and Applications</td>
<td>3</td>
</tr>
<tr>
<td>IS 330</td>
<td>Business Choices and Telecommunications: Decision</td>
<td>3</td>
</tr>
</tbody>
</table>

Degree requirements

All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 68)
- Baccalaureate degree requirements (p. 68)

CBA core requirements

All students enrolled in any program within the college must complete the 15 business core courses listed below and all requirements for the major (see department listings). Courses numbered at the 100 and 200 level are considered pre-business courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 110</td>
<td>Microeconomics and Public Policy</td>
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</tr>
<tr>
<td>ECO 120</td>
<td>Global Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>BUS 205</td>
<td>The Legal &amp; Ethical Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>ACC 221</td>
<td>Accounting Principles I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 222</td>
<td>Accounting Principles II</td>
<td>3</td>
</tr>
<tr>
<td>IS 220</td>
<td>Information Systems for Business Management</td>
<td>4</td>
</tr>
<tr>
<td>BUS 230</td>
<td>Business and Economics Research and Communication</td>
<td>3</td>
</tr>
<tr>
<td>ENG 110</td>
<td>College Writing I</td>
<td>3</td>
</tr>
<tr>
<td>or ENG 112</td>
<td>College Writing AP (Advanced Placement)</td>
<td></td>
</tr>
<tr>
<td>MGT 308</td>
<td>Behavior and Theory in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>MKT 309</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>FIN 355</td>
<td>Principles of Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 393</td>
<td>Production and Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 449</td>
<td>Administrative Policy Determination</td>
<td>3</td>
</tr>
<tr>
<td>MTH 145</td>
<td>Elementary Statistics</td>
<td>4</td>
</tr>
<tr>
<td>MTH 175</td>
<td>Applied Calculus</td>
<td>4-5</td>
</tr>
<tr>
<td>or MTH 207</td>
<td>Calculus I</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 48-49
Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. \(^1\) At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA \(^1\) in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

\(^1\) Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Information Systems Minor

(All colleges, excluding College of Business Administration)

Admission and retention process

1. Provide a completed application form and a copy of your transcript to the IS office (Wing 240).
2. Have a declared major.
3. Have taken IS 220 Information Systems for Business Management (4 cr.) with a grade of "B" or better.
4. Have taken MTH 175 Applied Calculus (4 cr.) or MTH 151 Precalculus (4 cr.), or MTH 207 Calculus I (5 cr.) with a grade of "C" or better.
5. Have a minimum 2.50 cumulative GPA.

All students must meet prerequisite requirements for courses counting toward the minor. Required courses for any non-IS major cannot be counted as electives for the IS minor. Admissions are subject to an annual space limitation set by the department. If the number of qualified applications exceeds the annual space limitation, College of Business Administration majors must account for at least 60 percent of admitted applicants. Retention in the minor requires that CS 120 Software Design I (4 cr.) be taken no later than the first semester in the minor with a grade of "C" or better.

Curriculum

16 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 120</td>
<td>Software Design I</td>
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<tr>
<td>IS 300</td>
<td>Information Systems Theory, Problem Solving, and</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Decision Making</td>
<td></td>
</tr>
<tr>
<td>IS 310</td>
<td>Information System in Networked Environments:</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Technical Foundations and Applications</td>
<td></td>
</tr>
<tr>
<td>IS 401</td>
<td>Management Information Systems: Analysis and Design</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following: 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 327</td>
<td>Accounting Information Systems</td>
</tr>
<tr>
<td>IS 320</td>
<td>Computer-Based Decision Support Systems for</td>
</tr>
<tr>
<td></td>
<td>Management</td>
</tr>
<tr>
<td>IS 330</td>
<td>Business Choices and Telecommunications Decision</td>
</tr>
<tr>
<td>IS 360</td>
<td>Management of Information Technology</td>
</tr>
<tr>
<td>IS 410</td>
<td>Information Security Management</td>
</tr>
<tr>
<td>MGT 395</td>
<td>Management Science I</td>
</tr>
</tbody>
</table>

Total Credits 16

Information Systems Minor (Non-CBA)

(All colleges, excluding College of Business Administration)

Admission and retention process

1. Provide a completed application form and a copy of your transcript to the IS office (Wing 240).
2. Have a declared major.
3. Have taken IS 220 Information Systems for Business Management (4 cr.) with a grade of "B" or better.
4. Have taken MTH 175 Applied Calculus (4 cr.) or MTH 151 Precalculus (4 cr.), or MTH 207 Calculus I (5 cr.) with a grade of "C" or better.
5. Have a minimum 2.50 cumulative GPA.

All students must meet prerequisite requirements for courses counting toward the minor. Required courses for any non-IS major cannot be counted as electives for the IS minor. Admissions are subject to an annual space limitation set by the department. If the number of qualified applications exceeds the annual space limitation, College of Business Administration majors must account for at least 60 percent of admitted applicants. Retention in the minor requires that CS 120 Software Design I (4 cr.) be taken no later than the first semester in the minor with a grade of "C" or better.

Curriculum

26 or 29 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 120</td>
<td>Software Design I</td>
<td>4</td>
</tr>
</tbody>
</table>

Select one of the following: 3-6

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ACC 221</td>
<td>Accounting Principles I</td>
</tr>
<tr>
<td>&amp; ACC 222</td>
<td>and Accounting Principles II</td>
</tr>
<tr>
<td>ACC 235</td>
<td>Survey of Accounting</td>
</tr>
</tbody>
</table>
Complete the following:

ECO 110 Microeconomics and Public Policy 3
IS 220 Information Systems for Business Management 4
IS 300 Information Systems Theory, Problem Solving, and Decision Making 3
IS 310 Information System in Networked Environments: Technical Foundations and Applications 3
IS 401 Management Information Systems: Analysis and Design 3

Select one elective from the following: 3
ACC 327 Accounting Information Systems
IS 320 Computer-Based Decision Support Systems for Management
IS 330 Business Choices and Telecommunications Decision
IS 360 Management of Information Technology
IS 410 Information Security Management
MGT 395 Management Science I

Total Credits 26-29

Health Information Systems Management Minor

(College of Business Administration)

Admission process

To be considered for admission to the health information systems management minor, students must:

1. Complete and submit the application form, attach a copy of your unofficial transcript and submit to the IS department. Applications can be picked up in the IS department office, 240 Wing, or downloaded from the IS website: www.is.uwlax.edu.
2. Have a declared major.
3. Have a minimum 2.50 cumulative GPA.

Admissions are subject to an annual space limitation set by the department.

Curriculum

19 credits

HP 250 Medical Terminology for Health Professions 1
IS 220 Information Systems for Business Management 4
IS 321 Survey of Information Technology in Health Care 3
IS 340 Ethical Issues, Security Management and Compliance 3
IS 370 Health Care Systems: Analysis and Design 3
IS 420 Health Care Systems: Project Management 3
IS 435 Data Communications and Computer Networks in Health Care 3

Select one elective course from the following: 3
IS 320 Computer-Based Decision Support Systems for Management
IS 360 Management of Information Technology

Total Credits 19

International Business (IB)

The international business major at the University of Wisconsin-La Crosse was one of the first in the state with a focus on the global nature of business in the twenty-first century. The program was the outcome of an effort by faculty to address the long-term needs of businesses that operate in an international environment and also to contribute to students’ development as citizens of an increasingly “global” world.

Faculty in the College of Business Administration have the international orientation necessary to teach International Business. Many teaching in this program have extensive international experience and are fluent in non-English languages ranging from Italian to Chinese.

Students in the College of Business Administration must be admitted to business (p. 58) and also complete the college core requirements.

Major

• International business - BS (p. 71)

Minor

• International business minor (p. 72)
International Business Major - Bachelor of Science (BS)

Major requirements

Admission to the College of Business Administration (p. 58)

(College of Business Administration)

36 credits - This program also requires up to 16 credits for language proficiency, completion of the international business major requirements, a functional business concentration, and an international experience.

Language requirement

This major requires demonstrated proficiency at the intermediate level in a second language. This can be accomplished either by completing prescribed courses or by demonstrating proficiency as determined by the Department of Modern Languages. Language proficiency would generally be acquired through the study of a language up to and including the 202 level in Chinese, French, German, Russian, Spanish or any 202 level language with MLG prefix with grades of "C" or better in each course. Students whose native language is not English will meet this requirement through demonstrated proficiency via TOEFL or departmental exam.

Majors must also complete an out-of-country international experience of at least three weeks duration prior to graduation. The international experience must be pre-approved by the College of Business Administration International Business Advisory Committee. Students should apply for approval at least one semester before the planned experience. The advisory committee will determine the credit value of the experience. For non-U.S. based students, this requirement is met through non-U.S. based international experience.

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 71)
- Baccalaureate degree requirements (p. 71)

CBA core requirements

All students enrolled in any program within the college must complete the 15 business core courses listed below and all requirements for the major (see department listings). Courses numbered at the 100 and 200 level are considered pre-business courses.

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<tr>
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<th>Credits</th>
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</thead>
<tbody>
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<td>ECO 110</td>
<td>Microeconomics and Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>ECO 120</td>
<td>Global Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>BUS 205</td>
<td>The Legal &amp; Ethical Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>ACC 221</td>
<td>Accounting Principles I</td>
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<tr>
<td>IS 220</td>
<td>Information Systems for Business Management</td>
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</tr>
<tr>
<td>BUS 230</td>
<td>Business and Economics Research and Communication</td>
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</tr>
<tr>
<td>ENG 110</td>
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<tr>
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<td>Principles of Marketing</td>
<td>3</td>
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</tr>
<tr>
<td>or MTH 207</td>
<td>Calculus I</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 48-49

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)

4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.

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International Business Minor
(All colleges)

Students, especially non-business majors, must pay careful attention to the prerequisites for the professional business courses as stated in the course descriptions. Additional prerequisites total 18-24 credits.

21 credits

**Core**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT/ECO/GEO/HIS/POL/SOC 202</td>
<td>Contemporary Global Issues</td>
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</tr>
<tr>
<td>ECO 340</td>
<td>Introduction to International Economics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 440</td>
<td>Multinational Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 360</td>
<td>Global Perspective on Business</td>
<td>3</td>
</tr>
<tr>
<td>MKT 341</td>
<td>International Marketing</td>
<td>3</td>
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</table>

Select two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 405</td>
<td>The Law of International Business Transactions</td>
<td></td>
</tr>
<tr>
<td>ECO 311</td>
<td>Comparative Economic Systems</td>
<td></td>
</tr>
<tr>
<td>ECO 375</td>
<td>Economic Development</td>
<td></td>
</tr>
<tr>
<td>ECO 440</td>
<td>International Financial Economics</td>
<td></td>
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<tr>
<td>FIN 477</td>
<td>International Investments</td>
<td></td>
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<td>MGT 408</td>
<td>The Global Responsibility of Business</td>
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</tr>
<tr>
<td>MGT 430</td>
<td>Comparative Management Systems</td>
<td></td>
</tr>
<tr>
<td>MGT 431</td>
<td>Business, Labor and Human Rights</td>
<td></td>
</tr>
<tr>
<td>MGT 484</td>
<td>International Human Resource Management</td>
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<tr>
<td>MKT 440</td>
<td>Comparative Marketing Systems</td>
<td></td>
</tr>
<tr>
<td>MKT 445</td>
<td>International Marketing Strategies</td>
<td></td>
</tr>
</tbody>
</table>

In addition to the 21 credits required above, eight credits in modern language (one year in the same language) is required. This is waived for students whose native language is not English.

A maximum of three credits can be applied to a student’s College of Business Administration major.

**Management (MGT)**

**College of Business Administration**

Department Chair: William Ross
416A Wimberly Hall; 608.785.8110
Email: wross@uwlaus.edu

www.uwlax.edu/ba/mgt

The management major offered by the Department of Management at UW-La Crosse is a program carefully structured to meet the requirements of AACSB International of which UW-La Crosse is an accredited member. Approximately 25 percent of the schools of business in the U.S. hold this accreditation.

The program prepares students for a challenging career in for-profit and non-profit organizations. Working with this specialized group of faculty and staff, many of our students are well prepared in their mastery of technical business management and in their communications skills, their ability to work with others, confidence and willingness to accept leadership responsibilities, and respecting human differences. These professional and social skills can be further refined by participation in numerous professional student organizations at UW-La Crosse, including organizations in human resources management, international management, entrepreneurship, and more.

This major provides opportunities to develop skills and knowledge across a variety of areas of management. It also provides students with important exposure to matters of corporate social responsibility and ethics, the Principles of Responsible Management Education (http://www.unprme.org) and the UN Global Compact (http://www.unglobalcompact.org). The department also contributes courses for the interdisciplinary sustainable business minor, the international business minor, and the minor in business administration (for non-business majors).

Students in the College of Business Administration must be admitted to business (p. 58) and also complete the college core requirements.

**Our people**

**Professor**

William Ross

Andrew Stapleton
Associate Professor
Allan Macpherson
Assistant Professor
Nicole Gullekson
Christa Kiersch
Justin Kraemer
Henry Petersen
Kareem Shabana
Asa Wilson
Jonathan Ying
Lecturer
Gail Gillis
Associate Lecturer
Kelly Nowicki-Vanrooyen
Administrative Support
Lori Komarek

Major

• Management - BS (p. 73)

Management Major - Bachelor of Science (BS)

The management major provides students with coursework designed to help them to understand the purposes of business, how to manage ethically in today’s dynamic global business environment, and how to be effective leaders. To this end, the Management Department has identified the following learning outcomes for the major. Specifically, a management graduate should be able to:

1. Understand how domestic and global issues impact management practices.
2. Evaluate management practices and policies with regard to social responsibility and ethics.
3. Identify and recommend ways to influence individual and group behaviors in organizational situations.

Special interest areas
Consider using the following special areas to assist in selecting management electives:

Students interested in International Management may want to take some of the following courses:

• MGT 430 Comparative Management Systems

Students interested in Human Resource Management may want to take some of the following courses:

• MGT 303 Principles of Labor-Management Relations
• MGT 385 Human Resources: Employment
• MGT 386 Compensation and Benefits Administration
• MGT 483 Corporate Training
• MGT 485 Collective Bargaining
• MGT 486 Human Resources: Current Issues and Policies

Students interested in Organizational Behavior may want to take some of the following courses:

• MGT 300 Business Communications
• MGT 400 Management Forum
• MGT 412 Emergent Leadership and Team Development
• MGT 487 Male/Female Relationships-Business Environment

Students interested in Technology Management may want to take some of the following courses:

• MGT 395 Management Science I
• MGT 398 Total Quality Management
• MGT 399 Project Management: Planning, Scheduling, Executing, and Controlling
• MGT 428 Management of Technology and Innovation
• MGT 494 Business Process Reengineering

Major requirements

(College of Business Administration)

Admission

Admission to the College of Business Administration (p. 58)

300/400 level management courses are open only to those students who have been admitted to the business program and students in business-related programs for which such a course is specifically required. Exceptions to this policy may be made only by the College of Business Administration dean.

Curriculum

24 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGT 328</td>
<td>Principles of Management Thought</td>
<td>3</td>
</tr>
<tr>
<td>MGT 360</td>
<td>Global Perspective on Business</td>
<td>3</td>
</tr>
<tr>
<td>MGT 408</td>
<td>The Global Responsibility of Business</td>
<td>3</td>
</tr>
<tr>
<td>Select 15 credits from any 300/400 level MGT course or any of the following non-MGT courses. At least nine of the 15 elective credits should be 400 level courses:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUS 305</td>
<td>Business Law</td>
<td></td>
</tr>
<tr>
<td>BUS 310</td>
<td>Principles of Sustainable Business</td>
<td></td>
</tr>
<tr>
<td>BUS 405</td>
<td>The Law of International Business Transactions</td>
<td></td>
</tr>
<tr>
<td>BUS 415</td>
<td>Current Topics in Law</td>
<td></td>
</tr>
</tbody>
</table>
must accomplish the following:

Candidates for the Bachelor of Arts or the Bachelor of Science degrees
are considered pre-business courses. Courses numbered at the 100 and 200 level
15 business core courses listed below and all requirements for the major
All students enrolled in any program within the college must complete the
CBA core requirements
(see department listings). Courses earned at the 100/200 level
that transferred to UW-L as 300/400 level courses do not apply to
this requirement nor do courses from two-year schools.

Degree requirements

All students must complete the general education, college core, major/
minor, and university degree requirements in order to qualify for a
degree. The easiest way to track all of these requirements is to refer to
the Advisement Report (AR) found in the Student Information System
(WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 74)
- Baccalaureate degree requirements (p. 74)

CBA core requirements

All students enrolled in any program within the college must complete the
15 business core courses listed below and all requirements for the major
(see department listings). Courses numbered at the 100 and 200 level
are considered pre-business courses.

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Total Credits 48-49

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees
must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum
   Committee for the degree desired in the respective school or
college. (No substitutions for graduation may be made in course
requirements for a major or minor after the fourth week of the last
semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00
cumulative GPA. At least 40 credits must be earned in 300/400
(senior college) level courses. Courses earned at the 100/200 level
that transferred to UW-L as 300/400 level courses do not apply to
this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00
GPA in each major and minor (and concentration or emphasis, if
selected).
6. A minimum of 30 semester credits in residence at UW-L is required
for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS
Student Center as soon as the student has registered for his or her
final semester or summer term in residence. December and winter
intersession graduates should file by May 1. May and summer
graduates should file by December 1.

1 Grade point average requirements for some programs will be
considerably higher than 2.00. Re-entering students may be required
to earn credits in excess of the 120 needed for graduation in any
curriculum in order to replace credits earned in courses in which the
content has changed substantially in recent years. Each case will be
judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and
recorded within 30 days after the official ending date of each term.

Marketing (MKT)

College of Business Administration
Department Chair: Gwen Achenreiner
316 Wimberly Hall; 608.785.8118
Email: gachenreiner@uw lax.edu

www.uwlax.edu/ba/mkt

Marketing offers challenges, stimulating problems, working with people
and unlimited advancement opportunities. The variety and number of
career and job opportunities available to you upon graduation is
impressive.

According to the Occupational Outlook Handbook, employment of
advertising, marketing, promotions, public relations and sales managers
is expected to increase through 2018. “Job growth will be spurred by
competition for a growing number of goods and services, both foreign
and domestic, and the need to make one’s product or service stand
out.” In addition, as the influence of social media, the Internet and
advertising via wireless devices changes the promotional landscape,
marketing professionals will need to develop new and innovative ways
to advertise and promote products and services to better reach desired
market segments.

Positions in marketing provide excellent training because of the
knowledge of products and consumers gained in these jobs. Due to
their importance and high visibility, managers in marketing positions
often are prime candidates for advancement to the highest levels in an
organization.

1 Beyer, Gregory, "A Career in Marketing/Advertising. " Wall Street
2 Occupational Outlook Handbook, 2010-2011
Students in the College of Business Administration must be admitted to business (p. 58) and also complete the college core requirements.

Our people

Professor
Gwen Achenreiner
Steve Brokaw
James Finch

Assistant Professor
Elizabeth Crosby
Maggie McDermott
Kristy McManus

Senior Lecturer
Joe Chilsen

Associate Lecturer
Barbara Larsen
Susan Whitewater

Administrative Support
Susan Hengel

Major

• Marketing - BS (p. 75)

Marketing Major - Bachelor of Science (BS)

“For every store window you browse, website banner you click on, or TV commercial you watch, there’s someone behind the scenes who’s manipulated these media in an attempt to win your business.”

The Department of Marketing faculty at UW-La Crosse considers the educational, personal, and professional development of marketing students to be their number one priority. The Department of Marketing is dedicated to providing an in-depth understanding of marketing activity, in both domestic and international settings. Graduates are prepared to enter a variety of marketing related positions upon graduation. Students in this major are presented with opportunities to more fully develop and explore their specific marketing and career interests while progressing through their course work.

300/400 level marketing courses are open only to those students who have been admitted to the business program and students in business-related programs for which such a course is specifically required. Exceptions to this policy may be made only by the College of Business Administration dean.

Curriculum

24 credits

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<tr>
<td>MKT 362</td>
<td>Buyer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MKT 365</td>
<td>Promotions and Advertising Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 367</td>
<td>Market Research</td>
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<tr>
<td>MKT 370</td>
<td>Professional Selling and Sales Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 386</td>
<td>Industrial Marketing and Transportation</td>
<td>3</td>
</tr>
<tr>
<td>MKT 415</td>
<td>Senior Seminar</td>
<td>3</td>
</tr>
<tr>
<td>MKT 479</td>
<td>Marketing Management</td>
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</tr>
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Total Credits: 24

Degree requirements

All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• College core (p. 75)
• Baccalaureate degree requirements (p. 75)

CBA core requirements

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Total Credits: 48-49

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
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No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.
College of Liberal Studies (CLS)

Dean - Ruthann Benson
Associate Deans - Charles Martin-Stanley, Julia Johnson
235 Morris Hall; 608.785.5454

Assistant to the Dean: Sandy Keller
Academic Advisers: Kathy Elgin, Peter Stovall, Timothy Walls
260 Morris Hall; 608.785.5454

www.uwlax.edu/cls

Department/units (p. 77) Majors and minors (p. 77) CLS core requirements (p. 78)
CLS graduation requirements (p. 79)

The College of Liberal Studies (CLS) includes departments and programs in the humanities, social sciences, and interdisciplinary studies, as well as the School of Arts and Communication (p. 218). CLS continues the established liberal studies tradition of providing many curricula leading to the Bachelor of Arts or the Bachelor of Science degree.

CLS is dedicated to providing quality instruction and learning experiences which prepare students for future education or careers and meaningful, responsible lives by fostering a climate of intellectual curiosity and creativity. Graduates of the college will have developed the ability to communicate effectively, to think critically, to conduct sound research, to understand global issues, to use knowledge in all aspects of life, to participate meaningfully as citizens, and to discover and apply worthwhile values.

CLS faculty and staff are committed to maintaining academic integrity and high ethical standards. CLS, through its faculty, students, and curricula, also is dedicated to advancing cultural diversity. Furthermore, by developing partnerships and encouraging professional connections, the college establishes its membership in the broader community.

The academic community within the College of Liberal Studies supports a strong general education program, nurtures exceptional disciplinary programs, and creates innovative interdisciplinary and international programs, which together promote lifelong personal and professional learning.

Programs in the humanities, social sciences, and interdisciplinary studies

At the heart of the College of Liberal Studies are the departments which teach the humanities and social sciences. These departments have traditionally represented the cornerstone disciplines of a university. They offer essential experiences that prepare students for lifelong learning. Courses in the humanities and social sciences introduce students to cultural, ethnic, and racial diversity; international dimensions of politics, economics, language, and culture; social institutions and social interactions; theories and applications of human behavior; and the great writing that develops and explores these realms of knowledge.

All students at UW-L take courses in the humanities and social sciences. The skills that are built are those that enable students to proceed with effective and efficient learning.

Courses in the humanities and social sciences provide individuals with solid reading and writing abilities, an understanding of cultural diversity, critical thinking and problem-solving skills, the ability to integrate and synthesize ideas, and a sense of personal responsibility. Courses in these disciplines help individuals learn from the past, explore the present and adapt to the future. The liberal studies program is designed to be an enriching experience that produces a well-rounded individual.

The humanities are taught in the Departments of English, Modern Languages, History, and Philosophy. The social sciences are taught in the Departments of Political Science and Public Administration, Psychology, and Sociology/Archaeology. The College of Liberal Studies also offers interdisciplinary opportunities in the Departments of Military Science (ROTC) and Women’s, Gender, and Sexuality Studies, as well as in child youth care, criminal justice, environmental studies, international studies, and ethnic and racial studies programs. Interdisciplinary studies combine courses from various humanities, social science, and arts and communication disciplines.

Departments/units

• Art
• Communication Studies
• English
• Ethnic and Racial Studies
• History
• Military Science
• Modern Languages
• Music
• Philosophy
• Political Science and Public Administration
• Psychology
• Sociology and Archaeology
• Student Affairs Administration (graduate only)
• Theatre Arts
• Women’s, Gender, and Sexuality Studies

Degrees offered

• Bachelor of Arts
• Bachelor of Science
• Master of Science in Education (see graduate catalog)
• Education Specialist (see graduate catalog)

MAJORS AND MINORS

(See the School of Arts and Communication (p. 218) for majors, minors, and emphases in art, communication studies, music, theatre arts, and the teacher education programs in these areas.)

B.A. = Bachelor of Arts B.S. = Bachelor of Science m = minor

• Archaeological Studies (p. 198) (B.A., B.S., m)
• Anthropology (p. 198) (m)
• At-Risk Child & Youth Care (p. 79) (m)
• Chinese Studies (p. 147) (m)
• Creative Writing (p. 85) (m)
• Criminal Justice (p. 198) (m)
• Economics (p. 81) (B.A., B.S., m)
• Economics Education (p. 81) (m)
• English Literature (p. 85) (m)
• English w/Literature Emphasis (p. 85) (B.A.)
• English w/Rhetoric and Writing Emphasis (p. 85) (B.A.)
• English Education (p. 85) (B.S., m)
• Environmental Studies (p. 98) (m)
• Ethnic and Racial Studies (p. 99) (m)
• French (p. 147) (B.A., m)
• French w/Business Concentration (p. 147) (B.A.)
• French Education (p. 147) (B.S., m)
• German Studies (p. 147) (B.A., m)
• German w/Business Concentration (p. 147) (B.A.)
• German Studies Education (p. 147) (B.S., m)
• History (p. 101) (B.A., B.S., m)
• History w/ Regional Emphasis (p. 101) (B.A., B.S., m)
• History w/ Topical Emphasis (p. 101) (B.A., B.S., m)
• History Education (p. 101) (B.S., m)
• International Studies (p. 126) (m)
  • Asian Emphasis (m)
  • European Emphasis (m)
  • Latin American Emphasis (m)
  • Middle East Emphasis (m)
• Military Science (p. 146) (m)
• Philosophy (p. 172) (B.A., B.S., m)
• Political Science (p. 175) (B.A., B.S., m)
• Political Science Education (p. 175) (B.S., m)
• Professional and Technical Writing (p. 85) (m)
• Psychology (p. 188) (B.A., B.S., m)
• Psychology Education (p. 188) (m)
• Public Administration (p. 175) (B.A., B.S., m)
• Social Studies (B.S.) (Broad Field Option A or Option B open to Early Adolescence-Adolescence teacher certification program only)
• Sociology (p. 198) (B.A., B.S., m)
• Sociology Education (p. 198) (B.S., m)
• Spanish (p. 147) (B.A., m)
• Spanish w/Business Concentration (p. 147) (B.A.)
• Spanish Education (p. 147) (B.S., m)
• Teaching English to Speakers of Other Languages (p. 147) (m)
• Teaching English to Speakers of Other Languages Education (p. 147) (m)
• Women’s Studies (p. 212) (B.A., B.S., m)

Emphases/Programs
• Gerontology (p. 100)

Certificate Programs
• French Studies (p. 147)
• Russian Studies (p. 147)

Dual Degree Program
• Psychology/Occupational Therapy (p. 188)

Advising
All students in the College of Liberal Studies who have declared majors are assigned to faculty advisors. Advisors provide guidance and assistance to develop plans for post-college experiences. Students and their advisors are provided with Advisement Reports (AR) that assist them in monitoring progress toward meeting degree requirements. Degrees are verified in the dean’s office. Students are encouraged to come to the office to review progress toward the degree during their junior year.

CLS Bachelor of Arts core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track

1. Native speakers of English complete:
   Select one of the following:
   - CHI 202 Intermediate Chinese II
   - FRE 202 Intermediate French II
   - GER 202 Intermediate German II
   - RUS 202 Intermediate Russian II
   - SPA 202 Intermediate Spanish II
   - MLG 202 World Languages: Intermediate II
   - MLG 204 Heritage Language: Intermediate
   - MLG 304 Heritage Language: Advanced

Non-native speakers of English: score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university’s English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations); and

2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.
B. Humanities track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

C. Fine arts track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

CLS Bachelor of Science core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core %20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).

Bachelor of Science students complete four courses outside the department of the student’s major as follows:

1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 339); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Graduation/degree requirements

A student in the College of Liberal Studies may earn either the Bachelor of Arts (B.A.) or the Bachelor of Science (B.S.) degree. The type of degree earned by a student (B.A. or B.S.) may be determined by the major programs elected by the student. All general university degree requirements must be met: a minimum of 120 credits (40 of which must be 300/400 numbered courses), general education program requirements, college core requirements, and major program requirements.

Child/Youth Care (CYC)

College of Liberal Studies
Coordinator: Lisa Caya
331C Graff Main Hall; 608.785.6895
E-mail: lcaya@uwlax.edu

www.uwlax.edu/psychology/cyc

The at-risk child and youth care minor is a multidisciplinary program designed to provide students with knowledge and skills necessary to promote the well being of all children and adolescents. Special attention is given to vulnerable/at-risk populations within the context of the family, the community, and the life span. The minor assists students who upon graduation may work within a wide variety of settings including: early child care and education, community-based and youth development programs, parent education and family support, school based programs, community mental health, group homes, residential centers, day and residential treatment, early intervention, home-based care and treatment, psychiatric
centers, rehabilitation programs, pediatric health care, and juvenile justice programs.

Students who complete the minor are expected to be able to:
• Identify the role of individual and family factors associated with at-risk children
• Differentiate typical from atypical human development
• Apply theories, concepts and research findings to promote child well-being
• Identify the purpose and structure of community and government systems in promoting and advocating for child well-being

Our people
Program Coordinator
Lisa Caya, Psychology
E-mail: lcaya@uw腋.edu

Advisors
Linda Dickmeyer, Communication Studies
Guy Herling, SAH
Sandy Keller, CLS
Marcie Wycoff-Horn, SOE
William Zollweg, Sociology and Archeology

Minor
• At-risk child and youth care minor (p. 80)

At-Risk Child and Youth Care Minor

Minor requirements
(All colleges)
21-30 credits (depending on major)
• Psychology majors: 12 credits may count in both major and minor
• Therapeutic recreation majors: 10 credits may count in both major and minor
• All other majors: six credits may count in both major and minor if courses from the major are included in the CYC listings.

Category I: Core
CYC 301 Overview of Child and Youth Care \(^1\) 3
CYC 310 Social Policy for Children and Families 3
CYC 495 Capstone in Child Youth Care 3

Category II: Internship
CYC 450 Internship in Child/Youth Care \(^2\) 3

Category III: Human development
PSY 212 Lifespan Development (or PSY 210 for PSY majors) 3

Special populations development:
Select one of the following (each of which have a prerequisite of PSY 212 or PSY 210):
PSY 355 Infancy and Early Childhood

Category IV: Family dynamics
Select one of the following: 3
CST 336 Family Communication
CYC 411 Family Systems Theory
SOC 212 Marriage and Family

Category V: Application skills
Select one of the following: 3
CST 230 Interpersonal Communication
CST 330 Nonverbal Communication
CST 354 Health Communication
CST 365 Communication in Teams
or PSY 343 Group Dynamics
or SOC 334 Sociology of Small Groups
CST 380 Communicating Leadership
PSY 315 Behavior Modification
PSY 347 Empathic Listening Skills
RTH 470 Facilitation Techniques in Therapeutic Recreation
RTH 474 Experiential Education: Facilitation Techniques in Ropes Course
RTH 483 Leisure Counseling in Therapeutic Recreation

Category VI: Youth at risk
Select six credits from at least two different subcategories (see below) 6

Total Credits 30

1 A grade of "B" or better in PSY 210 or PSY 212 and an overall credit level of 75 or fewer credits is required in order to enroll in CYC 301.
2 Can also be satisfied by other departmental internships with a Child Youth Care component - CEI 450, CST 450, HED 495/CHE 498 (if done with pediatric population), PSY 450, REC 450, RTH 498, SOC 450 if it has a vulnerable and at-risk child/youth focus.

Subcategories:
Alcohol and drug abuse
HED 469 Drugs, Society and Human Behavior 3
PSY 426 Addictive Behaviors 3
SOC 326 Sociopharmacology 3

Child welfare
HED 207 Youth Health Issues 3
HED 417 Understanding Child Abuse 1
HED 422 Sexual Abuse of Children 1
RTH 330 Therapeutic Recreation and Mental Health 2
RTH 400 Child Life Theory and Practice 3
RTH 401 Child Life Facilitation of Psychosocial Support 2
WGS/HIS 376 History of Childhood in the United States 3

Disabilities
ESS 231 Introduction to Adapted Physical Education 3

Mental health & youth at risk behaviors
HED 345 Issues in Mental and Emotional Health 3
HED 425 Violence and Injury Prevention 3
PSY 417 Child and Adolescent Psychopathology 3
Economics (ECO)

The Economics major is offered through the College of Liberal Studies and through the College of Business Administration. The department is housed in the College of Business Administration (p. 63).

College of Business Administration
Department Chair: Taggert Brooks
413A Wimberly Hall; 608.785.8424
Email: tbrooks@uwlaex.edu

http://www.uwlax.edu/ba/eco/

Our people

Professor
Donna Anderson
Michael Haupert
A. Wahhab Khandker

Associate Professor
Taggert Brooks
Lisa Giddings
Glenn Knowles
James Murray

Assistant Professor
Sheida Babakhani Teimouri
Nabamita Dutta
Mary Hamman
Adam Hoffer
John Nunley

Senior Lecturer
Amena Khandker
Elizabeth Knowles
Laurie Strangman

Associate Lecturer
Brenda Murray

Administrative Support
Mary Grattan

Majors

• Economics major - BA (p. 81)
• Economics major - BS (p. 83)
• Social studies education (broad field) major (early adolescence-adolescence certification) (p. 84)

Minors

• Economics minor (p. 85)
• Economics education minor (early adolescence-adolescence certification) (p. 85)

Honors

• Economics honors program (p. 85)

Economics Major - Bachelor of Arts (BA)

Major requirements

(All colleges, excluding College of Business Administration and teacher certification programs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 110</td>
<td>Microeconomics and Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>ECO 120</td>
<td>Global Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 305</td>
<td>Intermediate Macroeconomic Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ECO 308</td>
<td>Intermediate Microeconomic Analysis</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select a research methods course from the following:</td>
<td>3</td>
</tr>
<tr>
<td>BUS 230</td>
<td>Business and Economics Research and Communication</td>
<td></td>
</tr>
<tr>
<td>ECO 307</td>
<td>Intro to Econometrics, Forecasting &amp; Time Series</td>
<td></td>
</tr>
<tr>
<td>MTH 405</td>
<td>Statistical Methods</td>
<td></td>
</tr>
<tr>
<td>POL 361</td>
<td>Research Methods in Politics and Government</td>
<td></td>
</tr>
<tr>
<td>PSY 420</td>
<td>Advanced Research Methods</td>
<td></td>
</tr>
<tr>
<td>SOC 350</td>
<td>Methods of Social Research II (MTH 145 is required)</td>
<td></td>
</tr>
</tbody>
</table>

Select 18 credits of electives 1

Total Credits 33

1 At least 12 credits of these electives must be taken in economics courses numbered 300 or above. Up to six credits of electives may be taken from MTH 207 Calculus I (5 cr.), MTH 208 Calculus II (4 cr.), MTH 245 Probability and Statistics (4 cr.) MTH 309 Linear Algebra with Differential Equations (4 cr.); POL 211 Introduction to Public Administration (3 cr.), POL 313 Public Policy (3 cr.), POL 330 Politics of Developing Areas (3 cr.), POL 353 Modern and Contemporary Political Philosophy (3 cr.); and any course numbered 200 or greater offered by a department in the College of Business Administration.

College of Business Administration students may also select this as a second major by meeting the above requirements.

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.
A. Language track

1. Native speakers of English: complete:
   - Select one of the following:
     - CHI 202 Intermediate Chinese II
     - FRE 202 Intermediate French II
     - GER 202 Intermediate German II
     - RUS 202 Intermediate Russian II
     - SPA 202 Intermediate Spanish II
     - MLG 202 World Languages: Intermediate II
     - MLG 204 Heritage Language: Intermediate
     - MLG 304 Heritage Language: Advanced

2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

Non-native speakers of English: score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university’s English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations); and

B. Humanities track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

C. Fine arts track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter...
intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Economics Major - Bachelor of Science (BS)

Major requirements
(All colleges, excluding College of Business Administration and teacher certification programs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
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<td>3</td>
</tr>
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</tr>
<tr>
<td>ECO 305</td>
<td>Intermediate Macroeconomic Analysis</td>
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<td>ECO 308</td>
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<tr>
<td>BUS 230</td>
<td>Business and Economics Research and Communication</td>
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<tr>
<td>MTH 405</td>
<td>Statistical Methods</td>
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<td>POL 361</td>
<td>Research Methods in Politics and Government</td>
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Select 18 credits of electives 1

Total Credits 33

1 At least 12 credits of these electives must be taken in economics courses numbered 300 or above. Up to six credits of electives may be taken from MTH 207 Calculus I (5 cr.), MTH 208 Calculus II (4 cr.), MTH 245 Probability and Statistics (4 cr.) MTH 309 Linear Algebra with Differential Equations (4 cr.); POL 211 Introduction to Public Administration (3 cr.), POL 313 Public Policy (3 cr.), POL 330 Politics of Developing Areas (3 cr.), POL 353 Modern and Contemporary Political Philosophy (3 cr.); and any course numbered 200 or greater offered by a department in the College of Business Administration.

College of Business Administration students may also select this as a second major by meeting the above requirements.

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 83)
- Baccalaureate degree requirements (p. 83)

**CLS Bachelor of Science core requirements**

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics-Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2).

Bachelor of Science students complete four courses outside the department of the student’s major as follows:

1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 339); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.
Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA.¹ At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA¹ in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

¹ Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Social Studies Education (Broad field) major (Early Adolescence-Adolescence Certification) - BS

Major requirements

Admission requirements for STEP Program (p. 403)
(Teacher certification program: early adolescence-adolescence)

54-64 credits

Choose either Option A (content major) or Option B (content minor) below:

Option A (content major) 57-64 credits

37-44 credit major in geography education, history education, political science education, or sociology education
20 credits, with a minimum of three credits, from any two of the following areas outside of the major:

<table>
<thead>
<tr>
<th>Economics</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geography</td>
<td></td>
</tr>
<tr>
<td>History</td>
<td></td>
</tr>
</tbody>
</table>

Option B (content minor) 54-60 credits

18-24 credit minor in one of the following:

<table>
<thead>
<tr>
<th>Economics Education</th>
<th>18</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geography Education</td>
<td></td>
</tr>
<tr>
<td>History Education</td>
<td></td>
</tr>
<tr>
<td>Political Science Education</td>
<td></td>
</tr>
<tr>
<td>Psychology Education</td>
<td></td>
</tr>
<tr>
<td>Sociology Education</td>
<td></td>
</tr>
</tbody>
</table>

32 credits with a minimum of three credits from three of the subject areas outside of the minor selected from the following:

<table>
<thead>
<tr>
<th>Economics</th>
<th>18</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geography</td>
<td></td>
</tr>
<tr>
<td>History</td>
<td></td>
</tr>
<tr>
<td>Political Science</td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td></td>
</tr>
</tbody>
</table>

ECO/GEO/HIS/  
POL/PSY/SOC  
408  
Teaching and Learning History & Social Studies in the Secondary School  
4

Total Credits  
54-60

Note: Teacher certification candidates must also complete GEO 200 Conservation of Global Environments and EFN 200 Cooperatives to fulfill statutory licensing requirements. Credits do not count toward the social studies education (broad field) major.

Degree requirements

All students must complete the general education, college core (waived for teacher certification programs), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• Baccalaureate degree requirements (p. 84)

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA.¹ At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA¹ in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

¹ Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.
college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)

4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.

5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).

6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32:))

7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Economics Minor

(All colleges, excluding teacher certification programs)

18 credits

ECO 110 Microeconomics and Public Policy 3
ECO 120 Global Macroeconomics 3
Select 12 credits of electives in courses numbered 300 or above in economics 12

Total Credits 18

Economics Education Minor

(Early Adolescence-Adolescence Certification)

(Teacher certification programs)

18 credits

ECO 110 Microeconomics and Public Policy 3
ECO 120 Global Macroeconomics 3
Select 12 credits of electives in courses numbered 300 or above in economics 1

Total Credits 18

1 excluding ECO 408

Teacher certification candidates must also complete ECO 408 Teaching and Learning History & Social Studies in the Secondary School (4 cr.) unless a major in social studies education (broad field), geography education, history education, political science education, or sociology education is completed. GEO 200 Conservation of Global Environments (3 cr.) and EFN 200 Cooperatives (1 cr.) are also required to fulfill statutory licensing requirements (credits do not count toward the economics education minor).

Economics Honors Program

Program

1. Admission
   a. Junior Standing
   b. 12 credits in the major
   c. Filing a statement of intent with the department chair
   d. 3.25 cumulative grade point average in the major
   e. Recommendation by two faculty members in the major

2. Program
   a. Completion of the regular major program
   b. ECO 474 Economic Forum (1-3 cr.) (Honors Seminar) - three credits
   c. ECO 499 Independent Study (1-3 cr.) (Honors Paper) - one credit

3. Evaluation
   a. A cumulative 3.50 grade point average in the major at graduation
   b. Distinguished performance on a paper or project developed in ECO 499 Independent Study (1-3 cr.)
   c. Presentation of the paper or project to a colloquium of faculty and other honors students.

English (ENG)

College of Liberal Studies
Department Chair: Susan Crutchfield
433A Wimberly Hall; 608.785.8295
E-mail: scrutchfield@uw lax.edu
http://www.uwlax.edu/english/

The Department of English specializes in the study of literature, linguistics, rhetoric, writing, and teaching. Our dynamic and interdisciplinary work fosters an appreciation for the beauty and power of the English language, promotes open inquiry, excites the imagination, and arouses intellectual curiosity. In the tradition of liberal arts education, we promote analytic skills and encourage scholarship from our faculty and students alike. Emphasizing the practical application of knowledge, we empower our students long past graduation and enrich the pleasure they find in reading, writing, and teaching. The Department of English examines what readers do when they read and what writers do when they write. Through language and story, humans interpret the past, understand the present and prepare for the future. We believe that the close study of language, writing, and literature should be a transformative experience culminating in literate, articulate, imaginative and open-minded individuals who can take on roles as responsible citizens in diverse and dynamic communities.

A VIBRANT COMMUNITY

Boasting a low student-to-teacher ratio and small classes, UW–L’s Department of English is like “family,” according to one recent graduate reflecting back from her new life in graduate school. Our student-run English Club, campus chapter of the National English Honor Society, and various student-run publications give majors and minors many
opportunities to share their passion for reading and writing with each other, the department, and the community.

General education writing emphasis
This department incorporates a significant amount of writing through the required courses instead of identifying particular courses as writing emphasis courses. Students who complete a major in this department will fulfill the general education writing emphasis requirement (p. 50).

For English majors/writing minors
English majors who elect to take one of the writing minors must complete the requirements for both the major and the minor. Only three credits from the major may also be counted toward the minor.

For English minors/writing minors
English minors who elect to take a writing minor must complete the requirements for both. Only nine credits from the English minor may also be counted toward the writing minor.

Our people
Professors
Bradley Butterfield
Virginia Crank
Lalita Pandit Hogan
Sharon Jessee
Haixia Lan
Heidi Macpherson
Joseph Young

Associate Professor
Matt Cashion
Susan Crutchfield
Natalie Eschenbaum
David Hart
Gary Konas
Darci Thoune

Assistant Professor
William Barillas
Kimberly DeFazio
Rebekah Fowler
James Gray
Heidi Jones
Bryan Kopp
Stephen Mann

Marie Moeller
Kate Parker
Lindsay Steiner
William Stulzbach
Robert Wilkie
Lei Zhang

Lecturer
Ryan Friesen
Bruce Handtke
Karen Hart
Jen Mohlenhoff-Baggett
Luke Schaaf

Associate Lecturer
Carlton Clark
Sara Heaser
Joel Kopplin
Deborah-Eve Lombard
Adam Putz
Jan Wellik

Administrative Support
Amy Sloan

Majors
• English major: literature emphasis - BA (p. 86)
• English major: rhetoric and writing emphasis - BA (p. 89)
• English education major (early adolescence-adolescence certification) - BS (p. 91)

Minors
• English literature minor (p. 93)
• English education minor (p. 94)
• Creative writing minor (p. 95)
• Professional and technical writing minor (p. 96)

Honors
• English honors program (p. 96)

English Major: Literature Emphasis - Bachelor of Arts (BA)

English majors provide an excellent education in the discipline with a credit load that allows for great flexibility in selecting compatible minors or a double major, as well as in exploring various other fields of knowledge.
through elective coursework. With proper planning, the English degree can be earned in four years.

## Major requirements

(All colleges, excluding teacher certification programs)

### Preparatory course work

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
</table>
| ENG 301  | Foundations for Literary Studies 

1  Must be taken concurrently with one 300 level literature course; must complete ENG 301 Foundations for Literary Studies (4 cr.) before enrolling in a second 300 level literature course.

### Foundational course work

#### Shakespeare

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 363</td>
<td>Shakespeare I</td>
<td>3</td>
</tr>
</tbody>
</table>

or

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
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<td>3</td>
</tr>
</tbody>
</table>

#### Writing

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 304</td>
<td>Writing in the Arts and Humanities</td>
<td>3</td>
</tr>
<tr>
<td>ENG 305</td>
<td>Creative Writing</td>
<td></td>
</tr>
<tr>
<td>ENG 313</td>
<td>Prose Style and Editing</td>
<td></td>
</tr>
<tr>
<td>ENG 314</td>
<td>Grant Writing</td>
<td></td>
</tr>
<tr>
<td>ENG 320</td>
<td>Literary Journal Production and Publication</td>
<td></td>
</tr>
</tbody>
</table>

### Language studies

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 327</td>
<td>Publishing in a Digital Age</td>
<td>3</td>
</tr>
<tr>
<td>ENG 330</td>
<td>History of the English Language</td>
<td></td>
</tr>
<tr>
<td>ENG 331</td>
<td>Introduction to Linguistics</td>
<td></td>
</tr>
</tbody>
</table>

2  Must be taken concurrently with one 300 level literature course; must complete ENG 301 Foundations for Literary Studies (4 cr.) before enrolling in a second 300 level literature course.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 332</td>
<td>Modern English Grammars: Analysis of Language</td>
<td>2</td>
</tr>
<tr>
<td>ENG 333</td>
<td>Introduction to Rhetoric and Writing Studies</td>
<td></td>
</tr>
<tr>
<td>ENG 334</td>
<td>Language Study for Teachers</td>
<td></td>
</tr>
<tr>
<td>ENG 337</td>
<td>The Rhetorics of Style</td>
<td></td>
</tr>
<tr>
<td>ENG 338</td>
<td>Linguistics and Literature</td>
<td></td>
</tr>
<tr>
<td>ENG 349</td>
<td>Topics in Linguistics</td>
<td></td>
</tr>
</tbody>
</table>

### American/British literary traditions before 1800

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
</table>
| ENG 302  | Intermediate Topics in Literature 

1  Must be taken concurrently with one 300 level literature course; must complete ENG 301 Foundations for Literary Studies (4 cr.) before enrolling in a second 300 level literature course.

### American/British literary traditions after 1800

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
</table>
| ENG 302  | Intermediate Topics in Literature 

1  Must be taken concurrently with one 300 level literature course; must complete ENG 301 Foundations for Literary Studies (4 cr.) before enrolling in a second 300 level literature course.

2  Must be taken concurrently with one 300 level literature course; must complete ENG 301 Foundations for Literary Studies (4 cr.) before enrolling in a second 300 level literature course.

3  Must be taken concurrently with one 300 level literature course; must complete ENG 301 Foundations for Literary Studies (4 cr.) before enrolling in a second 300 level literature course.

### Advanced course work

Select six credits of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 403</td>
<td>Individual Projects</td>
<td></td>
</tr>
<tr>
<td>ENG 415</td>
<td>Topics in Critical Theory</td>
<td></td>
</tr>
<tr>
<td>ENG 439</td>
<td>Topics in Linguistics</td>
<td></td>
</tr>
<tr>
<td>ENG 445</td>
<td>Literature and Environmental Action</td>
<td></td>
</tr>
<tr>
<td>ENG 446</td>
<td>Forms of Fiction</td>
<td></td>
</tr>
<tr>
<td>ENG 449</td>
<td>Forms of Poetry</td>
<td></td>
</tr>
<tr>
<td>ENG 462</td>
<td>Seminar in British Literature</td>
<td></td>
</tr>
<tr>
<td>ENG 463</td>
<td>Chaucer</td>
<td></td>
</tr>
<tr>
<td>ENG 464</td>
<td>Milton</td>
<td></td>
</tr>
<tr>
<td>ENG 466</td>
<td>British Romanticism (1770-1830)</td>
<td></td>
</tr>
<tr>
<td>ENG 467</td>
<td>Victorian Poets</td>
<td></td>
</tr>
<tr>
<td>ENG 469</td>
<td>Post-Colonial Anglophone Literatures</td>
<td></td>
</tr>
<tr>
<td>ENG 470</td>
<td>Seminar in American Literature</td>
<td></td>
</tr>
<tr>
<td>ENG 471</td>
<td>American Romanticism</td>
<td></td>
</tr>
<tr>
<td>ENG 472</td>
<td>American Realism</td>
<td></td>
</tr>
<tr>
<td>ENG 476</td>
<td>Fiction and Nonfiction of Richard Wright</td>
<td></td>
</tr>
<tr>
<td>ENG 477</td>
<td>African American Essay and Short Story</td>
<td></td>
</tr>
<tr>
<td>ENG 478</td>
<td>20th Century African American Novels</td>
<td></td>
</tr>
<tr>
<td>ENG 481</td>
<td>Seminar in Literature and Culture</td>
<td></td>
</tr>
<tr>
<td>ENG 482</td>
<td>Advanced Study of Women's Literature</td>
<td></td>
</tr>
</tbody>
</table>
| ENG 494  | Advanced Topics in Literature 

1  Must be taken concurrently with one 300 level literature course; must complete ENG 301 Foundations for Literary Studies (4 cr.) before enrolling in a second 300 level literature course.

### Capstone

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
</table>
| ENG 495  | Advanced Study of Major Authors 

1  Must be taken concurrently with one 300 level literature course; must complete ENG 301 Foundations for Literary Studies (4 cr.) before enrolling in a second 300 level literature course.
ENG 484 Capstone: Literary Studies 2

Total Credits 8

1. When appropriately focused.
2. Course description and title are changing starting Fall 2014. The new course description is as follows:

ENG 332 Cr. 3
Modern English Grammars
An introduction to the structure of the English language, focusing primarily on its syntax. Investigation of the various grammatical functions that words perform and how those words combine to create phrases, clauses, and sentences. Development of skills for analyzing and describing English sentences. Prerequisite: ENG 110 or ENG 112. Offered Fall, Spring.

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 88)
- Baccalaureate degree requirements (p. 89)

CLS Bachelor of Arts core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track

1. Native speakers of English complete:
   Select one of the following:
   - CHI 202 Intermediate Chinese II
   - FRE 202 Intermediate French II
   - GER 202 Intermediate German II
   - RUS 202 Intermediate Russian II
   - SPA 202 Intermediate Spanish II
   - MLG 202 World Languages: Intermediate II
   - MLG 204 Heritage Language: Intermediate
   - MLG 304 Heritage Language: Advanced

Non-native speakers of English: score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university’s English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations); and
2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

B. Humanities track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

C. Fine arts track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any
Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

English Major: Rhetoric and Writing Emphasis - Bachelor of Arts (BA)

English majors provide an excellent education in the discipline with a credit load that allows for great flexibility in selecting compatible minors or a double major, as well as in exploring various other fields of knowledge through elective coursework. With proper planning, the English degree can be earned in four years.

Major requirements

(All colleges, excluding teacher certification programs)

36 credits

Courses listed in more than one category may be counted only once.

Introductory coursework

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENG 311</td>
<td>Critical Theory</td>
<td>3</td>
</tr>
<tr>
<td>ENG 333</td>
<td>Introduction to Rhetoric and Writing Studies</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>6</td>
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</table>

Advanced coursework

Writing

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 303</td>
<td>Advanced Composition</td>
<td>3</td>
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<tr>
<td>ENG 304</td>
<td>Writing in the Arts and Humanities</td>
<td></td>
</tr>
<tr>
<td>ENG 305</td>
<td>Creative Writing</td>
<td></td>
</tr>
<tr>
<td>ENG 306</td>
<td>Writing in Education</td>
<td></td>
</tr>
<tr>
<td>ENG 307</td>
<td>Writing for Management, Public Relations and the Professions</td>
<td></td>
</tr>
<tr>
<td>ENG 308</td>
<td>Technical Writing</td>
<td></td>
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<tr>
<td>ENG 309</td>
<td>Writing in the Sciences</td>
<td></td>
</tr>
<tr>
<td>ENG 314</td>
<td>Grant Writing</td>
<td></td>
</tr>
<tr>
<td>ENG 320</td>
<td>Literary Journal Production and Publication</td>
<td></td>
</tr>
<tr>
<td>ENG 325</td>
<td>Reporting and Copy Editing</td>
<td></td>
</tr>
<tr>
<td>ENG 326</td>
<td>Feature and Specialized Writing</td>
<td></td>
</tr>
<tr>
<td>ENG 343</td>
<td>Creative Nonfiction</td>
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</table>

Prose style and editing

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 313</td>
<td>Prose Style and Editing</td>
<td>3</td>
</tr>
</tbody>
</table>

Shakespeare

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 363</td>
<td>Shakespeare I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 364</td>
<td>Shakespeare II</td>
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</table>

Language and grammar

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENG 330</td>
<td>History of the English Language</td>
<td></td>
</tr>
<tr>
<td>ENG 331</td>
<td>Introduction to Linguistics</td>
<td></td>
</tr>
<tr>
<td>ENG 332</td>
<td>Modern English Grammars: Analysis of Language</td>
<td></td>
</tr>
</tbody>
</table>

Literature

Select three credits from any 300/400 level course | 3 |

Total Credits: 15

Senior coursework

Senior seminar

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENG 497</td>
<td>Seminar in Rhetoric and Writing Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

Capstone

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 413</td>
<td>Writing Portfolio</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 6

Electives

Select nine credits of the following: | 9 |

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ENG 299</td>
<td>Writing Tutor Practicum</td>
</tr>
<tr>
<td>ENG 302</td>
<td>Intermediate Topics in Literature</td>
</tr>
<tr>
<td>or CST 315</td>
<td>Communication Criticism</td>
</tr>
<tr>
<td>ENG 304</td>
<td>Writing in the Arts and Humanities</td>
</tr>
<tr>
<td>ENG 305</td>
<td>Creative Writing</td>
</tr>
<tr>
<td>ENG 306</td>
<td>Writing in Education</td>
</tr>
</tbody>
</table>
ENG 307  Writing for Management, Public Relations and the Professions 
ENG 308  Technical Writing 
ENG 309  Writing in the Sciences 
ENG 314  Grant Writing 
ENG 320  Literary Journal Production and Publication 
ENG 325  Reporting and Copy Editing 
ENG 326  Feature and Specialized Writing 
ENG 327  Publishing in a Digital Age 
ENG 330  History of the English Language 
ENG 331  Introduction to Linguistics 
ENG 332  Modern English Grammars: Analysis of Language 
ENG 334  Language Study for Teachers 
ENG 335  Introduction to Professional Writing 
ENG 337  The Rhetorics of Style 
ENG 342  The Essay 
ENG 343  Creative Nonfiction 
ENG 403  Individual Projects 
ENG 415  Topics in Critical Theory 
ENG 416  Seminar in Advanced Fiction Writing 
ENG 417  Seminar in Advanced Poetry Writing 
ENG 434  Chinese Discourse 
ENG 446  Forms of Fiction 
ENG 449  Forms of Poetry 
ENG 450  English Internship

Total Credits  9

1. May choose one course from CST 315 or ENG 302 when appropriately focused.
3. Course description and title are changing starting Fall 2014. The new course description is as follows: ENG 332 Cr. 3

Modern English Grammars

An introduction to the structure of the English language, focusing primarily on its syntax. Investigation of the various grammatical functions that words perform and how those words combine to create phrases, clauses, and sentences. Development of skills for analyzing and describing English sentences. Prerequisite: ENG 110 or ENG 112. Offered Fall, Spring.

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 90)
- Baccalaureate degree requirements (p. 91)

CLS Bachelor of Arts core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
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Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track

1. Native speakers of English complete:
   Select one of the following:
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   - FRE 202 Intermediate French II
   - GER 202 Intermediate German II
   - RUS 202 Intermediate Russian II
   - SPA 202 Intermediate Spanish II
   - MLG 202 World Languages: Intermediate II
   - MLG 204 Heritage Language: Intermediate
   - MLG 304 Heritage Language: Advanced

Non-native speakers of English: score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university’s English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations); and

2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

B. Humanities track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

C. Fine arts track
1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees
Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA.¹ At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA¹ in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

¹ Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

English Education Major (Early Adolescence-Adolescence Certification) - Bachelor of Science (BS)

The English education major provides an excellent education in the discipline. Students earning an English education degree can be certified in English at the early adolescence - adolescence level through the Wisconsin Department of Public Instruction (DPI).

Major requirements
Admission requirements for STEP Program (p. 403)

(teacher certification program: early adolescence-adolescence)

44 credits - Students are required to complete a 44 credit major core including ENG 405.

Courses listed in more than one category may be counted only once.

Foundations
- ENG 301 Foundations for Literary Studies 4
- ENG 332 Modern English Grammars: Analysis of Language 3
- ENG 333 Introduction to Rhetoric and Writing Studies 3
- ENG 405 Teaching and Learning English in the Secondary School 4

Language/linguistics
Select one of the following: 3
- ENG 330 History of the English Language
- ENG 331 Introduction to Linguistics
- ENG 334 Language Study for Teachers
- ENG 338 Linguistics and Literature
- ENG 439 Topics in Linguistics

Writing
Select one of the following: 3
- ENG 304 Writing in the Arts and Humanities
- ENG 305 Creative Writing
- ENG 306 Writing in Education
- ENG 307 Writing for Management, Public Relations and the Professions
- ENG 308 Technical Writing
- ENG 309 Writing in the Sciences

Rhetoric & writing studies
- ENG 433 Introduction to Teaching Writing 3
Select one of the following: 3
- ENG 313 Prose Style and Editing
- ENG 320 Literary Journal Production and Publication
- ENG 325 Reporting and Copy Editing
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENG 326</td>
<td>Feature and Specialized Writing</td>
<td></td>
</tr>
<tr>
<td>ENG 327</td>
<td>Publishing in a Digital Age</td>
<td></td>
</tr>
<tr>
<td>ENG 334</td>
<td>Language Study for Teachers</td>
<td></td>
</tr>
<tr>
<td>ENG 335</td>
<td>Introduction to Professional Writing</td>
<td></td>
</tr>
<tr>
<td>ENG 434</td>
<td>Chinese Discourse</td>
<td></td>
</tr>
<tr>
<td>ENG 439</td>
<td>Topics in Linguistics</td>
<td></td>
</tr>
<tr>
<td>ENG 497</td>
<td>Seminar in Rhetoric and Writing Studies</td>
<td></td>
</tr>
</tbody>
</table>

**Adolescent literature**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 341</td>
<td>Adolescent Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

**Literature before 1800**

Select one of the following: 3 credits

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 363</td>
<td>Shakespeare I</td>
<td></td>
</tr>
<tr>
<td>ENG 364</td>
<td>Shakespeare II</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following: 3 credits

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 201</td>
<td>American Literature I</td>
<td>1</td>
</tr>
<tr>
<td>ENG 203</td>
<td>English Literature I</td>
<td>1</td>
</tr>
<tr>
<td>ENG 302</td>
<td>Intermediate Topics in Literature</td>
<td>2</td>
</tr>
<tr>
<td>ENG 361</td>
<td>Old and Middle English Literature</td>
<td></td>
</tr>
<tr>
<td>ENG 362</td>
<td>English Renaissance</td>
<td></td>
</tr>
<tr>
<td>ENG 363</td>
<td>Shakespeare I (if not used above)</td>
<td></td>
</tr>
<tr>
<td>ENG 364</td>
<td>Shakespeare II (if not used above)</td>
<td></td>
</tr>
<tr>
<td>ENG 366</td>
<td>Restoration and Eighteenth-Century British Literature</td>
<td></td>
</tr>
<tr>
<td>ENG 370</td>
<td>Early American Literature</td>
<td></td>
</tr>
<tr>
<td>ENG 403</td>
<td>Individual Projects</td>
<td>2</td>
</tr>
<tr>
<td>ENG 462</td>
<td>Seminar in British Literature</td>
<td>2</td>
</tr>
<tr>
<td>ENG 463</td>
<td>Chaucer</td>
<td></td>
</tr>
<tr>
<td>ENG 464</td>
<td>Milton</td>
<td></td>
</tr>
<tr>
<td>ENG 470</td>
<td>Seminar in American Literature</td>
<td>2</td>
</tr>
<tr>
<td>ENG 481</td>
<td>Seminar in Literature and Culture</td>
<td>2</td>
</tr>
<tr>
<td>ENG 482</td>
<td>Advanced Study of Women's Literature</td>
<td>2</td>
</tr>
<tr>
<td>ENG 494</td>
<td>Advanced Topics in Literature</td>
<td>2</td>
</tr>
<tr>
<td>ENG 495</td>
<td>Advanced Study of Major Authors</td>
<td>2</td>
</tr>
</tbody>
</table>

**World literatures**

Select one of the following: 3 credits

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 205</td>
<td>Western Literature I</td>
<td>1</td>
</tr>
<tr>
<td>ENG 206</td>
<td>Western Literature II</td>
<td>1</td>
</tr>
<tr>
<td>ENG 208</td>
<td>International Studies in Literature</td>
<td>1</td>
</tr>
<tr>
<td>ENG 302</td>
<td>Intermediate Topics in Literature</td>
<td>2</td>
</tr>
<tr>
<td>ENG 356</td>
<td>European Literature in Translation</td>
<td></td>
</tr>
<tr>
<td>ENG 357</td>
<td>World Literature</td>
<td></td>
</tr>
<tr>
<td>ENG 403</td>
<td>Individual Projects</td>
<td>2</td>
</tr>
<tr>
<td>ENG 469</td>
<td>Post-Colonial Anglophone Literatures</td>
<td></td>
</tr>
<tr>
<td>ENG 481</td>
<td>Seminar in Literature and Culture</td>
<td>2</td>
</tr>
<tr>
<td>ENG 482</td>
<td>Advanced Study of Women's Literature</td>
<td>2</td>
</tr>
<tr>
<td>ENG 494</td>
<td>Advanced Topics in Literature</td>
<td>2</td>
</tr>
<tr>
<td>ENG 495</td>
<td>Advanced Study of Major Authors</td>
<td>2</td>
</tr>
</tbody>
</table>

**American & British literature: 19th-20th century**

Select one of the following: 3 credits

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 202</td>
<td>American Literature II</td>
<td>1</td>
</tr>
<tr>
<td>ENG 204</td>
<td>English Literature II</td>
<td>1</td>
</tr>
<tr>
<td>ENG 302</td>
<td>Intermediate Topics in Literature</td>
<td>2</td>
</tr>
<tr>
<td>ENG 367</td>
<td>19th Century British Literature</td>
<td></td>
</tr>
<tr>
<td>ENG 368</td>
<td>British Literature After 1900</td>
<td></td>
</tr>
<tr>
<td>ENG 371</td>
<td>Nineteenth Century American Literature</td>
<td></td>
</tr>
<tr>
<td>ENG 372</td>
<td>American Literature After 1900</td>
<td></td>
</tr>
<tr>
<td>ENG 380</td>
<td>Literature of American Ethnic and Minority Cultures</td>
<td></td>
</tr>
<tr>
<td>ENG 381</td>
<td>American Indian Literature</td>
<td></td>
</tr>
<tr>
<td>ENG 403</td>
<td>Individual Projects</td>
<td>2</td>
</tr>
<tr>
<td>ENG 462</td>
<td>Seminar in British Literature</td>
<td>2</td>
</tr>
<tr>
<td>ENG 466</td>
<td>British Romanticism (1770-1830)</td>
<td></td>
</tr>
<tr>
<td>ENG 467</td>
<td>Victorian Poets</td>
<td></td>
</tr>
<tr>
<td>ENG 469</td>
<td>Post-Colonial Anglophone Literatures</td>
<td></td>
</tr>
<tr>
<td>ENG 470</td>
<td>Seminar in American Literature</td>
<td>2</td>
</tr>
<tr>
<td>ENG 471</td>
<td>American Romanticism</td>
<td></td>
</tr>
<tr>
<td>ENG 472</td>
<td>American Realism</td>
<td></td>
</tr>
<tr>
<td>ENG 476</td>
<td>Fiction and Nonfiction of Richard Wright</td>
<td></td>
</tr>
<tr>
<td>ENG 477</td>
<td>African American Essay and Short Story</td>
<td></td>
</tr>
<tr>
<td>ENG 478</td>
<td>20th Century African American Novels</td>
<td></td>
</tr>
<tr>
<td>ENG 481</td>
<td>Seminar in Literature and Culture</td>
<td>2</td>
</tr>
<tr>
<td>ENG 482</td>
<td>Advanced Study of Women's Literature</td>
<td>2</td>
</tr>
<tr>
<td>ENG 494</td>
<td>Advanced Topics in Literature</td>
<td>2</td>
</tr>
<tr>
<td>ENG 495</td>
<td>Advanced Study of Major Authors</td>
<td>2</td>
</tr>
</tbody>
</table>

**Multicultural, minority, ethnic, and women's literature**

Select one of the following: 3 credits

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 207</td>
<td>Multicultural Literature of the United States (ES)</td>
<td>1</td>
</tr>
<tr>
<td>ENG 210</td>
<td>Literature of Black America (ES)</td>
<td>1</td>
</tr>
<tr>
<td>ENG 215</td>
<td>African American Authors (ES)</td>
<td>1</td>
</tr>
<tr>
<td>ENG 302</td>
<td>Intermediate Topics in Literature</td>
<td>2</td>
</tr>
<tr>
<td>ENG 380</td>
<td>Literature of American Ethnic and Minority Cultures</td>
<td></td>
</tr>
<tr>
<td>ENG 381</td>
<td>American Indian Literature</td>
<td></td>
</tr>
<tr>
<td>ENG 382</td>
<td>Latino Literature</td>
<td></td>
</tr>
<tr>
<td>ENG 385</td>
<td>Women Authors</td>
<td></td>
</tr>
<tr>
<td>ENG 462</td>
<td>Seminar in British Literature</td>
<td>2</td>
</tr>
<tr>
<td>ENG 470</td>
<td>Seminar in American Literature</td>
<td>2</td>
</tr>
<tr>
<td>ENG 476</td>
<td>Fiction and Nonfiction of Richard Wright</td>
<td></td>
</tr>
<tr>
<td>ENG 477</td>
<td>African American Essay and Short Story</td>
<td></td>
</tr>
<tr>
<td>ENG 478</td>
<td>20th Century African American Novels</td>
<td></td>
</tr>
<tr>
<td>ENG 481</td>
<td>Seminar in Literature and Culture</td>
<td>2</td>
</tr>
<tr>
<td>ENG 482</td>
<td>Advanced Study of Women's Literature</td>
<td>2</td>
</tr>
<tr>
<td>ENG 494</td>
<td>Advanced Topics in Literature</td>
<td>2</td>
</tr>
<tr>
<td>ENG 495</td>
<td>Advanced Study of Major Authors</td>
<td>2</td>
</tr>
</tbody>
</table>

**Total Credits** 44

1. This one 200 level course may be counted simultaneously toward the requirements for general education.
2. When appropriately focused.
Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement.)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

### English Literature Minor

Writing minor restriction (p. 86)

(All colleges, excluding teacher certification programs and English majors: literature emphasis)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 301</td>
<td>Foundations for Literary Studies</td>
</tr>
<tr>
<td>3</td>
<td>Select one of the following:</td>
</tr>
<tr>
<td>ENG 304</td>
<td>Writing in the Arts and Humanities</td>
</tr>
<tr>
<td>ENG 305</td>
<td>Creative Writing</td>
</tr>
<tr>
<td>ENG 306</td>
<td>Writing in Education</td>
</tr>
<tr>
<td>ENG 307</td>
<td>Writing for Management, Public Relations and the Professions</td>
</tr>
<tr>
<td>ENG 308</td>
<td>Technical Writing</td>
</tr>
<tr>
<td>ENG 309</td>
<td>Writing in the Sciences</td>
</tr>
<tr>
<td>ENG 313</td>
<td>Prose Style and Editing</td>
</tr>
<tr>
<td>ENG 320</td>
<td>Literary Journal Production and Publication</td>
</tr>
<tr>
<td>ENG 325</td>
<td>Reporting and Copy Editing</td>
</tr>
<tr>
<td>ENG 326</td>
<td>Feature and Specialized Writing</td>
</tr>
<tr>
<td>ENG 327</td>
<td>Publishing in a Digital Age</td>
</tr>
<tr>
<td>ENG 333</td>
<td>Introduction to Rhetoric and Writing Studies</td>
</tr>
<tr>
<td>ENG 335</td>
<td>Introduction to Professional Writing</td>
</tr>
<tr>
<td>ENG 337</td>
<td>The Rhetorics of Style</td>
</tr>
<tr>
<td>ENG 338</td>
<td>Linguistics and Literature</td>
</tr>
<tr>
<td>ENG 343</td>
<td>Creative Nonfiction</td>
</tr>
<tr>
<td>ENG 403</td>
<td>Individual Projects</td>
</tr>
<tr>
<td>ENG 416</td>
<td>Seminar in Advanced Fiction Writing</td>
</tr>
<tr>
<td>ENG 417</td>
<td>Seminar in Advanced Poetry Writing</td>
</tr>
<tr>
<td>ENG 433</td>
<td>Introduction to Teaching Writing</td>
</tr>
<tr>
<td>ENG 434</td>
<td>Chinese Discourse</td>
</tr>
<tr>
<td>4</td>
<td>Select four of the following with at least one at the 400 level:</td>
</tr>
<tr>
<td>ENG 302</td>
<td>Intermediate Topics in Literature</td>
</tr>
<tr>
<td>ENG 330</td>
<td>History of the English Language</td>
</tr>
<tr>
<td>ENG 331</td>
<td>Introduction to Linguistics</td>
</tr>
<tr>
<td>ENG 340</td>
<td>Children’s Literature</td>
</tr>
<tr>
<td>ENG 341</td>
<td>Adolescent Literature</td>
</tr>
<tr>
<td>ENG 342</td>
<td>The Essay</td>
</tr>
<tr>
<td>ENG 344</td>
<td>The Novel</td>
</tr>
<tr>
<td>ENG 347</td>
<td>The Short Story</td>
</tr>
<tr>
<td>ENG 348</td>
<td>Studies in Film Literature</td>
</tr>
<tr>
<td>ENG 349</td>
<td>Drama</td>
</tr>
<tr>
<td>ENG 356</td>
<td>European Literature in Translation</td>
</tr>
<tr>
<td>ENG 357</td>
<td>World Literature</td>
</tr>
<tr>
<td>ENG 361</td>
<td>Old and Middle English Literature</td>
</tr>
<tr>
<td>ENG 362</td>
<td>English Renaissance</td>
</tr>
</tbody>
</table>
ENG 363  Shakespeare I
ENG 364  Shakespeare II
ENG 366  Restoration and Eighteenth-Century British Literature
ENG 367  19th Century British Literature
ENG 368  British Literature After 1900
ENG 370  Early American Literature
ENG 371  Nineteenth Century American Literature
ENG 372  American Literature After 1900
ENG 380  Literature of American Ethnic and Minority Cultures
ENG 381  American Indian Literature
ENG 382  Latino Literature in English
ENG 385  Women Authors
ENG 403  Individual Projects  
ENG 415  Topics in Critical Theory
ENG 439  Topics in Linguistics
ENG 445  Literature and Environmental Action
ENG 446  Forms of Fiction
ENG 449  Forms of Poetry
ENG 462  Seminar in British Literature
ENG 463  Chaucer
ENG 464  Milton
ENG 466  British Romanticism (1770-1830)
ENG 467  Victorian Poets
ENG 469  Post-Colonial Anglophone Literatures
ENG 470  Seminar in American Literature
ENG 471  American Romanticism
ENG 472  American Realism
ENG 476  Fiction and Nonfiction of Richard Wright
ENG 477  African American Essay and Short Story
ENG 481  Seminar in Literature and Culture
ENG 482  Advanced Study of Women’s Literature
ENG 484  Capstone: Literary Studies
ENG 494  Advanced Topics in Literature
ENG 495  Advanced Study of Major Authors

Total Credits 19

1 When focused on rhetoric/writing.
2 When focused on literature.

English Education Minor

Writing minor restriction (p. 86)

(Teacher certification programs: early adolescence-adolescence, early childhood-adolescence, or middle childhood-early adolescence)

19-23 credits

Language/linguistics

Select three credits of the following: 3

ENG 330  History of the English Language
ENG 331  Introduction to Linguistics
ENG 332  Modern English Grammars: Analysis of Language

ENG 334  Language Study for Teachers
ENG 439  Topics in Linguistics

Writing

ENG 306  Writing in Education 3

Select three credits of the following: 3

ENG 304  Writing in the Arts and Humanities
ENG 305  Creative Writing
ENG 307  Writing for Management, Public Relations and the Professions
ENG 308  Technical Writing
ENG 309  Writing in the Sciences
ENG 313  Prose Style and Editing
ENG 325  Reporting and Copy Editing
ENG 326  Feature and Specialized Writing
ENG 343  Creative Nonfiction
ENG 433  Introduction to Teaching Writing

Literature

ENG 301  Foundations for Literary Studies 4
ENG 341  Adolescent Literature 3

Select three credits of the following: 3

ENG 302  Intermediate Topics in Literature
ENG 342  The Essay
ENG 344  The Novel
ENG 347  The Short Story
ENG 349  Drama
ENG 356  European Literature in Translation
ENG 357  World Literature
ENG 361  Old and Middle English Literature
ENG 362  English Renaissance
ENG 363  Shakespeare I
ENG 364  Shakespeare II
ENG 366  Restoration and Eighteenth-Century British Literature
ENG 367  19th Century British Literature
ENG 368  British Literature After 1900
ENG 370  Early American Literature
ENG 371  Nineteenth Century American Literature
ENG 372  American Literature After 1900
ENG 380  Literature of American Ethnic and Minority Cultures
ENG 381  American Indian Literature
ENG 382  Latino Literature in English
ENG 385  Women Authors
ENG 445  Literature and Environmental Action
ENG 449  Forms of Poetry
ENG 462  Seminar in British Literature
ENG 463  Chaucer
ENG 464  Milton
ENG 466  British Romanticism (1770-1830)
ENG 467  Victorian Poets
ENG 469  Post-Colonial Anglophone Literatures
ENG 470  Seminar in American Literature
ENG 471  American Romanticism
ENG 472  American Realism
ENG 476  Fiction and Nonfiction of Richard Wright
ENG 477  African American Essay and Short Story
Certification  
ENG 405  Teaching and Learning English in the Secondary School 4  

Total Credits 19-23  

1 required only for those seeking early adolescence-adolescence certification  

2 Course description and title are changing starting Fall 2014. The new course description is as follows:  
ENG 332 Cr. 3  
Modern English Grammars  
An introduction to the structure of the English language, focusing primarily on its syntax. Investigation of the various grammatical functions that words perform and how those words combine to create phrases, clauses, and sentences. Development of skills for analyzing and describing English sentences. Prerequisite: ENG 110 or ENG 112. Offered Fall, Spring.

Additional teacher education requirements are listed in the STEP program core (p. 403).

Creative Writing Minor

Writing minor restriction (p. 86)  
(All colleges)  
18 credits  
ENG 305  Creative Writing 3  
Select three credits of the following: 3  
ENG 301  Foundations for Literary Studies  
ENG 313  Prose Style and Editing  
ENG 320  Literary Journal Production and Publication  
ENG 330  History of the English Language  
ENG 332  Modern English Grammars: Analysis of Language 2  
ENG 337  The Rhetorics of Style  
ENG 338  Linguistics and Literature  
ENG 343  Creative Nonfiction  
ENG 433  Introduction to Teaching Writing  
ENG 439  Topics in Linguistics  
Select six credits of the following: 6  
ENG 299  Writing Tutor Practicum  
ENG 302  Intermediate Topics in Literature  
ENG 340  Children’s Literature  
ENG 331  Introduction to Linguistics  
ENG 341  Adolescent Literature  
ENG 342  The Essay  
ENG 344  The Novel  
ENG 347  The Short Story  
ENG 348  Studies in Film Literature  
ENG 349  Drama  
ENG 356  European Literature in Translation  
ENG 357  World Literature  
ENG 361  Old and Middle English Literature  
ENG 362  English Renaissance  
ENG 363  Shakespeare I  
ENG 364  Shakespeare II  
ENG 366  Restoration and Eighteenth-Century British Literature  
ENG 367  19th Century British Literature  
ENG 368  British Literature After 1900  
ENG 370  Early American Literature  
ENG 371  Nineteenth Century American Literature  
ENG 372  American Literature After 1900  
ENG 380  Literature of American Ethnic and Minority Cultures  
ENG 381  American Indian Literature  
ENG 382  Latino Literature in English  
ENG 385  Women Authors  
ENG 400  Workshop  
ENG 403  Individual Projects  
ENG 405  Teaching and Learning English in the Secondary School  
ENG 413  Writing Portfolio  
ENG 415  Topics in Critical Theory  
ENG 416  Seminar in Advanced Fiction Writing  
ENG 417  Seminar in Advanced Poetry Writing  
ENG 434  Chinese Discourse  
ENG 445  Literature and Environmental Action  
ENG 446  Forms of Fiction  
ENG 449  Forms of Poetry  
ENG 450  English Internship  
ENG 462  Seminar in British Literature  
ENG 463  Chaucer  
ENG 464  Milton  
ENG 466  British Romanticism (1770-1830)  
ENG 467  Victorian Poets  
ENG 469  Post-Colonial Anglophone Literatures  
ENG 470  Seminar in American Literature  
ENG 471  American Romanticism  
ENG 472  American Realism  
ENG 476  Fiction and Nonfiction of Richard Wright  
ENG 477  African American Essay and Short Story  
ENG 478  20th Century African American Novels  
ENG 481  Seminar in Literature and Culture  
ENG 482  Advanced Study of Women’s Literature  
ENG 484  Capstone: Literary Studies  
ENG 494  Advanced Topics in Literature  
ENG 495  Advanced Study of Major Authors  
ENG 497  Seminar in Rhetoric and Writing Studies  

Select three credits of the following  
ENG 446  Forms of Fiction 3  
or ENG 449  Forms of Poetry  
Select three credits of the following  
ENG 416  Seminar in Advanced Fiction Writing 3
or ENG 417 Seminar in Advanced Poetry Writing

Total Credits 18

1 Prior to enrolling in the remaining courses in the minor, students must meet with a creative writing advisor.

2 Course description and title are changing starting Fall 2014. The new course description is as follows:

ENG 332 Cr. 3
Modern English Grammars
An introduction to the structure of the English language, focusing primarily on its syntax. Investigation of the various grammatical functions that words perform and how those words combine to create phrases, clauses, and sentences. Development of skills for analyzing and describing English sentences. Prerequisite: ENG 110 or ENG 112. Offered Fall, Spring.

Professional and Technical Writing Minor

Writing minor restriction (p. 86)

(All colleges, except teacher certification programs)

21 credits

Courses listed in more than one category may be counted only once.

Core
ENG 335 Introduction to Professional Writing 3

Professional writing 3
ENG 307 Writing for Management, Public Relations and the Professions
ENG 309 Writing in the Sciences

Technical writing 3
ENG 308 Technical Writing
ENG 314 Grant Writing

Publishing/editing
Select one of the following: 3
ENG 313 Prose Style and Editing
ENG 320 Literary Journal Production and Publication
ENG 325 Reporting and Copy Editing
ENG 326 Feature and Specialized Writing
ENG 327 Publishing in a Digital Age

Electives
Select six credits from the following: 6
ENG 299 Writing Tutor Practicum
ENG 303 Advanced Composition
ENG 307 Writing for Management, Public Relations and the Professions
ENG 308 Technical Writing
ENG 309 Writing in the Sciences
ENG 313 Prose Style and Editing
ENG 314 Grant Writing
ENG 320 Literary Journal Production and Publication (max three credits)
ENG 325 Reporting and Copy Editing
ENG 326 Feature and Specialized Writing
ENG 327 Publishing in a Digital Age

ENG 333 Introduction to Rhetoric and Writing Studies
ENG 433 Introduction to Teaching Writing
ENG 497 Seminar in Rhetoric and Writing Studies (max three credits, may not be counted or repeated for dual credit)
CST 360 Public Relations 1
CST 370 Broadcast Media Writing 1

Practicum
ENG 452 Professional Writing Practicum 3

Total Credits 21

1 except for CST majors and professional/organizational communications minors

English Honors Program

Program

1. Admission
   a. Junior standing
   b. 12 credits in the major, including one English course numbered 340 or above.
   c. 3.25 cumulative grade point average in the major
   d. Recommendation of two faculty members in the major
   e. Submit application form
      i academic transcript
      ii reasons for wishing to participate
      iii signatures of recommending faculty members

2. Program
   a. Completion of the regular major program
   b. ENG 403 Individual Projects: 2-3 credits. Registration with consent of regular adviser, instructor, department chair and the dean of the college in which the student is enrolled. Prerequisite: at least 30 credits and excellent grades in English courses
      i Until a greater number of students require more than one section offered more than once a year, ENG 403 will be offered each fall and will be staffed alternately by faculty whose fields of expertise are in American and English literature, with occasional staffing by those who teach world literature
      ii One consulting reader for the paper or project developed in ENG 403 may at times be necessary if the topic is narrowly confined to an esoteric field.
   c. Reading lists: three lists covering major works in major periods and all appropriate genres in English, American, and world literature each to be compiled by the appropriate literature committee. These are to be the basis for the terminal examination.
   d. Terminal examinations
      i These will be compiled yearly by the instructor responsible for ENG 403
      ii Consultation with experts in given fields may be requested when necessary.

3. Evaluation
   a. Cumulative 3.50 grade point average at graduation in the major
   b. Distinguished performance on a paper or project developed in ENG 403
English as a Second Language (ESL)

College of Liberal Studies
Institute Director: Michelle Tyvoll
1209 Centennial Hall; 608.785.8315
Email: mtyvoll@uwla.edu

www.uwlax.edu/esl

English as a Second Language Institute

The English as a Second Language Institute offers a flexible program for non-native speakers of English. Classes are designed primarily for international students who need to improve or strengthen their English for studying at the university. The classes are also appropriate for persons who have a serious interest in studying English as a second language for personal or business reasons.

Classes are offered at six levels of English proficiency. A student’s level is determined by a proficiency test (the La Crosse Battery), which is given before classes begin.

Admission and placement into ESL classes (p. 97) Retention in program (p. 98)

Admission/placement

All international students who have official TOEFL scores below 550\(^1\) and all international students who have not taken the official TOEFL exam will be tested by the ESL Institute via the La Crosse Battery of exams during registration week prior to formal registration in classes. Students who submit TOEFL scores of 550\(^1\) or above will not be tested by the ESL Institute, will be exempt from the ESL classes, and will be granted full admission status. (Graduate program directors may require graduate students with 550 or above to take the placement exam.)

Students who score 80 or above on the La Crosse Battery will be granted exemption from ESL classes and will receive full admission status. Students who receive a score of 79 or below on the La Crosse Battery will be given limited university status and will be placed in the appropriate ESL class levels.

Students who score a 79 or below on the La Crosse Battery placement exam are allowed to submit an official TOEFL score of 550 PBT (paper-based TOEFL), equivalent on CBT (computer-based TOEFL) or IBT (Internet-based TOEFL), or other UW-L recognized standardized exam for unrestricted admission to the university. Students who achieve a 550 TOEFL (or equivalent) while enrolled in ESL courses will be required to wait until the beginning of the next term before being released from the ESL program.

1 Comparable score is 73 on the Internet-based TOEFL exam for undergraduate students. Graduate students are required to have a 79 on the Internet-based exam. In lieu of a TOEFL score, a band score of 6, with no subscore less than 5.5, is acceptable on the International English Language Testing System (IELTS) exam.

La Crosse Battery

The La Crosse Battery consists of four tests: Test of Aural Comprehension, Michigan Test of English Language Proficiency (grammar, vocabulary, reading comprehension), the La Crosse Composition Test, and an oral interview. The La Crosse Battery takes approximately three hours to complete. These tests, which demonstrate a student’s proficiency in each language skill, will determine the placement level per skill.

Students will be placed in levels that are appropriate with their placement score (see below). Students will progress through the program until they have earned at least a “C” in courses at the 250 level\(^1\). Students will be required to complete courses at the 250 level before being released from the ESL program and being granted unrestricted access to degree programs at UW-La Crosse. Once students reach the 200 level ESL courses, they will be allowed to take ESL courses and 1-4 credits of UW-L courses outside of ESL. Once students reach the 250 level ESL courses, they will be allowed to take ESL courses and 1-6 credits of UW-L courses outside of ESL.

1 If students do not earn at least a "C" in their ESL courses at the 250 level, they will be required to retake the ESL courses during the next term. Students who fail courses at the 200 level and/or earn below a "C" at the 250 level, will only be allowed to take university courses outside of ESL based on the decision of the director of the ESL program.

Total average score - placement into ESL classes

<table>
<thead>
<tr>
<th>Total average score on La Crosse Classes/ESL levels</th>
<th>Battery</th>
</tr>
</thead>
<tbody>
<tr>
<td>49 or below – limited university admission</td>
<td>050 sections of 100 level courses</td>
</tr>
<tr>
<td>50 - 59 – limited university admission</td>
<td>16 credits of ESL required (full-time ESL)</td>
</tr>
<tr>
<td>60 - 66 – limited university admission</td>
<td>100 level courses</td>
</tr>
<tr>
<td>67 - 73 – limited university admission</td>
<td>16 credits of ESL required (full-time ESL)</td>
</tr>
<tr>
<td>74 - 76 – limited university admission</td>
<td>110 level courses</td>
</tr>
<tr>
<td>77 - 79 – limited university admission</td>
<td>150 level courses</td>
</tr>
<tr>
<td></td>
<td>Minimum of 12 credits of ESL required (allowed to take 1-4 university credits outside of ESL)</td>
</tr>
</tbody>
</table>

| 100 level courses                                 |
| 150 level courses                                 |
| 200 level courses                                 |
| 250 level courses                                 |
Minimum of eight credits of ESL required (allowed to take 1-6 university credits outside of ESL)

80 or above – full university admission

Exempt from ESL (ESL courses optional)

ESL Institute retention and probation standards

Applies to ESL courses numbered 100-203.

The academic status of an ESL-only student enrolled in pass/fail ESL courses is determined by successful completion of courses with a grade of pass (P). Performance at 80% is required for a grade of pass in ESL transcript credit only courses (ESL 100-203).

<table>
<thead>
<tr>
<th>Semesters in institute</th>
<th>Courses</th>
<th>Academic standing</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st semester</td>
<td>1-3 courses failed</td>
<td>Probation I</td>
</tr>
<tr>
<td>2nd semester</td>
<td>1-3 courses failed</td>
<td>Ineligible to continue¹</td>
</tr>
<tr>
<td>(Probation I)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3rd semester</td>
<td>1-3 courses failed</td>
<td>Ineligible to continue¹</td>
</tr>
<tr>
<td>(Probation II)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4th semester</td>
<td>1-3 courses failed</td>
<td>Ineligible to continue¹</td>
</tr>
<tr>
<td>(Probation II)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Any Semester</td>
<td>F grades in all coursework</td>
<td>Ineligible to continue¹</td>
</tr>
</tbody>
</table>

¹ A student can choose to appeal an ineligible status to an ESL appeals committee (representation from the College of Liberal Studies Dean’s Office, the ESL Institute and the Office of International Education). If the appeal is accepted and the student is reinstated, the student will be placed on Probation II. If the appeal is denied, the student can choose to appeal to the Committee on Academic Policies and Standards (CAPS). If CAPS denies the student’s appeal, the student is no longer eligible to continue in the Institute. If reinstated by the CAPS committee, the student will be placed on Probation II.

If a student has been declared ineligible three times, the student may not appeal for reinstatement to the Institute.

Students who are enrolled only in ESL Institute courses are declared ineligible to continue at the university as well. Students who are enrolled in both ESL courses and university-level courses follow ESL retention standards for ESL courses and university retention standards for university-level courses.

Intersession periods

Students who have not met the university’s English language requirement will not be allowed to enroll in courses during the intersession periods (winter intersession and summer term sessions). Appeals to this policy will be handled on an individual basis.

Our people

Program Director
Michelle Tyvoll

Lecturer
Carrie Melin
Bethany Pogreba
Scott Reber

Senior Lecturer
Kathleen Dailey

Associate Lecturer
Elizabeth White

Environmental Studies (ENV)

College of Liberal Studies
Program Director: Keith Beyer
443 Cowley Hall, 608.785.8292
email: kbeyer@uwla.edu

www.uwlax.edu/envstudies

Environmental studies is an interdisciplinary minor open to all students at UW-L. While housed in the College of Liberal Studies, the minor reaches across campus and involves environmentally concerned faculty and students from all three colleges. Its purpose is to study the environment from a broad perspective, incorporating the natural sciences, the social sciences, and the humanities.

Our people

Program Director
Keith Beyer

Lecturer
Wayne (Buzz) Bocher

Associate Lecturer
Scott Lee
Alysa Remsburg

Administrative Support
Janet Abnet

Minor

• Environmental studies minor (p. 98)

Environmental Studies Minor

Minor requirements

(All colleges)

24 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENV 201</td>
<td>Introduction to Environmental Studies</td>
<td>3</td>
</tr>
<tr>
<td>ENV 301</td>
<td>Environmental Sustainability</td>
<td>3</td>
</tr>
<tr>
<td>ENV 303</td>
<td>Issues in Environmental Studies (can be repeated for a total of six credits)</td>
<td>3</td>
</tr>
<tr>
<td>ENV 496</td>
<td>Integrative Seminar in Environmental Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

Select a minimum of three credits from each of the following three areas:

- Natural sciences (see below)
- Social sciences (see below)
- Humanities (see below)
Electives (may choose additional courses from any of the categories below as well as ENV 450 or ENV 499):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 103</td>
<td>Introductory Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 105</td>
<td>General Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 307</td>
<td>Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 341</td>
<td>Limnology</td>
<td>3</td>
</tr>
<tr>
<td>CHM 412</td>
<td>Environmental Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>ESC 211</td>
<td>Global Warming and Climate Change</td>
<td>3</td>
</tr>
<tr>
<td>GEO 200</td>
<td>Conservation of Global Environments</td>
<td>3</td>
</tr>
<tr>
<td>GEO 425</td>
<td>Biogeography</td>
<td>3</td>
</tr>
<tr>
<td>GEO 427</td>
<td>Water Resources</td>
<td>3</td>
</tr>
<tr>
<td>GEO 460</td>
<td>Environmental Hazards and Land Use</td>
<td>3</td>
</tr>
<tr>
<td>MIC 350</td>
<td>Bacterial Diversity</td>
<td>3</td>
</tr>
<tr>
<td>MIC 434</td>
<td>Aquatic Microbial Ecology</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 24

Natural sciences

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 103</td>
<td>Introductory Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 105</td>
<td>General Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 307</td>
<td>Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 341</td>
<td>Limnology</td>
<td>3</td>
</tr>
<tr>
<td>CHM 412</td>
<td>Environmental Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>ESC 211</td>
<td>Global Warming and Climate Change</td>
<td>3</td>
</tr>
<tr>
<td>GEO 200</td>
<td>Conservation of Global Environments</td>
<td>3</td>
</tr>
<tr>
<td>GEO 425</td>
<td>Biogeography</td>
<td>3</td>
</tr>
<tr>
<td>GEO 427</td>
<td>Water Resources</td>
<td>3</td>
</tr>
<tr>
<td>GEO 460</td>
<td>Environmental Hazards and Land Use</td>
<td>3</td>
</tr>
<tr>
<td>MIC 350</td>
<td>Bacterial Diversity</td>
<td>3</td>
</tr>
<tr>
<td>MIC 434</td>
<td>Aquatic Microbial Ecology</td>
<td>3</td>
</tr>
</tbody>
</table>

Social sciences

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARC 404</td>
<td>Environmental Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>CI 381</td>
<td>Environmental Education Methods</td>
<td>1</td>
</tr>
<tr>
<td>ECO 346</td>
<td>Environmental and Ecological Economics</td>
<td>3</td>
</tr>
<tr>
<td>HED 335</td>
<td>Human Ecology and Environmental Health</td>
<td>3</td>
</tr>
<tr>
<td>POL 318</td>
<td>Environmental Politics and Policy Making</td>
<td>3</td>
</tr>
<tr>
<td>PSY 302</td>
<td>Environmental Issues: Applied Psychology</td>
<td>3</td>
</tr>
<tr>
<td>REC 202</td>
<td>Leisure, Nature, and Contemplative Experiences</td>
<td>2</td>
</tr>
<tr>
<td>SOC 311</td>
<td>Rural and Urban Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 328</td>
<td>Environmental Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC/ANT 360</td>
<td>Catastrophes and Human Societies</td>
<td>3</td>
</tr>
<tr>
<td>SOC/ERS 363</td>
<td>American Indians and the Environment</td>
<td>3</td>
</tr>
</tbody>
</table>

Humanities

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CST 215</td>
<td>Influence, Advocacy and Social Responsibility</td>
<td>3</td>
</tr>
<tr>
<td>ENG 445</td>
<td>Literature and Environmental Action</td>
<td>3</td>
</tr>
<tr>
<td>HIS 317</td>
<td>American Environmental History</td>
<td>3</td>
</tr>
<tr>
<td>HIS 321</td>
<td>Wisconsin History</td>
<td>3</td>
</tr>
<tr>
<td>HIS 379</td>
<td>African Environmental History</td>
<td>3</td>
</tr>
<tr>
<td>HIS 391</td>
<td>History of Environmental Policy in the United States</td>
<td>3</td>
</tr>
<tr>
<td>PHL 341</td>
<td>Environmental Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHL 425</td>
<td>Wilderness Philosophy</td>
<td>3</td>
</tr>
</tbody>
</table>

Some departments, because they offer several of their own courses for the environmental studies minor, limit the number of credits that their majors may apply to the environmental studies minor.

- **Biology majors** may not apply any biology credits toward the minor.
- **Geography majors** may apply a maximum of six credits to the minor.
- **Health education and health promotion majors** may not apply HED 335 to the minor.
- **Sociology or archaeological studies majors** may apply a maximum of three credits to both their major and minor.

Ethnic and Racial Studies (ERS)

College of Liberal Studies
224 Wimberly Hall; 608.785.8223
Department Chair: Carol K. Oyster
608.785.8222
Email: coyster@uwlax.edu

www.uwlax.edu/EthnicStudies

The Department of Ethnic and Racial Studies is designed to provide students with exposure to the primary American ethnic and racial groups. Courses offered in the program relate to African Americans, Asian Americans, Latino/as, and American Indians. Courses in the department examine the history and experiences of these minorities in the United States. The primary objective of the Department of Ethnic and Racial Studies is to develop and foster knowledge and appreciation of the multicultural and multiracial reality of the American society.

Program Features

The program (minor) is open to students in all schools and colleges within the university. The minor utilizes an interdisciplinary approach, integrating various concepts to provide a comprehensive perspective on the historic treatment and the contemporary experience of racial and ethnic minorities in the United States. Those students seeking a minor in ethnic and racial studies must complete a minimum of eighteen credits; twelve required from the Institute for Ethnic and Racial Studies and six elective credits from participating departments.

Our people

Professor
Carol Oyster

Associate Professor
Sarah Shillinger

Assistant Professor
Richard Breaux

Senior Lecturer
Audry Mouser Elegbede

Associate Lecturer
Nicholas Villanueva

Minor

- Ethnic and racial studies minor (p. 99)

Ethnic and Racial Studies Minor

Minor requirements

(All colleges)

18 credits

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ERS 100</td>
<td>Introduction to Ethnic and Racial Studies (ES)</td>
<td>3</td>
</tr>
<tr>
<td>ERS 220</td>
<td>Ethnic and Racial Stereotyping in the Media</td>
<td>3</td>
</tr>
<tr>
<td>ERS 351</td>
<td>Ethnic and Racial Relations</td>
<td>3</td>
</tr>
</tbody>
</table>
ERS 490  Ethnic and Racial Studies Seminar  3
Select six credits of the following:  6
ANT 343  North American Indians
CHE 453  Cultural Issues in Health Education: Ethnic, Racial, Religious and Familial Groups
CST 332  Intercultural Communication
CST 337  Communication and Race
EFN 486  Multicultural Education
ENG/ERS 207  Multicultural Literature of the United States (ES)
ENG/ERS 210  Literature of Black America (ES)
ENG/ERS 215  African American Authors (ES)
ENG 380  Literature of American Ethnic and Minority Cultures
ENG 381  American Indian Literature
ENG 382  Latino Literature in English
ENG 477  African American Essay and Short Story
ENG 478  20th Century African American Novels
ERS 253  Introduction to Wisconsin Indians
ERS 300  Topics and Symposium in Minority Studies
ERS 400  Individual Study in Ethnic and Racial Studies
ERS 410  Contemporary Issues in Minority Cultures
HIS 306  History of Ethnic America (ES)
HIS 310  Native American History
HIS 336  Hispanics in the United States (ES)
HIS/WGS 370  The History of Black Women’s Activism
HIS/ERS 409  20th Century Civil Rights Movement
HIS/ERS 411  20th Century African American Urban History
PHL/ERS 321  American Indian Thought
PHL 335  Multicultural Philosophy in the United States (ES)
POL 342  Identity Politics
PSY 282  Cross-Cultural Psychology
PSY 285  Culture and Mental Health: An Applied Perspective (ES)
PSY 360  Cross Cultural Human Development
PSY/ERS 415  Multicultural Counseling
PSY/ERS 442  Racism and Oppression
PSY/ERS 443  Prejudice and Stigma
SOC 225  Racial and Ethnic Minorities (ES)
SOC/ERS 343  American Indian Contemporary Issues
SOC/ANT/ERS 362  Hmong Americans
SOC/ERS 363  American Indians and the Environment
THA 130  Multicultural U.S. Plays: Acting the Text
WGS 230  Women’s Diversity: Race, Class, and Culture (ES)

Total Credits 18

At least nine credits must be at the 300/400 level. Students may not apply courses used on their major to the ERS minor.

Gerontology (GTL)

The gerontology emphasis is a multi-disciplinary program designed to assist students planning to enter career-related areas directly involving older persons. The study of gerontology will also help students prepare for their own aging as well as to develop a better understanding of and to seek enrichment for the lives of aging parents and our aging populations.

Gerontology Emphasis applicable to college core

If a student declares gerontology as an emphasis, it will appear on the student’s transcript and advisement report. As an emphasis, gerontology coursework counts toward a student’s 120 credits and can overlay with required courses in the major and the minor. In order for gerontology to apply on a college core in place of a minor, the student must complete at least 18 credits outside of his/her major. For College of Liberal Studies students, 12 of the credits must be at the 300/400 level; for BS students from the College of Science and Health, 18 credits at 300/400 level credits; for BA students from the College of Science and Health, 15 credits at 300/400 level.

Gerontology Steering Committee

The Gerontology Steering Committee recommends standards for recognition of undergraduate student work in gerontology including the gerontology emphasis. The committee differentiates between coursework that is part of the gerontology core and coursework that is supportive of an emphasis in gerontology. The coordinators may approve fieldwork and/or additional supportive courses to meet the requirements of the gerontology emphasis.

Our people

Program Coordinators
Coordinators: Ellen Rozek, PhD and Erica Srinivasan, PhD - Psychology
E-mail: erozek@uwlaus.edu or esrinivasan@uwlaus.edu

Advisors
George Cravins, Geography
Mark Gibson, Exercise and Sport Science
Andrea Hansen, Women’s, Gender, and Sexuality Studies
Bob Jecklin, Health Education and Health Professions
John Kovari, Political Science/Public Administration
Dawn Norris, Sociology
Vivek Pandre, Business
Nancy Richeson, Therapeutic Recreation
Donald Sloan, Art

Emphasis

Gerontology emphasis

(All colleges)

15 credits with at least six credits from the core and the remaining credits from the core, supportive courses, or other gerontology-related coursework approved by the Gerontology Steering Committee.
Gerontology core
Select six credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HED 473</td>
<td>Health Aspects of Aging</td>
</tr>
<tr>
<td>PSY 358</td>
<td>Adulthood</td>
</tr>
<tr>
<td>RTH 345</td>
<td>Leisure in Gerontology</td>
</tr>
<tr>
<td>SOC 422</td>
<td>Death, Grief, and Bereavement</td>
</tr>
</tbody>
</table>

Total Credits: 6

These courses focus on older adults and are approved by the Steering Committee for the gerontology emphasis. The Steering Committee will consider experimental courses, workshops, independent study, and for-credit field experience as part of the gerontology core when the course faculty affirm that the course focuses on the lives of older adults.

Supportive courses
Select at least nine credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 471</td>
<td>Health Economics</td>
</tr>
<tr>
<td>ESS 443</td>
<td>Fitness Across the Lifespan</td>
</tr>
<tr>
<td>GEO 300</td>
<td>Population Geography</td>
</tr>
<tr>
<td>HED 320</td>
<td>The U.S. Health Care System</td>
</tr>
<tr>
<td>HED 485</td>
<td>Confrontations of Death</td>
</tr>
<tr>
<td>PHL 339</td>
<td>Medical Ethics</td>
</tr>
<tr>
<td>POL 313</td>
<td>Public Policy</td>
</tr>
<tr>
<td>PSY 359</td>
<td>Aging and the Elderly</td>
</tr>
<tr>
<td>RTH 326</td>
<td>Therapeutic Recreation Populations I</td>
</tr>
<tr>
<td>RTH 480</td>
<td>Leisure Education</td>
</tr>
<tr>
<td>SOC 320</td>
<td>Demography</td>
</tr>
<tr>
<td>SOC 420</td>
<td>Health Care and Illness</td>
</tr>
</tbody>
</table>

Total Credits: 9

Supportive courses do not exclusively focus on older adults, but these courses support an improved understanding of older adults. The Steering Committee will consider experimental courses, workshops, independent study, and for-credit field experience as supportive courses in a gerontology emphasis when the course faculty describes how the course indirectly supports learning about the lives of older adults.

History (HIS)

College of Liberal Studies
Interim Department Chair: John Grider
401A Wimberly Hall; 608/785-8350
Email: clee@uw lax.edu

www.uwlax.edu/history

Our Mission
The mission of the UW-La Crosse Department of History is to provide leadership in history education and scholarship. We provide our students with a solid foundation in the critical thinking and analytical skills necessary for interpreting documents and historical research. We develop historical understanding and global perspective through courses in the university's general education program and a balanced world history curriculum, strengthened by faculty specialties in a wide range of time periods, cultures, geographical areas, and thematic approaches. Our public history program develops analytical and interpretive skills through a curriculum focusing on material culture studies, oral history, cultural resource management, and community studies. Our programs prepare students for opportunities in fields such as teacher education, editing, archives and museum studies, as well as for careers in law and government. Finally, we serve the community by sharing our expertise when issues of historical importance engage the public's interest.

Courses numbered HIS 100-299 are primarily for first years and sophomores. Courses numbered HIS 300-499 are open to sophomores, juniors, seniors, and to those first years who have appropriate general education background.

Advanced placement
Advanced placement exams to earn credit are available in American history or European history as developed and administered by the Educational Testing Services (ETS), Princeton, New Jersey. Information is available from the department chair.

Our people

Professor
Deborah Buffton
Mark Chavalas
Victor Macias-Gonzalez

Associate Professor
Jess Hollenback
Shelley Sinclair
Jennifer Trost
Julie Weiskopf

Assistant Professor
Ariel Beauthot
John Grider
Gerald Iguchi
James Longhurst
Marti Lybeck
Heidi Morrison
Gita Pai
Kenneth Shonk
Patricia Stovey
Tiffany Trimmer

Lecturer
Barbara Kooiman

Administrative Support
Rebecca Viner

Majors
- History major - BA (p. 102)
- History major - BS (p. 105)
• History major with regional emphasis - BA (p. 107)
• History major with regional emphasis - BS (p. 110)
• History major with topical emphasis - BA (p. 113)
• History major with topical emphasis - BS (p. 116)
• History education major (early adolescence-adolescence certification) - BS (p. 119)
• Social studies education (broad field) major (early adolescence-adolescence certification) (p. 120)

Minors
• History minor (p. 121)
• History minor with regional emphasis (p. 123)
• History minor with topical emphasis (p. 124)
• History education minor (p. 125)

History Major - Bachelor of Arts (BA)

HISTORY MAJOR
This is the most comprehensive of the history majors, with requirements that diversify the degree to cover as much of the world as can be done in a 40-credit undergraduate degree. Like all majors, this one requires the completion of two courses unique to history students (HIS 200 and HIS 490), and then three courses from the 200-level surveys of regional history.

Along with that foundation, the history major requires the completion of the following: one course from a list which covers the history of women, gender and sexuality; two courses on U.S. history; one course each on Asia, Latin America, Europe, and Africa; and one course on the classical world or religious history.

A degree in history: B.A. or B.S.?
Along with choosing a major program in history, you will need to choose the degree -- that is, whether that major is a Bachelor of Arts (B.A.) or Bachelor of Science (B.S.) degree. We can broadly describes the differences between the two; specific and up-to-date requirements are on the major and degree requirements tabs above.

With the B.A., you spend up to two years learning a modern language; with the B.S., you conduct additional coursework in the sciences. This is an important decision with long-term implications. Think about the following:

• Will you have the language skills to succeed in the workplace?
• Do you see yourself living in a major metropolitan area where business and public affairs are regularly conducted in languages other than English?
• Are you thinking about graduate studies in history? Most Ph.D. programs require the ability to read in at least one language other than English.
• Are you considering international journalism or business?
• Do you already have, or plan to take, additional courses in the sciences that might not count towards a B.A.?
• Are your interests in history linked to scientific, medical, or technological issues?
• Will you work in the public sector, in education or health?

For many outcomes, it is likely that you will need to work in a language other than English to succeed. UW-L offers training in Chinese, French, German, Spanish, Russian and other modern languages. Explore the options! If you have already completed language training in High School, you may already be ahead of the game. See the Department of Modern Languages for additional information on this topic. For the B.A., you will need to complete the equivalent of two years of training in a modern language. For the B.S., you will need to complete one additional course related to the sciences, and also a research-emphasis course or sequence of courses in the major. For history, this is HIS 490.

Regardless of whether you complete the B.A. or B.S. degree, you will still need to decide on your major.

Major requirements

(All colleges, excluding teacher certification programs)

40 credits

Core requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HIS 200</td>
<td>Historiography and Historical Methods</td>
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<tr>
<td>HIS 490</td>
<td>History Research Seminar</td>
<td>4</td>
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<td>Select nine credits of the following:</td>
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<tr>
<td>HIS 210</td>
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<td></td>
</tr>
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<td>HIS 230</td>
<td>The Ancient and Medieval Worlds</td>
<td></td>
</tr>
<tr>
<td>HIS 240</td>
<td>Survey of Modern Europe</td>
<td></td>
</tr>
<tr>
<td>HIS 250</td>
<td>The Asian World</td>
<td></td>
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<tr>
<td>HIS 260</td>
<td>Survey of the Middle East</td>
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</tr>
<tr>
<td>HIS 285</td>
<td>Survey of Modern African History</td>
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<tr>
<td>Select 24 credits from the following four categories</td>
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<td></td>
</tr>
<tr>
<td>History of women, gender and sexuality (see below)</td>
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<td>3</td>
</tr>
<tr>
<td>U.S. history (see below)</td>
<td></td>
<td>6</td>
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<tr>
<td>Regional/world cultural zones (see below)</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>Classical world/religions (see below)</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>40</td>
</tr>
</tbody>
</table>

History of women, gender and sexuality

Select one of the following: 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 301</td>
<td>Women in the Modern United States: 1890-Present</td>
</tr>
<tr>
<td>HIS 305</td>
<td>History of Motherhood in the United States</td>
</tr>
<tr>
<td>HIS 315</td>
<td>History of Feminist Thought</td>
</tr>
<tr>
<td>HIS 359</td>
<td>Women, Gender and Sexuality in Modern Europe</td>
</tr>
<tr>
<td>HIS 360</td>
<td>Women, Gender, and Sexuality in Latin America</td>
</tr>
<tr>
<td>HIS 370</td>
<td>The History of Black Women’s Activism</td>
</tr>
<tr>
<td>HIS 372</td>
<td>History of Women in the Ancient World</td>
</tr>
<tr>
<td>HIS 386</td>
<td>Women and Gender in Africa</td>
</tr>
<tr>
<td>HIS 389</td>
<td>Women and Gender in the Middle East</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
</tr>
</tbody>
</table>

U.S. history

Select two of the following: 6

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 308</td>
<td>Reforming U.S. Society</td>
</tr>
<tr>
<td>HIS 310</td>
<td>Native American History</td>
</tr>
<tr>
<td>HIS 313</td>
<td>Colonial &amp; Revolutionary America</td>
</tr>
<tr>
<td>HIS 316</td>
<td>Vietnam War</td>
</tr>
<tr>
<td>HIS 317</td>
<td>American Environmental History</td>
</tr>
<tr>
<td>HIS 319</td>
<td>Readings in Twentieth Century U.S. History</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
</tr>
</tbody>
</table>
### Regional/world cultural zones

#### Asia
Select one of the following: 3
- HIS 316 Vietnam War
- HIS 334 Aspects of Chinese History
- HIS 335 History of China
- HIS 382 Imperialism in Asia and the Pacific
- HIS 394 Modern Japanese History
- HIS 395 Postwar Japanese History
- HIS 404 Migration and Empire
- HIS 405 Migration: Personal Accounts
- HIS 412 Global Trade and Labor, 1500 to Present

#### Latin America
Select one of the following: 3
- HIS 341 Nineteenth Century Latin America
- HIS 342 Twentieth Century Latin America
- HIS 344 Colonial Latin America
- HIS 347 A History of Greater Mexico
- HIS 356 History of Mexico
- HIS 404 Migration and Empire
- HIS 405 Migration: Personal Accounts
- HIS 412 Global Trade and Labor, 1500 to Present

#### Europe
Select one of the following: 3
- HIS 311 Dilemmas of Peace and War
- HIS/ANT 312 Peoples and Cultures of Eastern Europe and the Former Soviet Union
- HIS 314 The Holocaust
- HIS 339 History of Russia and the Soviet Union
- HIS 346 History of the Middle Ages
- HIS 348 Renaissance and Reformation
- HIS 349 History of Modern Europe (20th Century)
- HIS 350 Episodes in French History
- HIS 351 History of France: 1750 - Present
- HIS 352 History of Modern Germany
- HIS 354 Spain to 1700
- HIS 355 England to 1603
- HIS 358 French Revolution
- HIS 373 World War I

#### Classical world/religions
Select one of the following: 3
- HIS 204 Ancient Literate Civilizations
- HIS 326 Modern Christianity
- HIS 327 History of Buddhism
- HIS 328 History of Hinduism
- HIS 329 History of Islam
- HIS 330 History of Religions
- HIS 331 The Ancient Greek World
- HIS 332 Ancient Rome and the Mediterranean
- HIS 333 Christianity to 1517
- HIS 340 Origins of Cities
- HIS 353 Maya Civilization
- HIS 365 Ancient Iraq
- HIS 366 Ancient Israel
- HIS 367 Ancient Egypt
- HIS 374 Ancient Turkey
- HIS 375 Iran before Islam
- HIS 396 Ancient Syria
- HIS 401 History and Japanese Religions

### Degree requirements
All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 103)
- Baccalaureate degree requirements (p. 104)

### CLS Bachelor of Arts core requirements
The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages” (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: "Mathematical/logical systems and modern languages” (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track
   1. Native speakers of English complete:
      Select one of the following:
      - CHI 202 Intermediate Chinese II
      - FRE 202 Intermediate French II
      - GER 202 Intermediate German II
      - RUS 202 Intermediate Russian II
      - SPA 202 Intermediate Spanish II
      - MLG 202 World Languages: Intermediate I
      - MLG 204 Heritage Language: Intermediate
      - MLG 304 Heritage Language: Advanced

   Non-native speakers of English: score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university’s English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations); and
   2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

B. Humanities track
   1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
   2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
   3. One additional course in social sciences or fine arts.

C. Fine arts track
   1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
   2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
   3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:
   1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
   2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
   3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

   1. Fulfill the general education requirements.
   2. Complete at least one ethnic studies (diversity) course.
   3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
   4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. A. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
   5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
   6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
   7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.
History Major - Bachelor of Science (BS)

HISTORY MAJOR

This is the most comprehensive of the history majors, with requirements that diversify the degree to cover as much of the world as can be done in a 40-credit undergraduate degree. Like all majors, this one requires the completion of two courses unique to history students (HIS 200 and HIS 490), and then three courses from the 200-level surveys of regional history.

Along with that foundation, the history major requires the completion of the following: one course from a list which covers the history of women, gender and sexuality; two courses on U.S. history; one course each on Asia, Latin America, Europe, and Africa; and one course on the classical world or religious history.

A degree in history: B.A. or B.S.?

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- Are you thinking about graduate studies in history? Most Ph.D. programs require the ability to read in at least one language other than English.
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For many outcomes, it is likely that you will need to work in a language other than English to succeed. UW-L offers training in Chinese, French, German, Spanish, Russian and other modern languages. Explore the options! If you have already completed language training in High School, you may already be ahead of the game. See the Department of Modern Languages for additional information on this topic. For the B.A., you will need to complete the equivalent of two years of training in a modern language. For the B.S., you will need to complete one additional course related to the sciences, and also a research-emphasis course or sequence of courses in the major. For history, this is HIS 490.

Regardless of whether you complete the B.A. or B.S. degree, you will still need to decide on your major.

Major requirements

(All colleges, excluding teacher certification programs)

40 credits

Core requirements

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</tr>
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</tr>
<tr>
<td>HIS 240</td>
<td>Survey of Modern Europe</td>
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<tr>
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<td>The Asian World</td>
<td>3</td>
</tr>
<tr>
<td>HIS 260</td>
<td>Survey of the Middle East</td>
<td>3</td>
</tr>
<tr>
<td>HIS 285</td>
<td>Survey of Modern African History</td>
<td>3</td>
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</table>

Select 24 credits from the following four categories

History of women, gender and sexuality (see below) 3
U.S. history (see below) 6
Regional/world cultural zones (see below) 12
Classical world/religions (see below) 3

Total Credits 40

History of women, gender and sexuality

Select one of the following: 3

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</tr>
<tr>
<td>HIS 386</td>
<td>Women and Gender in Africa</td>
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<tr>
<td>HIS 389</td>
<td>Women and Gender in the Middle East</td>
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Total Credits 3

U.S. history

Select two of the following: 6

<table>
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<tbody>
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<td>Colonial &amp; Revolutionary America</td>
</tr>
<tr>
<td>HIS 316</td>
<td>Vietnam War</td>
</tr>
<tr>
<td>HIS 317</td>
<td>American Environmental History</td>
</tr>
<tr>
<td>HIS 319</td>
<td>Readings in Twentieth Century U.S. History</td>
</tr>
<tr>
<td>HIS 320</td>
<td>Introduction to Public and Policy History</td>
</tr>
<tr>
<td>HIS 321</td>
<td>Wisconsin History</td>
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<tr>
<td>HIS 322</td>
<td>History of Public Education in United States</td>
</tr>
<tr>
<td>HIS 323</td>
<td>World War II</td>
</tr>
<tr>
<td>HIS 324</td>
<td>Civil War and Reconstruction</td>
</tr>
<tr>
<td>HIS 325</td>
<td>America in the Cold War</td>
</tr>
<tr>
<td>HIS 336</td>
<td>Hispanics in the United States (ES)</td>
</tr>
<tr>
<td>HIS 343</td>
<td>U.S. Borderlands</td>
</tr>
<tr>
<td>HIS 345</td>
<td>U.S.-Latin American Relations</td>
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<tr>
<td>HIS 377</td>
<td>U.S. Labor History</td>
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<tr>
<td>HIS 378</td>
<td>History of the U.S. West</td>
</tr>
<tr>
<td>HIS 409</td>
<td>20th Century Civil Rights Movement</td>
</tr>
<tr>
<td>HIS 411</td>
<td>20th Century African American Urban History</td>
</tr>
</tbody>
</table>

Total Credits 6
### Regional/world cultural zones

#### Asia
Select one of the following: 
- HIS 316 Vietnam War
- HIS 334 Aspects of Chinese History
- HIS 335 History of China
- HIS 382 Imperialism in Asia and the Pacific
- HIS 394 Modern Japanese History
- HIS 395 Postwar Japanese History
- HIS 404 Migration and Empire
- HIS 405 Migration: Personal Accounts
- HIS 412 Global Trade and Labor, 1500 to Present

Total Credits 12

#### Latin America
Select one of the following: 
- HIS 341 Nineteenth Century Latin America
- HIS 342 Twentieth Century Latin America
- HIS 344 Colonial Latin America
- HIS 347 A History of Greater Mexico
- HIS 356 History of Mexico
- HIS 404 Migration and Empire
- HIS 405 Migration: Personal Accounts
- HIS 412 Global Trade and Labor, 1500 to Present

Total Credits 12

#### Europe
Select one of the following: 
- HIS 311 Dilemmas of Peace and War
- HIS/ANT 312 Peoples and Cultures of Eastern Europe and the Former Soviet Union
- HIS 314 The Holocaust
- HIS 339 History of Russia and the Soviet Union
- HIS 346 History of the Middle Ages
- HIS 348 Renaissance and Reformation
- HIS 349 History of Modern Europe (20th Century)
- HIS 350 Episodes in French History
- HIS 351 History of France: 1750 - Present
- HIS 352 History of Modern Germany
- HIS 354 Spain to 1700
- HIS 355 England to 1603
- HIS 358 French Revolution
- HIS 373 World War I
- HIS 404 Migration and Empire
- HIS 405 Migration: Personal Accounts
- HIS 412 Global Trade and Labor, 1500 to Present

Total Credits 12

#### Africa
Select one of the following: 
- HIS 385 Modern African History
- HIS 387 African Novels and History
- HIS 388 Comparative Slave Systems
- HIS 397 Social History of African Nationalist Movements
- HIS 398 Social History of Colonial Africa
- HIS 404 Migration and Empire
- HIS 405 Migration: Personal Accounts
- HIS 412 Global Trade and Labor, 1500 to Present

Total Credits 12

### Classical world/religions

Select one of the following: 
- HIS 204 Ancient Literate Civilizations
- HIS 326 Modern Christianity
- HIS 327 History of Buddhism
- HIS 328 History of Hinduism
- HIS 329 History of Islam
- HIS 330 History of Religions
- HIS 331 The Ancient Greek World
- HIS 332 Ancient Rome and the Mediterranean
- HIS 333 Christianity to 1517
- HIS 340 Origins of Cities
- HIS 353 Maya Civilization
- HIS 365 Ancient Iraq
- HIS 366 Ancient Israel
- HIS 367 Ancient Egypt
- HIS 374 Ancient Turkey
- HIS 375 Iran before Islam
- HIS 396 Ancient Syria
- HIS 401 History and Japanese Religions

Total Credits 3

### Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 106)
- Baccalaureate degree requirements (p. 107)

### CLS Bachelor of Science core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.
Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2).

Bachelor of Science students complete four courses outside the department of the student’s major as follows:
1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 339); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:
1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees
Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:
1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

History Major with Regional Emphasis - Bachelor of Arts (BA)
The regional emphasis history major allows students to specialize in one region or time period from history, while still accumulating a broad foundation in the survey-level and professionalizing courses that make up the core history experience. In this regional emphasis, students can take 12 credits on a single area -- European, Asian, U.S., Latin American, Ancient and Medieval World, or African and African Diaspora.

Courses for each region
All faculty in the department teach courses that satisfy the requirements in the regional emphasis. Consult the major requirements tab for this major to see which courses count for which region.

Major requirements
(All colleges, excluding teacher certification programs)
40 credits

Core requirements

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<td>Historiography and Historical Methods</td>
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</tr>
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<td>HIS 210</td>
<td>Survey of United States History</td>
<td>3</td>
</tr>
<tr>
<td>HIS 230</td>
<td>The Ancient and Medieval Worlds</td>
<td>3</td>
</tr>
<tr>
<td>HIS 240</td>
<td>Survey of Modern Europe</td>
<td>3</td>
</tr>
<tr>
<td>HIS 250</td>
<td>The Asian World</td>
<td>3</td>
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<tr>
<td>HIS 260</td>
<td>Survey of the Middle East</td>
<td>3</td>
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<tr>
<td>HIS 285</td>
<td>Survey of Modern African History</td>
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History of women, gender, and sexuality

Select three credits of the following: 3

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<td>Women, Gender and Sexuality in Modern Europe</td>
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<td>History of Women in the Ancient World</td>
</tr>
<tr>
<td>HIS 383</td>
<td>Women in South Asia</td>
</tr>
<tr>
<td>HIS 386</td>
<td>Women and Gender in Africa</td>
</tr>
<tr>
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<td>Women and Gender in the Middle East</td>
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Classical world/religions

Select three credits of the following: 3

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<tbody>
<tr>
<td>HIS 204</td>
<td>Ancient Literate Civilizations</td>
</tr>
<tr>
<td>HIS 326</td>
<td>Modern Christianity</td>
</tr>
<tr>
<td>HIS 327</td>
<td>History of Buddhism</td>
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### Asian focus

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<td>Vietnam War</td>
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<td>HIS 334</td>
<td>Aspects of Chinese History</td>
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<td>HIS 335</td>
<td>History of China</td>
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<td>HIS 361</td>
<td>Israeli-Palestinian Conflict</td>
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<td>HIS 362</td>
<td>Human Rights and the Middle East</td>
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<tr>
<td>HIS 363</td>
<td>Modern Indian History and Culture</td>
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<tr>
<td>HIS 364</td>
<td>Gandhi’s India</td>
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### European focus

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<td>Peoples and Cultures of Eastern Europe and the Former Soviet Union</td>
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<td>The Holocaust</td>
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<td>HIS 339</td>
<td>History of Russia and the Soviet Union</td>
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<tr>
<td>HIS 346</td>
<td>History of the Middle Ages</td>
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<td>HIS 348</td>
<td>Renaissance and Reformation</td>
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<td>HIS 349</td>
<td>History of Modern Europe (20th Century)</td>
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<td>HIS 350</td>
<td>Episodes in French History</td>
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<td>HIS 351</td>
<td>History of France: 1750 - Present</td>
<td>3</td>
</tr>
<tr>
<td>HIS 352</td>
<td>History of Modern Germany</td>
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<td>HIS 354</td>
<td>Spain to 1700</td>
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<td>HIS 355</td>
<td>England to 1603</td>
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</tr>
<tr>
<td>HIS 358</td>
<td>French Revolution</td>
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</tr>
<tr>
<td>HIS 359</td>
<td>Women, Gender and Sexuality in Modern Europe</td>
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<tr>
<td>HIS 373</td>
<td>World War I</td>
<td>3</td>
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<tr>
<td>HIS 404</td>
<td>Migration and Empire</td>
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<td>HIS 405</td>
<td>Migration: Personal Accounts</td>
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<tr>
<td>HIS 412</td>
<td>Global Trade and Labor, 1500 to Present</td>
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### Latin American focus

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<td>HIS 342</td>
<td>Twentieth Century Latin America</td>
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<td>HIS 344</td>
<td>Colonial Latin America</td>
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<td>HIS 347</td>
<td>A History of Greater Mexico</td>
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<td>HIS 356</td>
<td>History of Mexico</td>
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<td>HIS 404</td>
<td>Migration and Empire</td>
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<tr>
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<td>Migration: Personal Accounts</td>
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</tr>
<tr>
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### Ancient/medieval world focus

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<td>History of Buddhism</td>
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</tr>
<tr>
<td>HIS 329</td>
<td>History of Islam</td>
<td>3</td>
</tr>
<tr>
<td>HIS 331</td>
<td>The Ancient Hinduism</td>
<td>3</td>
</tr>
<tr>
<td>HIS 332</td>
<td>Ancient Rome and the Mediterranean</td>
<td>3</td>
</tr>
<tr>
<td>HIS 333</td>
<td>Christianity to 1517</td>
<td>3</td>
</tr>
<tr>
<td>HIS 340</td>
<td>Origins of Cities</td>
<td>3</td>
</tr>
<tr>
<td>HIS 346</td>
<td>History of the Middle Ages</td>
<td>3</td>
</tr>
<tr>
<td>HIS 353</td>
<td>Maya Civilization</td>
<td>3</td>
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### United States focus

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<tbody>
<tr>
<td>HIS 301</td>
<td>Women in the Modern United States: 1890-present</td>
<td>3</td>
</tr>
<tr>
<td>HIS 308</td>
<td>Reforming U.S. Society</td>
<td>3</td>
</tr>
<tr>
<td>HIS 310</td>
<td>Native American History</td>
<td>3</td>
</tr>
<tr>
<td>HIS 313</td>
<td>Colonial &amp; Revolutionary America</td>
<td>3</td>
</tr>
<tr>
<td>HIS 316</td>
<td>Vietnam War</td>
<td>3</td>
</tr>
<tr>
<td>HIS 317</td>
<td>American Environmental History</td>
<td>3</td>
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<tr>
<td>HIS 319</td>
<td>Readings in Twentieth Century U.S. History</td>
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<tr>
<td>HIS 320</td>
<td>Introduction to Public and Policy History</td>
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<td>HIS 321</td>
<td>Wisconsin History</td>
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<tr>
<td>HIS 322</td>
<td>History of Public Education in United States</td>
<td>3</td>
</tr>
<tr>
<td>HIS 323</td>
<td>World War II</td>
<td>3</td>
</tr>
<tr>
<td>HIS 324</td>
<td>Civil War and Reconstruction</td>
<td>3</td>
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<tr>
<td>HIS 325</td>
<td>America in the Cold War</td>
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</tr>
<tr>
<td>HIS 336</td>
<td>Hispanics in the United States (ES)</td>
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<tr>
<td>HIS 343</td>
<td>U.S. Borderlands</td>
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</tr>
<tr>
<td>HIS 345</td>
<td>U.S.-Latin American Relations</td>
<td>3</td>
</tr>
<tr>
<td>HIS 377</td>
<td>U.S. Labor History</td>
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</tr>
<tr>
<td>HIS 378</td>
<td>History of the U.S. West</td>
<td>3</td>
</tr>
<tr>
<td>HIS 409</td>
<td>20th Century Civil Rights Movement</td>
<td>3</td>
</tr>
<tr>
<td>HIS 411</td>
<td>20th Century African American Urban History</td>
<td>3</td>
</tr>
<tr>
<td>HIS 412</td>
<td>Global Trade and Labor, 1500 to Present</td>
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</tr>
</tbody>
</table>
Bachelor of Science degrees:
The following conditions apply to one or both Bachelor of Arts and CLS Bachelor of Arts core requirements

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track

1. Native speakers of English complete:
   Select one of the following:
   - CHI 202 Intermediate Chinese II
   - FRE 202 Intermediate French II
   - GER 202 Intermediate German II
   - RUS 202 Intermediate Russian II
   - SPA 202 Intermediate Spanish II
   - MLG 202 World Languages: Intermediate II
   - MLG 204 Heritage Language: Intermediate
   - MLG 304 Heritage Language: Advanced

B. Humanities track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside of the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

C. Fine arts track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside of the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program.

General education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• College core (p. 109)
• Baccalaureate degree requirements (p. 110)

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).
courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees
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1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
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No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

History Major with Regional Emphasis - Bachelor of Science (BS)
The regional emphasis history major allows students to specialize in one region or time period from history, while still accumulating a broad foundation in the survey-level and professionalizing courses that make up the core history experience. In this regional emphasis, students can take 12 credits on a single area -- European, Asian, U.S., Latin American, Ancient and Medieval World, or African and African Diaspora.

Courses for each region
All faculty in the department teach courses that satisfy the requirements in the regional emphasis. Consult the major requirements tab for this major to see which courses count for which region.

Major requirements
(All colleges, excluding teacher certification programs)

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Core requirements

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<tbody>
<tr>
<td>HIS 210</td>
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<tr>
<td>HIS 230</td>
<td>The Ancient and Medieval Worlds</td>
<td>3</td>
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<td>HIS 260</td>
<td>Survey of the Middle East</td>
<td>3</td>
</tr>
<tr>
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History of women, gender, and sexuality

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<td>HIS 383</td>
<td>Women in South Asia</td>
<td>3</td>
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<td>HIS 386</td>
<td>Women and Gender in Africa</td>
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<tr>
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Classical world/religions

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<td>History of Islam</td>
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<td>History of Religions</td>
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<td>Ancient Israel</td>
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<td>HIS 367</td>
<td>Ancient Egypt</td>
<td>3</td>
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<td>History of Babylonian Language and Culture I</td>
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<td>History of Babylonian Language and Culture II</td>
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<td>Ancient Turkey</td>
<td>3</td>
</tr>
<tr>
<td>HIS 375</td>
<td>Iran before Islam</td>
<td>3</td>
</tr>
<tr>
<td>HIS 396</td>
<td>Ancient Syria</td>
<td>3</td>
</tr>
<tr>
<td>HIS 401</td>
<td>History and Japanese Religions</td>
<td>3</td>
</tr>
</tbody>
</table>
Selected area of focus
Select 12 credits from one selected area of focus, with no more than three credits of the 12 coming from disciplines outside the HIS department (see below for lists)

Electives
Select six credits of electives from HIS 200/300/400 level courses (excluding HIS 490)

Total Credits 40

European focus

HIS 311 Dilemmas of Peace and War 3
HIS 312 Peoples and Cultures of Eastern Europe and the Former Soviet Union 3
HIS 314 The Holocaust 3
HIS 339 History of Russia and the Soviet Union 3
HIS 346 History of the Middle Ages 3
HIS 348 Renaissance and Reformation 3
HIS 349 History of Modern Europe (20th Century) 3
HIS 350 Episodes in French History 3
HIS 351 History of France: 1750 - Present 3
HIS 352 History of Modern Germany 3
HIS 354 Spain to 1700 3
HIS 355 England to 1603 3
HIS 358 French Revolution 3
HIS 359 Women, Gender and Sexuality in Modern Europe 3
HIS 373 World War I 3
HIS 404 Migration and Empire 3
HIS 405 Migration: Personal Accounts 3
HIS 412 Global Trade and Labor, 1500 to Present 3

Asian focus

HIS 316 Vietnam War 3
HIS 334 Aspects of Chinese History 3
HIS 335 History of China 3
HIS 361 Israeli-Palestinian Conflict 3
HIS 362 Human Rights and the Middle East 3
HIS 363 Modern Indian History and Culture 3
HIS 364 Gandhi’s India 3
HIS 375 Iran before Islam 3
HIS 382 Imperialism in Asia and the Pacific 3
HIS 384 The Idea of Asia 3
HIS 394 Modern Japanese History 3
HIS 395 Postwar Japanese History 3
HIS 404 Migration and Empire 3
HIS 405 Migration: Personal Accounts 3
HIS 412 Global Trade and Labor, 1500 to Present 3

United States focus

HIS 301 Women in the Modern United States: 1890-Present 3
HIS 308 Reforming U.S. Society 3
HIS 310 Native American History 3
HIS 313 Colonial & Revolutionary America 3
HIS 316 Vietnam War 3
HIS 317 American Environmental History 3
HIS 319 Readings in Twentieth Century U.S. History 3
HIS 320 Introduction to Public and Policy History 3
HIS 321 Wisconsin History 3
HIS 322 History of Public Education in United States 3
HIS 323 World War II 3
HIS 324 Civil War and Reconstruction 3
HIS 325 America in the Cold War 3
HIS 336 Hispanics in the United States (ES) 3
HIS 343 U.S. Borderlands 3
HIS 345 U.S.-Latin American Relations 3
HIS 377 U.S. Labor History 3
HIS 378 History of the U.S. West 3
HIS 409 20th Century Civil Rights Movement 3
HIS 411 20th Century African American Urban History 3
HIS 412 Global Trade and Labor, 1500 to Present 3

Latin American focus

HIS 341 Nineteenth Century Latin America 3
HIS 342 Twentieth Century Latin America 3
HIS 344 Colonial Latin America 3
HIS 347 A History of Greater Mexico 3
HIS 356 History of Mexico 3
HIS 404 Migration and Empire 3
HIS 405 Migration: Personal Accounts 3
HIS 412 Global Trade and Labor, 1500 to Present 3

Ancient/medieval world focus

HIS 204 Ancient Literate Civilizations 3
HIS 327 History of Buddhism 3
HIS 328 History of Hinduism 3
HIS 329 History of Islam 3
HIS 331 The Ancient Greek World 3
HIS 332 Ancient Rome and the Mediterranean 3
HIS 333 Christianity to 1517 3
HIS 340 Origins of Cities 3
HIS 346 History of the Middle Ages 3
HIS 353 Maya Civilization 3
HIS 365 Ancient Iraq 3
HIS 366 Ancient Israel 3
HIS 367 Ancient Egypt 3
HIS 368 History of Babylonian Language and Culture I 3
HIS 369 History of Babylonian Language and Culture II 3
HIS 372 History of Women in the Ancient World 3
HIS 374 Ancient Turkey 3
HIS 375 Iran before Islam 3
HIS 396 Ancient Syria 3

Africa and African Diaspora focus

HIS 379 African Environmental History 3
HIS 380 Beyond Rwanda: War and Genocide in Africa’s Great Lakes 3
HIS 381 Health and Healing in African History 3
HIS 387 African Novels and History 3
HIS 397 Social History of African Nationalist Movements 3
Degree requirements

All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 112)
- Baccalaureate degree requirements (p. 112)

CLS Bachelor of Science core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirements: “Mathematical/logical systems and modern languages” (GE02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).

Bachelor of Science students complete four courses outside the department of the student’s major as follows:

1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 339); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.
History Major with Topical Emphasis - Bachelor of Arts (BA)

What is a topical emphasis in cultural and social history?

Students in UW-L history department’s emphasis in cultural and social history will study the history of cultural and social forces embodied in movements and organizations; art, literature, and film; areas of human experience including apparel, architecture, and culinary practices; and the various commercial media inundating our daily lives. Our students will learn how social and cultural phenomena have historically affected and structured our material and intellectual environment in connection with ethical concerns involving political and economic questions.

In general, the History Department’s cultural and social history emphasis will help students develop and make tangible the kinds of relatively intangible skills prospective employers and professional and graduate school admissions committees will value: problem solving, analytical and creative thinking, research skills, the ability to express oneself and one’s thoughts clearly and persuasively both verbally and in writing, intercultural communication skills, and the capacity to address immediate concerns with the kind of “big picture” perspective that a historically grounded education provides.

The History Department will particularly encourage students in topical emphases to apply for and undertake internships with organizations and businesses related to individual students’ interests, concerns, and plans. Our faculty will work with students, helping to place them in internships that will be of genuine value with respect to their intellectual and professional development. Internships along these lines will help students get their “foot in the door” in areas of prospective post-graduation employment and professional development.

What really sets apart the three new topical emphases including cultural and social history is that faculty will work with students to produce portfolios packaging and showcasing the aptitudes and skills they develop over the courses of their undergraduate education. To some, abilities obtained and developed through a traditional liberal education, such as analytical and creative thinking, may seem abstract and without specific content, being notoriously difficult to measure and assess through means such as standardized testing. However, cultural and social history students’ portfolios are where their skills, aptitudes, and abilities will become manifestly palpable and concrete.

What is a topical emphasis in public and policy history?

Public and policy history refers to scholarly work that seeks out audiences beyond the classroom and the academic journal. While professional historians may study a vast array of time periods, peoples, and topics, public and policy history is distinct in that it seeks to spread that research to broader audiences, and also to take as its subject of study those attempts to connect history to the people. Public history might include museums and memorials, oral history and landmarks, interpretive signage and educational outreach, heritage and cultural institutions. Policy history could be described as the study of past decision making or government institutions, with an intended audience of present-day representatives from those same groups, and might include topics or audiences in state legislatures or county government, prisons and courts, government social or environmental agencies, or the like.

What is a topical emphasis in religious studies?

Students in the UW-L History Department’s topical emphasis in religious studies will have an opportunity to study the fascinating phenomenon of religion from a variety of disciplinary perspectives with course offerings in the Departments of History, Philosophy, Sociology, Anthropology, and Women’s, Gender, and Sexuality Studies. The religious studies emphasis challenges students to question common stereotypes about religion and religious people, to become aware of the multiple roles and functions religion plays in human cultural life, and to both critically scrutinize and emphatically understand the rationales that have shaped the wide variety of religious world views, behaviors, and experiences that humans have used in the course of constructing, maintaining, and inhabiting their cultural worlds. In these ways, the religious studies emphasis sharpens students’ awareness of and understanding of human cultural diversity and prepares them for responsible global citizenship in a religiously pluralistic world.

Major requirements

(All colleges, excluding teacher certification programs)

40 credits

Core requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>HIS 200</td>
<td>Historiography and Historical Methods</td>
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<tr>
<td>HIS 490</td>
<td>History Research Seminar</td>
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<td>Select nine credits of the following:</td>
<td></td>
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<tr>
<td>HIS 210</td>
<td>Survey of United States History</td>
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</tr>
<tr>
<td>HIS 230</td>
<td>The Ancient and Medieval Worlds</td>
<td></td>
</tr>
<tr>
<td>HIS 240</td>
<td>Survey of Modern Europe</td>
<td></td>
</tr>
<tr>
<td>HIS 250</td>
<td>The Asian World</td>
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</tr>
<tr>
<td>HIS 260</td>
<td>Survey of the Middle East</td>
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</tr>
<tr>
<td>HIS 285</td>
<td>Survey of Modern African History</td>
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Regional/world cultural zones

Select six credits from the following: 6

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>HIS 316</td>
<td>Vietnam War</td>
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<tr>
<td>HIS 334</td>
<td>Aspects of Chinese History</td>
</tr>
<tr>
<td>HIS 335</td>
<td>History of China</td>
</tr>
<tr>
<td>HIS 382</td>
<td>Imperialism in Asia and the Pacific</td>
</tr>
<tr>
<td>HIS 394</td>
<td>Modern Japanese History</td>
</tr>
<tr>
<td>HIS 395</td>
<td>Postwar Japanese History</td>
</tr>
<tr>
<td>HIS 412</td>
<td>Global Trade and Labor, 1500 to Present</td>
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Latin America

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<tr>
<td>HIS 341</td>
<td>Nineteenth Century Latin America</td>
</tr>
<tr>
<td>HIS 342</td>
<td>Twentieth Century Latin America</td>
</tr>
<tr>
<td>HIS 344</td>
<td>Colonial Latin America</td>
</tr>
<tr>
<td>HIS 347</td>
<td>A History of Greater Mexico</td>
</tr>
<tr>
<td>HIS 356</td>
<td>History of Mexico</td>
</tr>
<tr>
<td>HIS 412</td>
<td>Global Trade and Labor, 1500 to Present</td>
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Europe

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<tr>
<td>HIS 311</td>
<td>Dilemmas of Peace and War</td>
</tr>
<tr>
<td>HIS/ANT 312</td>
<td>Peoples and Cultures of Eastern Europe and the Former Soviet Union</td>
</tr>
<tr>
<td>HIS 314</td>
<td>The Holocaust</td>
</tr>
<tr>
<td>HIS 339</td>
<td>History of Russia and the Soviet Union</td>
</tr>
<tr>
<td>HIS 346</td>
<td>History of the Middle Ages</td>
</tr>
</tbody>
</table>
Topical emphasis
Select one of the three following emphases, with no more than six credits of that 18 coming from disciplines outside the department of history (see below).

Total Credits 40

Topical emphasis

Cultural and social history

HIS 311 Dilemmas of Peace and War 3
HIS 387 African Novels and History 3
HIS 392 History Through Film 3
HIS 397 Social History of African Nationalist Movements 3
HIS 398 Social History of Colonial Africa 3
HIS 404 Migration and Empire 3
HIS 405 Migration: Personal Accounts 3
HIS 406 Topics in Social History 3
HIS 407 State and Society 3
HIS 412 Global Trade and Labor, 1500 to Present 3
HIS 413 Topics in Cultural History 3
HIS 450 History Internship/Field Experience 3-12
ENG 301 Foundations for Literary Studies 4
ENG 348 Studies in Film Literature 4
WGS 210 Women’s Voices / Women’s Culture (ES) 3
WGS 373 Gender and Human Rights 3
WGS/SOC 375 Lesbian Studies 3
ART 251 Art History I: Ancient and Medieval Art 3
ART 252 Art History II: Renaissance to Contemporary Art 3
ART 301 World Art 3

Public and policy history

HIS 320 Introduction to Public and Policy History 3
HIS 322 History of Public Education in United States 3
HIS 391 History of Environmental Policy in the United States 3
HIS 393 Material Culture 3
HIS 403 Exhibition Design and Development 3
HIS 407 State and Society 3
HIS 450 History Internship/Field Experience 3-12
POL 211 Introduction to Public Administration 3
POL 313 Public Policy 3
POL 317 Health Policy 3
POL 318 Environmental Politics and Policymaking 3
GEO 385 Introduction to Geographic Information Systems 3
ENG 327 Publishing in a Digital Age 3
ENG 335 Introduction to Professional Writing 3
ARC 300 Cultural Resources Management 3

Religious studies

HIS 205 History of Ethical Values in World Religions 3
HIS 326 Modern Christianity 3
HIS 327 History of Buddhism 3
HIS 328 History of Hinduism 3
HIS 329 History of Islam 3
HIS 330 History of Religions 3
HIS 333 Christianity to 1517 3
HIS 401 History and Japanese Religions 3
HIS 450 History Internship/Field Experience 3-12
SOC 315 Religion and Society 3
ANT 320 Rites, Rituals and Ceremonies 3
WGS 330/399 Topics: Women, Gender, and Society 1-3
PHL 310 Metaphysics 3
PHL 331 Philosophy of Religion 3
PHL 336 International Multicultural Philosophy 3
PHL 349 Asian Philosophy 3
PHL 352 Confucianism and Daoism 3
PHL 360 Zen Buddhism 3
PHL 431 Advanced Philosophy of Religion 3

Writing portfolio requirement

To be certified for graduation in the history major with topical emphasis, students must submit and have approved a portfolio of professional writing especially geared towards their intended career path. Students must submit writing portfolios by the middle of the semester in which they intend to graduate. Specific deadlines, item requirements, and submission directions are posted on the department website. The list of required material will be different for each of the emphases. The submitted portfolio may include items of coursework completed during the student’s undergraduate career, but might also require the production of additional materials. The materials might include a curriculum vitae or résumé, grant applications, a document written for a public audience, a sample of academic writing, or cover letters for job applications.

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.
• General education (p. 50)
• College core (p. 115)
• Baccalaureate degree requirement (p. 115)

CLS Bachelor of Arts core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track

1. Native speakers of English complete:
   Select one of the following:
   - CHI 202 Intermediate Chinese II
   - FRE 202 Intermediate French II
   - GER 202 Intermediate German II
   - RUS 202 Intermediate Russian II
   - SPA 202 Intermediate Spanish II
   - MLG 202 World Languages: Intermediate II
   - MLG 204 Heritage Language: Intermediate
   - MLG 304 Heritage Language: Advanced

Non-native speakers of English: score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university’s English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations); and

2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

B. Humanities track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

C. Fine arts track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
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Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

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What really sets apart the three new topical emphases including cultural and social history students’ portfolios are where their skills, aptitudes, and abilities will become manifestly palpable and concrete.

intersession graduates should file by May 1. May and summer graduates should file by December 1.

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No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

History Major with Topical Emphasis - Bachelor of Science (BS)

What is a topical emphasis in cultural and social history?

Students in UW-La Crosse History Department’s emphasis in cultural and social history will study the history of cultural and social forces embodied in movements and organizations; art, literature, and film; areas of human experience including apparel, architecture, and culinary practices; and the various commercial media inundating our daily lives. Our students will learn how social and cultural phenomena have historically affected and structured our material and intellectual environment in connection with ethical concerns involving political and economic questions.

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What is a topical emphasis in public and policy history?

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What is a topical emphasis in religious studies?

Students in the UW-L History Department’s topical emphasis in religious studies will have an opportunity to study the fascinating phenomenon of religion from a variety of disciplinary perspectives with course offerings in the Departments of History, Philosophy, Sociology, Anthropology, and Women’s, Gender, and Sexuality Studies. The religious studies emphasis challenges students to question common stereotypes about religion and religious people, to become aware of the multiple roles and functions religion plays in human cultural life, and to both critically scrutinize and emphatically understand the rationales that have shaped the wide variety of religious world views, behaviors, and experiences that humans have used in the course of constructing, maintaining, and inhabiting their cultural worlds. In these ways, the religious studies emphasis sharpens students’ awareness of and understanding of human cultural diversity and prepares them for responsible global citizenship in a religiously pluralistic world.

Major requirements

(All colleges, excluding teacher certification programs)

40 credits

Core requirements

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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 200</td>
<td>Historiography and Historical Methods</td>
<td>3</td>
</tr>
<tr>
<td>HIS 490</td>
<td>History Research Seminar</td>
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<tr>
<td>Select nine credits of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIS 210</td>
<td>Survey of United States History</td>
<td></td>
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<tr>
<td>HIS 230</td>
<td>The Ancient and Medieval Worlds</td>
<td></td>
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<tr>
<td>HIS 240</td>
<td>Survey of Modern Europe</td>
<td></td>
</tr>
<tr>
<td>HIS 250</td>
<td>The Asian World</td>
<td></td>
</tr>
<tr>
<td>HIS 260</td>
<td>Survey of the Middle East</td>
<td></td>
</tr>
<tr>
<td>HIS 285</td>
<td>Survey of Modern African History</td>
<td></td>
</tr>
</tbody>
</table>

Regional/world cultural zones

Select six credits from the following: 6

Asia

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 316</td>
<td>Vietnam War</td>
</tr>
<tr>
<td>HIS 334</td>
<td>Aspects of Chinese History</td>
</tr>
<tr>
<td>HIS 335</td>
<td>History of China</td>
</tr>
<tr>
<td>HIS 382</td>
<td>Imperialism in Asia and the Pacific</td>
</tr>
<tr>
<td>HIS 394</td>
<td>Modern Japanese History</td>
</tr>
<tr>
<td>HIS 395</td>
<td>Postwar Japanese History</td>
</tr>
</tbody>
</table>
### Cultural and social history

#### Latin America
- HIS 412: Global Trade and Labor, 1500 to Present
- HIS 341: Nineteenth Century Latin America
- HIS 342: Twentieth Century Latin America
- HIS 344: Colonial Latin America
- HIS 347: A History of Greater Mexico
- HIS 356: History of Mexico
- HIS 412: Global Trade and Labor, 1500 to Present

#### Europe
- HIS 311: Dilemmas of Peace and War
- HIS/ANT 312: Peoples and Cultures of Eastern Europe and the Former Soviet Union
- HIS 314: The Holocaust
- HIS 339: History of Russia and the Soviet Union
- HIS 346: History of the Middle Ages
- HIS 348: Renaissance and Reformation
- HIS 349: History of Modern Europe (20th Century)
- HIS 350: Episodes in French History
- HIS 351: History of France: 1750 - Present
- HIS 352: History of Modern Germany
- HIS 354: Spain to 1700
- HIS 355: England to 1603
- HIS 358: French Revolution
- HIS 373: World War I
- HIS 412: Global Trade and Labor, 1500 to Present

#### Africa
- HIS 385: Modern African History
- HIS 387: African Novels and History
- HIS 388: Comparative Slave Systems
- HIS 397: Social History of African Nationalist Movements
- HIS 398: Social History of Colonial Africa
- HIS 412: Global Trade and Labor, 1500 to Present

#### Topical emphasis

Select one of the three following emphases, with no more than six credits of that 18 coming from disciplines outside the department of history (see below)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 311</td>
<td>Dilemmas of Peace and War</td>
<td>3</td>
</tr>
<tr>
<td>HIS 387</td>
<td>African Novels and History</td>
<td>3</td>
</tr>
<tr>
<td>HIS 392</td>
<td>History Through Film</td>
<td>3</td>
</tr>
<tr>
<td>HIS 397</td>
<td>Social History of African Nationalist Movements</td>
<td>3</td>
</tr>
<tr>
<td>HIS 398</td>
<td>Social History of Colonial Africa</td>
<td>3</td>
</tr>
<tr>
<td>HIS 404</td>
<td>Migration and Empire</td>
<td>3</td>
</tr>
<tr>
<td>HIS 405</td>
<td>Migration: Personal Accounts</td>
<td>3</td>
</tr>
<tr>
<td>HIS 406</td>
<td>Topics in Social History</td>
<td>3</td>
</tr>
<tr>
<td>HIS 407</td>
<td>State and Society</td>
<td>3</td>
</tr>
<tr>
<td>HIS 420</td>
<td>Global Trade and Labor, 1500 to Present</td>
<td>3</td>
</tr>
<tr>
<td>HIS 413</td>
<td>Topics in Cultural History</td>
<td>3</td>
</tr>
<tr>
<td>HIS 500</td>
<td>History Internship/Field Experience</td>
<td>3-12</td>
</tr>
<tr>
<td>ENG 301</td>
<td>Foundations for Literary Experience</td>
<td>4</td>
</tr>
<tr>
<td>ENG 348</td>
<td>Studies in Film Literature</td>
<td>4</td>
</tr>
<tr>
<td>WGS 210</td>
<td>Women’s Voices / Women’s Culture (ES)</td>
<td>3</td>
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<tr>
<td>WGS 373</td>
<td>Gender and Human Rights</td>
<td>3</td>
</tr>
<tr>
<td>WGS/SOC 375</td>
<td>Lesbian Studies</td>
<td>3</td>
</tr>
<tr>
<td>ART 251</td>
<td>Art History I: Ancient and Medieval Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 252</td>
<td>Art History II: Renaissance to Contemporary Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 301</td>
<td>World Art</td>
<td>3</td>
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</table>

#### Total Credits | 40 |

### Public and policy history

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 320</td>
<td>Introduction to Public and Policy History</td>
<td>3</td>
</tr>
<tr>
<td>HIS 322</td>
<td>History of Public Education in United States</td>
<td>3</td>
</tr>
<tr>
<td>HIS 391</td>
<td>History of Environmental Policy in the United States</td>
<td>3</td>
</tr>
<tr>
<td>HIS 393</td>
<td>Material Culture</td>
<td>3</td>
</tr>
<tr>
<td>HIS 403</td>
<td>Exhibition Design and Development</td>
<td>3</td>
</tr>
<tr>
<td>HIS 407</td>
<td>State and Society</td>
<td>3</td>
</tr>
<tr>
<td>HIS 450</td>
<td>History Internship/Field Experience</td>
<td>3-12</td>
</tr>
<tr>
<td>POL 211</td>
<td>Introduction to Public Administration</td>
<td>3</td>
</tr>
<tr>
<td>POL 313</td>
<td>Public Policy</td>
<td>3</td>
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<tr>
<td>POL 317</td>
<td>Health Policy</td>
<td>3</td>
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<tr>
<td>POL 318</td>
<td>Environmental Politics and Policymaking</td>
<td>3</td>
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<tr>
<td>GEO 385</td>
<td>Introduction to Geographic Information Systems</td>
<td>3</td>
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<tr>
<td>ENG 327</td>
<td>Publishing in a Digital Age</td>
<td>3</td>
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<tr>
<td>ENG 335</td>
<td>Introduction to Professional Writing</td>
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<td>ARC 300</td>
<td>Cultural Resources Management</td>
<td>3</td>
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### Religious studies

<table>
<thead>
<tr>
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<tr>
<td>HIS 205</td>
<td>History of Ethical Values in World Religions</td>
<td>3</td>
</tr>
<tr>
<td>HIS 326</td>
<td>Modern Christianity</td>
<td>3</td>
</tr>
<tr>
<td>HIS 327</td>
<td>History of Buddhism</td>
<td>3</td>
</tr>
<tr>
<td>HIS 328</td>
<td>History of Hinduism</td>
<td>3</td>
</tr>
<tr>
<td>HIS 329</td>
<td>History of Islam</td>
<td>3</td>
</tr>
<tr>
<td>HIS 330</td>
<td>History of Religions</td>
<td>3</td>
</tr>
<tr>
<td>HIS 333</td>
<td>Christianity to 1517</td>
<td>3</td>
</tr>
<tr>
<td>HIS 401</td>
<td>History and Japanese Religions</td>
<td>3</td>
</tr>
<tr>
<td>HIS 450</td>
<td>History Internship/Field Experience</td>
<td>3-12</td>
</tr>
<tr>
<td>SOC 315</td>
<td>Religion and Society</td>
<td>3</td>
</tr>
<tr>
<td>ANT 320</td>
<td>Rites, Rituals and Ceremonies</td>
<td>3</td>
</tr>
<tr>
<td>WGS 330/SOC 399</td>
<td>Topics: Women, Gender, and Society</td>
<td>1-3</td>
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<tr>
<td>PHL 310</td>
<td>Metaphysics</td>
<td>3</td>
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<tr>
<td>PHL 331</td>
<td>Philosophy of Religion</td>
<td>3</td>
</tr>
<tr>
<td>PHL 336</td>
<td>International Multicultural Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHL 349</td>
<td>Asian Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHL 352</td>
<td>Confucianism and Daoism</td>
<td>3</td>
</tr>
<tr>
<td>PHL 360</td>
<td>Zen Buddhism</td>
<td>3</td>
</tr>
<tr>
<td>PHL 431</td>
<td>Advanced Philosophy of Religion</td>
<td>3</td>
</tr>
</tbody>
</table>

### Writing portfolio requirement

To be certified for graduation in the history major with topical emphasis, students must submit and have approved a portfolio of professional writing especially geared towards their intended career path. Students must submit writing portfolios by the middle of the semester in which
they intend to graduate. Specific deadlines, item requirements, and submission directions are posted on the department website. The list of required material will be different for each of the emphases. The submitted portfolio may include items of coursework completed during the student’s undergraduate career, but might also require the production of additional materials. The materials might include a curriculum vitae or résumé, a document written for a public audience, a sample of academic writing, or cover letters for job applications.

Degree requirements

All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• College core (p. 118)
• Baccalaureate degree requirements (p. 118)

**CLS Bachelor of Science core requirements**

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).

**Bachelor of Science students complete four courses outside the department of the student’s major as follows:**

1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 339); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student's major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

**Baccalaureate degrees**

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.
History Education Major (Early Adolescence-Adolescence Certification) - Bachelor of Science (BS)

Teacher preparation in history

The History Department works closely with other divisions on campus on several different paths to provide a background in history for future teachers. The two major options are the history education major, (http://www2.uwlax.edu/History/Teacher-Preparation) and the social studies education major (http://www2.uwlax.edu/History/Teacher-Preparation), also known as the broadfield major.

Students on these paths will need to keep track of requirements within the History Department, and also within their chosen educational program. Wherever possible, the History Department works to respond to the needs of future educators, while preparing them with current knowledge and methods from the historical profession. A variety of programs in the department -- National History Day (http://www2.uwlax.edu/History/National-History-Day), Phi Alpha Theta (http://www2.uwlax.edu/History/Phi-Alpha-Theta), and preparation for the PRAXIS exams -- respond to the unique needs of future educators.

Major requirements

Admission requirements for STEP Program (p. 403)

(Teacher certification program: early adolescence-adolescence)

<table>
<thead>
<tr>
<th>44 credits</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Core requirements</th>
</tr>
</thead>
</table>

| HIS 200 | Historiography and Historical Methods | 3 |
| HIS 408 | Teaching and Learning History & Social Studies in the Secondary School | 4 |
| HIS 490 | History Research Seminar | 4 |

Select nine credits of the following: 9

| HIS 210 | Survey of United States History |
| HIS 230 | The Ancient and Medieval Worlds |
| HIS 240 | Survey of Modern Europe |
| HIS 250 | The Asian World |
| HIS 285 | Survey of Modern African History |

<table>
<thead>
<tr>
<th>Categories</th>
</tr>
</thead>
</table>

Select 24 credits from the following four categories:

History of women, gender and sexuality (see below) | 3 |
U.S. history (see below) | 6 |
Regional/world cultural zones (see below) | 12 |
Classical world/religions (see below) | 3 |

Total Credits 44

History of women, gender and sexuality

Select three credits of the following: 3

| HIS 301 | Women in the Modern United States: 1890-Present |
| HIS 305 | History of Motherhood in the United States |
| HIS 315 | History of Feminist Thought |
| HIS 359 | Women, Gender and Sexuality in Modern Europe |
| HIS 360 | Women, Gender, and Sexuality in Latin America |
| HIS 370 | The History of Black Women’s Activism |
| HIS 372 | History of Women in the Ancient World |
| HIS 386 | Women and Gender in Africa |
| HIS 389 | Women and Gender in the Middle East |

U.S. history

Select six credits of the following: 6

| HIS 308 | Reforming U.S. Society |
| HIS 310 | Native American History |
| HIS 313 | Colonial & Revolutionary America |
| HIS 316 | Vietnam War |
| HIS 317 | American Environmental History |
| HIS 319 | Readings in Twentieth Century U.S. History |
| HIS 320 | Introduction to Public and Policy History |
| HIS 321 | Wisconsin History |
| HIS 323 | World War II |
| HIS 324 | Civil War and Reconstruction |
| HIS 325 | America in the Cold War |
| HIS 336 | Hispanics in the United States (ES) |
| HIS 343 | U.S. Borderlands |
| HIS 345 | U.S.-Latin American Relations |
| HIS 377 | U.S. Labor History |
| HIS 378 | History of the U.S. West |
| HIS 409 | 20th Century Civil Rights Movement |
| HIS 411 | 20th Century African American Urban History |

Total Credits 6

Regional/world cultural zones

Asia

Select three credits of the following: 3

| HIS 316 | Vietnam War |
| HIS 334 | Aspects of Chinese History |
| HIS 335 | History of China |
| HIS 404 | Migration and Empire |
| HIS 405 | Migration: Personal Accounts |
| HIS 412 | Global Trade and Labor, 1500 to Present |

Latin America

Select three credits of the following: 3

| HIS 341 | Nineteenth Century Latin America |
| HIS 342 | Twentieth Century Latin America |
| HIS 344 | Colonial Latin America |
| HIS 347 | A History of Greater Mexico |
| HIS 356 | History of Mexico |
| HIS 404 | Migration and Empire |
| HIS 405 | Migration: Personal Accounts |
| HIS 412 | Global Trade and Labor, 1500 to Present |

Europe

Select three credits of the following: 3

| HIS 311 | Dilemmas of Peace and War |
| HIS/ANT 312 | Peoples and Cultures of Eastern Europe and the Former Soviet Union |
| HIS 314 | The Holocaust |
### Degree requirements

All students must complete the general education, college core (waived for teacher certification programs), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- Baccalaureate degree requirements (p. 120)

### Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA.1 At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA1 in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

### Social Studies Education (Broad Field) Major (Early Adolescence-Adolescence Certification) - BS

#### Teacher preparation in history

The History Department works closely with other divisions on campus on several different paths to provide a background in history for future teachers. The two major options are the history education major, (http://www2.uwlax.edu/History/Teacher-Preparation) and the social studies education major (http://www2.uwlax.edu/History/Teacher-Preparation), also known as the broad field major.

Students on these paths will need to keep track of requirements within the History Department, and also within their chosen educational program. Wherever possible, the History Department works to

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<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>HIS 339</td>
<td>History of Russia and the Soviet Union</td>
</tr>
<tr>
<td>HIS 346</td>
<td>History of the Middle Ages</td>
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<tr>
<td>HIS 348</td>
<td>Renaissance and Reformation</td>
</tr>
<tr>
<td>HIS 349</td>
<td>History of Modern Europe (20th Century)</td>
</tr>
<tr>
<td>HIS 350</td>
<td>Episodes in French History</td>
</tr>
<tr>
<td>HIS 351</td>
<td>History of France: 1750 - Present</td>
</tr>
<tr>
<td>HIS 352</td>
<td>History of Modern Germany</td>
</tr>
<tr>
<td>HIS 354</td>
<td>Spain to 1700</td>
</tr>
<tr>
<td>HIS 355</td>
<td>England to 1603</td>
</tr>
<tr>
<td>HIS 358</td>
<td>French Revolution</td>
</tr>
<tr>
<td>HIS 373</td>
<td>World War I</td>
</tr>
<tr>
<td>HIS 404</td>
<td>Migration and Empire</td>
</tr>
<tr>
<td>HIS 405</td>
<td>Migration: Personal Accounts</td>
</tr>
<tr>
<td>HIS 412</td>
<td>Global Trade and Labor, 1500 to Present</td>
</tr>
</tbody>
</table>

#### Africa

Select three credits of the following: 3

- HIS 385 Modern African History
- HIS 387 African Novels and History
- HIS 388 Comparative Slave Systems
- HIS 397 Social History of African Nationalist Movements
- HIS 398 Social History of Colonial Africa
- HIS 404 Migration and Empire
- HIS 405 Migration: Personal Accounts
- HIS 412 Global Trade and Labor, 1500 to Present

#### Classical world/religions

Select three credits of the following: 3

- HIS 204 Ancient Literate Civilizations
- HIS 326 Modern Christianity
- HIS 327 History of Buddhism
- HIS 328 History of Hinduism
- HIS 329 History of Islam
- HIS 330 History of Religions
- HIS 331 The Ancient Greek World
- HIS 332 Ancient Rome and the Mediterranean
- HIS 333 Christianity to 1517
- HIS 340 Origins of Cities
- HIS 353 Maya Civilization
- HIS 365 Ancient Iraq
- HIS 366 Ancient Israel
- HIS 367 Ancient Egypt
- HIS 374 Ancient Turkey
- HIS 396 Ancient Syria
- HIS 401 History and Japanese Religions

Teacher certification candidates must also complete GEO 200 Conservation of Global Environments (3 cr.) and EFN 200 Cooperatives (1 cr.) to fulfill statutory licensing requirements (credits do not count toward the history education major).

Additional teacher education requirements are listed in the STEP program core (p. 403).
respond to the needs of future educators, while preparing them with
current knowledge and methods from the historical profession. A
variety of programs in the department -- National History Day (http://
www2.uwlax.edu/History/National-History-Day), Phi Alpha Theta (http://
www2.uwlax.edu/History/Phi-Alpha-Theta), and preparation for the
PRAXIS exams -- respond to the unique needs of future educators.

Major requirements

Admission requirements for STEP Program (p. 403)
(Teacher certification program: early adolescence-adolescence)

54-64 credits

Choose either Option A (content major) or Option B (content minor)
below:

Option A (content major) 57-64 credits

37-44 credit major in geography education, history education, political
science education, or sociology education

20 credits, with a minimum of three credits, from any two of the
following areas outside of the major:

- Economics
- Geography
- History
- Political Science
- Psychology
- Sociology

Total Credits 57-64

Note: Teacher certification candidates must also complete GEO 200
Conservation of Global Environments and EFN 200 Cooperatives to fulfill
statutory licensing requirements. Credits do not count toward the social
studies education (broad field) major.

Candidates must also complete additional teacher education
requirements listed in the STEP Program core (p. 403).

Option B (content minor) 54-60 credits

18-24 credit minor in one of the following:

- Economics
- Geography Education
- History Education
- Political Science Education
- Psychology Education
- Sociology Education

32 credits with a minimum of three credits from three of the subject
areas outside of the minor selected from the following:

- Economics
- Geography
- History
- Political Science
- Psychology
- Sociology

ECO/GEO/HIS/
POL/PSY/SOC 408

Teaching and Learning History & Social Studies in the Secondary School

Total Credits 54-60

Note: Teacher certification candidates must also complete GEO 200
Conservation of Global Environments and EFN 200 Cooperatives to fulfill
statutory licensing requirements. Credits do not count toward the social
studies education (broad field) major.

Degree requirements

All students must complete the general education, college core (waived
for teacher certification programs), major/minor, and university degree
requirements in order to qualify for a degree. The easiest way to track all
of these requirements is to refer to the Advisement Report (AR) found in
the Student Information System (WINGS) Student Center. All enrolled
students have access to the AR.

- General education (p. 50)
- Baccalaureate degree requirements (p. 121)

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees
must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum
Committee for the degree desired in the respective school or
college. (No substitutions for graduation may be made in course
requirements for a major or minor after the fourth week of the last
semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00
cumulative GPA. At least 40 credits must be earned in 300/400
(senior college) level courses. Courses earned at the 100/200 level
that transferred to UW-L as 300/400 level courses do not apply to
this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00
GPA in each major and minor (and concentration or emphasis, if
selected).
6. A minimum of 30 semester credits in residence at UW-L is required
for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS
Student Center as soon as the student has registered for his or her
final semester or summer term in residence. December and winter
intersession graduates should file by May 1. May and summer
graduates should file by December 1.

1 Grade point average requirements for some programs will be
considerably higher than 2.00. Re-entering students may be required
to earn credits in excess of the 120 needed for graduation in any
curriculum in order to replace credits earned in courses in which the
content has changed substantially in recent years. Each case will be
judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and
recorded within 30 days after the official ending date of each term.

History Minor

(All colleges, excluding teacher certification programs)

24 credits

Core requirements

HIS 200 Historiography and Historical Methods 3

Select one of the following:  
- HIS 210 Survey of United States History  
- HIS 230 The Ancient and Medieval Worlds  
- HIS 240 Survey of Modern Europe  
- HIS 250 The Asian World  
- HIS 260 Survey of the Middle East  
- HIS 285 Survey of Modern African History  

Categories  
Select three credits from History of women, gender and sexuality (see below)  
Select three credits from U.S. history (see below)  
Select three credits from any two regional cultural zones from Regional/world culture (see below)  
Select three credits from Classical world/religions (see below)  

Electives  
Select three credits of electives from HIS 200/300 level courses  

Total Credits  

**History of women, gender and sexuality**  
Select one of the following:  
- HIS 301 Women in the Modern United States: 1890-Present  
- HIS 305 History of Motherhood in the United States  
- HIS 315 History of Feminist Thought  
- HIS 359 Women, Gender and Sexuality in Modern Europe  
- HIS 370 The History of Black Women’s Activism  
- HIS 372 History of Women in the Ancient World  
- HIS 386 Women and Gender in Africa  
- HIS 389 Women and Gender in the Middle East  

Total Credits  

**U.S. history**  
Select one of the following:  
- HIS 308 Reforming U.S. Society  
- HIS 310 Native American History  
- HIS 313 Colonial & Revolutionary America  
- HIS 316 Vietnam War  
- HIS 317 American Environmental History  
- HIS 319 Readings in Twentieth Century U.S. History  
- HIS 320 Introduction to Public and Policy History  
- HIS 321 Wisconsin History  
- HIS 322 History of Public Education in United States  
- HIS 323 World War II  
- HIS 324 Civil War and Reconstruction  
- HIS 325 America in the Cold War  
- HIS 336 Hispanics in the United States (ES)  
- HIS 343 U.S. Borderlands  
- HIS 345 U.S.-Latin American Relations  
- HIS 377 U.S. Labor History  
- HIS 378 History of the U.S. West  
- HIS 409 20th Century Civil Rights Movement  
- HIS 411 20th Century African American Urban History  

Total Credits  

**Regional/world culture**  
Select one from any two regional cultural zones:  

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<tr>
<th>Region</th>
<th>Course</th>
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<tr>
<td>Asia</td>
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<td>HIS 334 Aspects of Chinese History</td>
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<td>HIS 335 History of China</td>
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<td></td>
<td>HIS 382 Imperialism in Asia and the Pacific</td>
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<td>HIS 394 Modern Japanese History</td>
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<td>HIS 404 Migration and Empire</td>
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<td>HIS 405 Migration: Personal Accounts</td>
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<td>HIS 412 Global Trade and Labor, 1500 to Present</td>
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<td>Latin America</td>
<td>HIS 341 Nineteenth Century Latin America</td>
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<td>HIS 342 Twentieth Century Latin America</td>
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<td>HIS 344 Colonial Latin America</td>
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<td>HIS 347 A History of Greater Mexico</td>
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<td>HIS 311 Dilemmas of Peace and War</td>
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<td>HIS/ANT 312 Peoples and Cultures of Eastern Europe and the Former Soviet Union</td>
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<td>HIS 358 French Revolution</td>
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<td>HIS 404 Migration and Empire</td>
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<td>HIS 405 Migration: Personal Accounts</td>
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<td>HIS 387 African Novels and History</td>
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<td>HIS 388 Comparative Slave Systems</td>
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<td>HIS 404 Migration and Empire</td>
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<td>HIS 405 Migration: Personal Accounts</td>
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<td></td>
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Total Credits  

**Classical world/religions**  
Select one of the following:  
- HIS 204 Ancient Literate Civilizations  

Total Credits
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<tr>
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<th>Course Title</th>
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</thead>
<tbody>
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<td>Modern Christianity</td>
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<td>HIS 327</td>
<td>History of Buddhism</td>
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<tr>
<td>HIS 328</td>
<td>History of Hinduism</td>
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<td>HIS 329</td>
<td>History of Islam</td>
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<td>History of Religions</td>
</tr>
<tr>
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<td>The Ancient Greek World</td>
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<tr>
<td>HIS 332</td>
<td>Ancient Rome and the Mediterranean</td>
</tr>
<tr>
<td>HIS 333</td>
<td>Christianity to 1517</td>
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<tr>
<td>HIS 340</td>
<td>Origins of Cities</td>
</tr>
<tr>
<td>HIS 353</td>
<td>Maya Civilization</td>
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<tr>
<td>HIS 355</td>
<td>Ancient Egypt</td>
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<td>HIS 356</td>
<td>Ancient Iraq</td>
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<td>HIS 365</td>
<td>Ancient Israel</td>
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<td>HIS 366</td>
<td>Ancient Egypt</td>
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<td>HIS 367</td>
<td>Ancient Syria</td>
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<tr>
<td>HIS 368</td>
<td>History of Babylonian Language and Culture I</td>
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<tr>
<td>HIS 369</td>
<td>History of Babylonian Language and Culture II</td>
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<tr>
<td>HIS 374</td>
<td>Ancient Turkey</td>
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<tr>
<td>HIS 375</td>
<td>Iran before Islam</td>
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<tr>
<td>HIS 376</td>
<td>History and Japanese Religions</td>
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<td>HIS 381</td>
<td>History and Japanese Religions</td>
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Total Credits: 3

**History Minor with Regional Emphasis**

(All colleges, excluding teacher certification programs)

24 credits

**Core requirements**

<table>
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<th>Course Title</th>
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<td>HIS 230</td>
<td>The Ancient and Medieval Worlds</td>
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<tr>
<td>HIS 240</td>
<td>Survey of Modern Europe</td>
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<td>HIS 250</td>
<td>The Asian World</td>
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<td>Survey of the Middle East</td>
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<td>HIS 285</td>
<td>Survey of Modern African History</td>
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**History of women, gender, and sexuality**

Select three credits from the following: 3

<table>
<thead>
<tr>
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<th>Course Title</th>
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<tbody>
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<td>Women in the Modern United States: 1890-Present</td>
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<td>HIS 305</td>
<td>History of Motherhood in the United States</td>
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<td>HIS 315</td>
<td>History of Feminist Thought</td>
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<td>HIS 359</td>
<td>Women, Gender and Sexuality in Modern Europe</td>
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<td>HIS 360</td>
<td>Women, Gender, and Sexuality in Latin America</td>
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<td>The History of Black Women’s Activism</td>
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<td>HIS 372</td>
<td>History of Women in the Ancient World</td>
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<td>HIS 383</td>
<td>Women in South Asia</td>
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<tr>
<td>HIS 386</td>
<td>Women and Gender in Africa</td>
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<tr>
<td>HIS 389</td>
<td>Women and Gender in the Middle East</td>
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**Classical world/religions**

Select three credits from the following: 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>HIS 204</td>
<td>Ancient Literate Civilizations</td>
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<tr>
<td>HIS 326</td>
<td>Modern Christianity</td>
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<tr>
<td>HIS 327</td>
<td>History of Buddhism</td>
<td></td>
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<tr>
<td>HIS 328</td>
<td>History of Hinduism</td>
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<td>HIS 329</td>
<td>History of Islam</td>
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<tr>
<td>HIS 330</td>
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<td>HIS 331</td>
<td>The Ancient Greek World</td>
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<td>Ancient Rome and the Mediterranean</td>
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<td>HIS 376</td>
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<tr>
<td>HIS 381</td>
<td>History and Japanese Religions</td>
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</tbody>
</table>

Selected focus area

Select nine credits from one focus area (see below lists) 9

**Electives**

Select three credits of electives from HIS 200, 300 or 400 level courses (excluding HIS 490) 3

Total Credits: 24

**European focus**

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<td>HIS 312</td>
<td>Peoples and Cultures of Eastern Europe and the</td>
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<td>Former Soviet Union</td>
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<td>HIS 314</td>
<td>The Holocaust</td>
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<td>HIS 339</td>
<td>History of Russia and the Soviet Union</td>
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<td>HIS 346</td>
<td>History of the Middle Ages</td>
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<td>HIS 348</td>
<td>Renaissance and Reformation</td>
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<td>HIS 349</td>
<td>History of Modern Europe (20th Century)</td>
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<td>HIS 350</td>
<td>Episodes in French History</td>
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<td>History of France: 1750 - Present</td>
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<td>History of Modern Germany</td>
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<td>Spain to 1700</td>
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<td>England to 1603</td>
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<td>French Revolution</td>
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<td>Women, Gender and Sexuality in Modern Europe</td>
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<td>World War I</td>
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**Asian focus**

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<td>Aspects of Chinese History</td>
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<td>History of China</td>
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<td>Israeli-Palestinian Conflict</td>
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<td>HIS 362</td>
<td>Human Rights and the Middle East</td>
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<td>Modern Indian History and Culture</td>
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<td>Gandhi’s India</td>
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<td>Iran before Islam</td>
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<td>HIS 382</td>
<td>Imperialism in Asia and the Pacific</td>
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<td>The Idea of Asia</td>
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<td>History and Japanese Religions</td>
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</tbody>
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Selected focus area

Select nine credits from one focus area (see below lists) 9

**Electives**

Select three credits of electives from HIS 200, 300 or 400 level courses (excluding HIS 490) 3

Total Credits: 24
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<td>Postwar Japanese History</td>
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<td>Reforming U.S. Society</td>
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<td>Native American History</td>
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<td>American Environmental History</td>
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<td>Introduction to Public and Policy History</td>
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<td>History of Public Education in United States</td>
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**United States focus**

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**Latin American focus**

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**Ancient/medieval world focus**

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<td>History of Hinduism</td>
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<td>The Ancient Greek World</td>
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<td>Ancient Rome and the Mediterranean</td>
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<td>Christianity to 1517</td>
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<td>Origins of Cities</td>
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<td>History of the Middle Ages</td>
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<td>Maya Civilization</td>
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<td>Ancient Iraq</td>
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<td>Ancient Israel</td>
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**African and African diaspora focus**

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<td>African Environmental History</td>
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<td>Beyond Rwanda: War and Genocide in Africa’s Great Lakes</td>
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<td>HIS 381</td>
<td>Health and Healing in African History</td>
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<td>Social History of Colonial Africa</td>
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<td>20th Century Civil Rights Movement</td>
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<td>African Archaeology</td>
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<td>Peoples and Cultures of Africa</td>
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<td>Geography of Africa</td>
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**History Minor with Topical Emphasis**

(All colleges, excluding teacher certification programs)

24 credits

**Core requirements**

<table>
<thead>
<tr>
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Select two of the following:

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<td>The Ancient and Medieval Worlds</td>
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<tr>
<td>HIS 240</td>
<td>Survey of Modern Europe</td>
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<tr>
<td>HIS 250</td>
<td>The Asian World</td>
<td>3</td>
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<tr>
<td>HIS 260</td>
<td>Survey of the Middle East</td>
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<tr>
<td>HIS 285</td>
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**Topical emphasis**

Select one of the three emphases, with no more than six credits of that 15 coming from disciplines outside the Department of History (see below)

Total Credits 24

**Topical emphasis:**

**Cultural and social history**

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<td>Dilemmas of Peace and War</td>
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<td>African Novels and History</td>
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### Public and policy history

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<td>HIS 322</td>
<td>History of Public Education in United States</td>
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<td>HIS 391</td>
<td>History of Environmental Policy in the United States</td>
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<td>HIS 393</td>
<td>Material Culture</td>
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<td>HIS 403</td>
<td>Exhibition Design and Development</td>
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<td>State and Society</td>
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<td>Introduction to Public Administration</td>
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<td>POL 313</td>
<td>Public Policy</td>
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<td>POL 317</td>
<td>Health Policy</td>
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<td>POL 318</td>
<td>Environmental Politics and Policymaking</td>
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<td>GEO 385</td>
<td>Introduction to Geographic Information Systems (^1)</td>
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<td>Cultural Resources Management (^1)</td>
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\(^1\) Technical skills courses: Students are encouraged to complete three credits or more from this subset of courses.

### Religious studies

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<td>Modern Christianity</td>
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<td>History of Buddhism</td>
<td>3</td>
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<td>HIS 328</td>
<td>History of Hinduism</td>
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<td>History of Islam</td>
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<td>History of Religions</td>
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<td>HIS 333</td>
<td>Christianity to 1517</td>
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<td>History and Japanese Religions</td>
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<td>SOC 315</td>
<td>Religion and Society</td>
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<td>ANT 320</td>
<td>Rites, Rituals and Ceremonies</td>
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<td>Topics: Women, Gender, and Society</td>
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<td>Confucianism and Daoism</td>
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### History Education Minor

**Teacher certification programs**

**Core requirements**

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**Categories**

- **History of women, gender and sexuality**
  Select three credits from:
  - History of women, gender and sexuality (see below)  
  Select three credits from:
  - U.S. history (see below)  
  Select three credits from:
  - Regional/world culture (see below)  
  Electives  
  Total Credits

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<td>History of Motherhood in the United States</td>
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<td>History of Feminist Thought</td>
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<td>Women, Gender and Sexuality in Modern Europe</td>
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<td>The History of Black Women's Activism</td>
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<td>History of Women in the Ancient World</td>
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**Total Credits**: 3

**U.S. history**

Select one of the following:  

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<td>Native American History</td>
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<td>Colonial &amp; Revolutionary America</td>
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<td>HIS 316</td>
<td>Vietnam War</td>
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<td>American Environmental History</td>
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<td>Readings in Twentieth Century U.S. History</td>
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<td>Introduction to Public and Policy History</td>
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<td>History of the U.S. West</td>
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Total Credits: 3
Regional/world culture
Select one from any two regional cultural zones: 6

**Asia**
- HIS 316 Vietnam War
- HIS 329 History of Islam
- HIS 334 Aspects of Chinese History
- HIS 335 History of China
- HIS 339 History of Russia and the Soviet Union
- HIS 404 Migration and Empire
- HIS 405 Migration: Personal Accounts
- HIS 412 Global Trade and Labor, 1500 to Present

**Latin America**
- HIS 341 Nineteenth Century Latin America
- HIS 342 Twentieth Century Latin America
- HIS 344 Colonial Latin America
- HIS 347 A History of Greater Mexico
- HIS 356 History of Mexico
- HIS 404 Migration and Empire
- HIS 405 Migration: Personal Accounts
- HIS 412 Global Trade and Labor, 1500 to Present

**Europe**
- HIS 311 Dilemmas of Peace and War
- HIS 314 The Holocaust
- HIS 339 History of Russia and the Soviet Union
- HIS 346 History of the Middle Ages
- HIS 348 Renaissance and Reformation
- HIS 349 History of Modern Europe (20th Century)
- HIS 350 Episodes in French History
- HIS 351 History of France: 1750 - Present
- HIS 352 History of Modern Germany
- HIS 354 Spain to 1700
- HIS 355 England to 1603
- HIS 358 French Revolution
- HIS 373 World War I
- HIS 404 Migration and Empire
- HIS 405 Migration: Personal Accounts
- HIS 412 Global Trade and Labor, 1500 to Present

**Africa**
- HIS 385 Modern African History
- HIS 387 African Novels and History
- HIS 388 Comparative Slave Systems
- HIS 397 Social History of African Nationalist Movements
- HIS 398 Social History of Colonial Africa
- HIS 404 Migration and Empire
- HIS 405 Migration: Personal Accounts
- HIS 412 Global Trade and Labor, 1500 to Present

Total Credits 6

Classical world/religions
Select one from the following: 3
- HIS 204 Ancient Literate Civilizations
- HIS 326 Modern Christianity
- HIS 327 History of Buddhism
- HIS 328 History of Hinduism
- HIS 329 History of Islam
- HIS 330 History of Religions
- HIS 331 The Ancient Greek World
- HIS 332 Ancient Rome and the Mediterranean
- HIS 333 Christianity to 1517
- HIS 340 Origins of Cities
- HIS 353 Maya Civilization
- HIS 365 Ancient Iraq
- HIS 366 Ancient Israel
- HIS 367 Ancient Egypt
- HIS 374 Ancient Turkey
- HIS 396 Ancient Syria

Electives
Electives from HIS 200-300 level courses 3

Teacher certification candidates must also complete GEO 200 and EFN 200 to fulfill statutory licensing requirements (credits do not count toward the history education minor); in addition, early adolescence-adolescence candidates must also complete HIS 408 unless a major in social studies (broad field) education, geography education, political science education, or sociology education is completed.

International Studies (INS)

International studies is an interdisciplinary minor that draws on courses in departments from throughout the university. Over 200 courses have been approved in departments as varied as anthropology, geography, marketing, foreign languages, art, philosophy, economics, political science, and history. Students design individualized programs of study in consultation with the Director of International Studies. With the globalization of all aspects of life in the 21st century, an international studies minor is a valuable complement to any major in the university.

Minors
- International studies minor (p. 127)
- International studies minor: Asian emphasis (p. 130)
- International studies minor: European emphasis (p. 134)
- International studies minor: Latin American emphasis (p. 138)
- International studies minor: Middle East emphasis (p. 142)
International Studies Minor

Minor requirements

(All colleges)

24 credits from approved curriculum, not including courses counted toward the major. Upon declaring the minor, each student consults with the director of International Studies and prepares an individual course of study with the director approval. Each individualized plan is subject to the following requirements:

1. POL/GEO/ECO/SOC/ANT/HIS 202, three credits.
2. 18 credits from approved international studies course list including 6-12 credits from at least two departments selected from Category I: Global issues (courses which focus on trans-regional zones or on issues which are trans-regional in scope); and 6-12 credits from at least two departments selected from international studies Category II: National and regional topics. List A (courses which focus on issues which are national or regional in scope) and
3. INS 495 Directed Readings in International Studies (3 cr.) - capstone course.
4. Proficiency in a foreign language demonstrated through completion of 202 level course work or equivalent.
5. 12 credits must be at 300 level or above.

Students are encouraged to design a program with a focus that reflects their particular interests.

Category I: Global issues

Check the department course listing for particular prerequisites.

ANT 266 Anthropology of Food 3
ANT 370 Medical Anthropology 3
ANT/SOC 307 International Development and Culture Change 3 (every 3rd semester)
ARC 200 World Archaeology, the Story of Our Past 3
ARC/HIS 204 Ancient Literate Civilizations 3
ART 301 World Art 3
ART 302 Visual Language in the Global Classroom 3
BUS 405 The Law of International Business Transactions 3
CST 332 Intercultural Communication 3
ECO 120 Global Macroeconomics 3
ECO 306 History of Economic Thought 3
ECO 311 Comparative Economic Systems 3
ECO 340 Introduction to International Economics 3
ECO 375 Economic Development 3
ECO 440 International Financial Economics 3
ENG 208 International Studies in Literature 3
ENG 356 European Literature in Translation 3
ENG 357 World Literature 3
ENG 434 Chinese Discourse 3
ENG 469 Post-Colonial Anglophone Literatures 3
ESC 211 Global Warming and Climate Change 3
FIN 440 Multinational Financial Management 3
FRE 220 France and the Francophone World 3
GEO 110 World Cultural Regions 3
GEO 200 Conservation of Global Environments 3
GEO 300 Population Geography 3
GEO 306 Economic Geography 3
GEO 307 Political Geography 3
HED 486 Introduction to International Health 1
HIS 101 Global Origins of the Modern World 3
or HIS 102 Global Transition and Change 3
HIS 205 History of Ethical Values in World Religions 3
HIS 311 Dilemmas of Peace and War 3
HIS 330 History of Religions 3
INS 250 Orientation to Study Abroad 1
INS 251 Study Abroad Practicum: Journaling 1
INS 252 Cross-Cultural Reentry From Study Abroad 1
MGT 360 Global Perspective on Business 3
MGT 430 Comparative Management Systems 3
MGT 431 Business, Labor and Human Rights 3
MGT 484 International Human Resource Management 3
MKT 341 International Marketing 3
MKT 445 International Marketing Strategies 3
MLG 299 Foreign Literature in Translation 3
PHL 349 Asian Philosophy 3
PHL 401 World Ethics 3
POL 234 Comparative Political Systems 3
POL 330 Politics of Developing Areas 3
POL 341 America and the World 3
POL 344 Politics of Global Governance 3
POL 345 International Law 3
POL 346 Model UN: The United Nations System 3
POL 351 Classical Political Philosophy 3
POL 353 Modern and Contemporary Political Philosophy 3
POL 355 Political Ideologies 3
POL 443 Introduction to International Political Risk 3
POL 446 Model UN: International Diplomacy 3
PSY 282 Cross-Cultural Psychology 3
PSY 360 Cross Cultural Human Development 3
SOC 315 Religion and Society 3
SOC 320 Demography 3
SOC 404 Global Inequality 3
THA 351 World Theatre 3
WGS 337 Globalization, Women, and Work 3
WGS 373 Gender and Human Rights 3

1 May count in the minor only if not used to fulfill general education requirements.

Category II: National and regional topics

List A: General course list

ANT 215 Refugees, Displaced Persons & Transnational Communities 3
ANT 290 Andean Anthropology 3
ANT 320 Rites, Rituals and Ceremonies 3
ANT 354 Peoples and Cultures of Latin America 3
ANT/ARC/HIS 353 Maya Civilization 3
ARC 280 Archaeology of the Andes 3
ARC 285 Archaeology of Mexico and Central America (summer on-line course) 3
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<td>Pyramids, Temples and Towns! The Archaeology of Ancient Egypt</td>
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<td>ARC 331</td>
<td>The Ancient Greek World</td>
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<td>ARC 332</td>
<td>Ancient Rome and the Mediterranean</td>
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<td>ARC 340</td>
<td>Origins of Cities</td>
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<td>The Ancient Greek World</td>
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<td>ARC/HIS 351</td>
<td>Ancient Iraq</td>
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<td>ARC/HIS 365</td>
<td>Ancient Israel</td>
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<td>Restoration and Eighteenth-Century British Literature</td>
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<td>British Romanticism (1770-1830)</td>
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<td>Victorian Poets</td>
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<td>French Civilization to the Revolution</td>
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<td>Modern and Contemporary France</td>
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<td>SPA 305</td>
<td>Introduction to Hispanic Literature</td>
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<td>Geography of the Middle East, Central and South Asia</td>
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<td>The Ancient and Medieval Worlds</td>
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<td>Survey of Modern Europe</td>
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<td>The Asian World</td>
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<td>Survey of Modern African History</td>
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<td>HIS 314</td>
<td>The Holocaust</td>
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<td>World War II</td>
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<td>Modern Christianity</td>
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<td>History of Islam</td>
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<td>Christianity to 1517</td>
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<td>Aspects of Chinese History</td>
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<td>History of Russia and the Soviet Union</td>
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<td>Nineteenth Century Latin America</td>
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<td>Twentieth Century Latin America</td>
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<td>History of Modern Europe (20th Century)</td>
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<td>INS 360</td>
<td>International Service Learning</td>
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<td>MKT 440</td>
<td>Comparative Marketing Systems</td>
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<td>Films and Literature</td>
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<td>MUS 201</td>
<td>Musical Cultures</td>
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<td>Music History: 1600-1825</td>
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<td>MUS 204</td>
<td>Latin American Music: Its Context and Impact</td>
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<td>MUS 302</td>
<td>Music History: 20th Century</td>
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List B: European emphasis

ARC/HIS 331 The Ancient Greek World 3
ARC/HIS 332 Ancient Rome and the Mediterranean 3
ART 251 Art History I: Ancient and Medieval Art 3
ART 252 Art History II: Renaissance to Contemporary Art 3
ART 332 Contemporary Art 3
ART 341 Selected Topics in Art History 3
ENG 203 English Literature I 3
ENG 204 English Literature II 3
ENG 205 Western Literature I 3
ENG 206 Western Literature II 3
ENG 356 European Literature in Translation 3
ENG 362 English Renaissance 3
ENG 363 Shakespeare I 3
ENG 364 Shakespeare II 3
ENG 366 Restoration and Eighteenth-Century British Literature 3
ENG 367 19th Century British Literature 3
ENG 368 British Literature After 1900 3
ENG 462 Seminar in British Literature 3
ENG 463 Chaucer 3
ENG 464 Milton 3
ENG 466 British Romanticism (1770-1830) 3
ENG 467 Victorian Poets 3
FRE 305 An Introduction to Literature in French 3
FRE 315 Business French 3
FRE 320 French Civilization to the Revolution 3
FRE 325 Modern and Contemporary France 3
FRE 326 Current Events 1
FRE 351 Films in French 4
FRE 404 French Literature: Theatre 3
FRE 405 French Literature: Prose 3
FRE 406 French Literature: Poetry 3
GER 300 Advanced German 3
GER 301 An Introduction to German Literature 3
GER 315 Business German 3
GER 320 German Civilization: 1870-Reunification 3
GER 321 German Civilization: 1899-Present 3
GER 326 Current Events 1
GER 351 Films in German 4
GER 399 German Literature in Translation 3
GER 403 Studies of German Literature 3
GER 406 Contemporary German Literature 3
RUS 305 Golden Age Russian Literature and Culture 3
SPA 320 Spanish Civilization 3
SPA 351 Films in Spanish 4
SPA 402 Spanish Literature II 3
SPA 403 Studies in Hispanic Literature 3
SPA 440 The Spanish Novel 3
SPA 441 The Spanish Theater 3
GEO 304 Geography of Europe 3
HIS 230 The Ancient and Medieval Worlds 3
HIS 240 Survey of Modern Europe 3
HIS 323 World War II 3
HIS 339 History of Russia and the Soviet Union 3
HIS 346 History of the Middle Ages 3
HIS 348 Renaissance and Reformation 3
HIS 349 History of Modern Europe (20th Century) 3
HIS 350 Episodes in French History 3
HIS 351 History of France: 1750 - Present 3
HIS 352 History of Modern Germany 3
HIS 354 Spain to 1700 3
HIS 355 England to 1603 3
MKT 440 Comparative Marketing Systems 3
MUS 201 Musical Cultures 3
MUS 202 Music History: 1600-1825 2
MUS 301 Music History: 1825-1900 2
MUS 302 Music History: 20th Century 2
MUS 403 Symphonic Literature 2
MUS 407 Survey of Opera 2
PHL 205 History of Philosophy I 3
PHL 206 History of Philosophy II 3
PHL 323 Phenomenology, Existentialism and Postmodernism 3
POL 338 European Government and Politics 3
THA 250 Theatre Studies I: Origins to the Middle Ages 3
THA 251 Theatre Studies II: Renaissance Thru Mid 19th Century 3
THA 350 Theatre Studies III: Realism to the Present 3
THA 351 World Theatre 3

List C: Latin American emphasis

ANT 290 Andean Anthropology 3
ANT 354 Peoples and Cultures of Latin America 3
ANT/ARC/HIS 353 Maya Civilization 3
ANT/SOC 354 Peoples and Cultures of Latin America (every Spring semester) 3
ARC 280 Archaeology of the Andes 3
ARC 285 Archaeology of Mexico and Central America 3
SPA 315 Business Spanish 3
SPA 321 Spanish American Civilization 3
SPA 326 Current Events 1
Complete the international studies minor with the following specifications:

1. POL/GEO/ECO/SOC/ANT/HIS 202, three credits.
2. 18 credits from approved international studies course lists, including: six credits from at least two departments selected.
from Category I: Global issues; AND 12 credits from at least two departments selected from Category II, List D: Asian emphasis courses on national and regional topics. (Students are strongly recommended to take GEO 110 World Cultural Regions (3 cr.) from Category I.)

3. INS 495 Directed Readings in International Studies (3 cr.) - capstone course.

4. proficiency in an Asian language (CHI 202 Intermediate Chinese II (4 cr.), MLG 202 World Languages: Intermediate II (4 cr.) Japanese). Other appropriate foreign language experience demonstrated through completion of 202 level course work or equivalent may be used with approval of program director; and

5. 12 credits must be at 300 level or above.

Category I: Global issues

Check the department course listing for particular prerequisites.

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<th>Title</th>
<th>Credits</th>
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<td>Anthropology of Food</td>
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<tr>
<td>ANT 370</td>
<td>Medical Anthropology</td>
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<tr>
<td>ANT/SOC 307</td>
<td>International Development and Culture Change (every 3rd semester)</td>
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<td>ARC 200</td>
<td>World Archaeology, the Story of Our Past</td>
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<td>ARC/HIS 204</td>
<td>Ancient Literate Civilizations</td>
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<td>ART 301</td>
<td>World Art</td>
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<td>ART 302</td>
<td>Visual Language in the Global Classroom</td>
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<td>BUS 405</td>
<td>The Law of International Business Transactions</td>
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<td>CST 332</td>
<td>Intercultural Communication</td>
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<td>ECO 120</td>
<td>Global Macroeconomics</td>
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<td>ECO 306</td>
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<td>International Studies in Literature</td>
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<td>Chinese Discourse</td>
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<td>Post-Colonial Anglophone Literatures</td>
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<td>ESC 211</td>
<td>Global Warming and Climate Change</td>
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1 May count in the minor only if not used to fulfill general education requirements.

Category II: National and regional topics

List A: General course list

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<td>Shakespeare I</td>
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<td>Shakespeare II</td>
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<td>Restoration and Eighteenth-Century British Liter</td>
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<td>ENG 367</td>
<td>19th Century British Literature</td>
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<td>British Literature After 1900</td>
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<td>ENG 463</td>
<td>Chaucer</td>
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<td>British Romanticism (1770-1830)</td>
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<td>Victorian Poets</td>
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<td>An Introduction to Literature in French</td>
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<td>Golden Age Russian Literature and Culture</td>
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<td>Spanish Civilization</td>
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<td>HIS 230</td>
<td>The Ancient and Medieval Worlds</td>
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<td>Survey of Modern Europe</td>
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<td>HIS 323</td>
<td>World War II</td>
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<td>HIS 339</td>
<td>History of Russia and the Soviet Union</td>
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<td>HIS 346</td>
<td>History of the Middle Ages</td>
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<td>Renaissance and Reformation</td>
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<td>History of Modern Europe (20th Century)</td>
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<td>Episodes in French History</td>
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<td>History of France: 1750 - Present</td>
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<td>History of Modern Germany</td>
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<td>HIS 354</td>
<td>Spain to 1700</td>
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<td>England to 1603</td>
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<td>PHL 323</td>
<td>Phenomenology, Existentialism and Postmodernm</td>
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<td>European Government and Politics</td>
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<td>Theatre Studies I:Origins to the Middle Ages</td>
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<td>THA 251</td>
<td>Theatre Studies II: Renaissance Thru Mid 19th Century</td>
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<td>THA 350</td>
<td>Theatre Studies III: Realism to the Present</td>
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**List C: Latin American emphasis**

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<td>ANT 354</td>
<td>Peoples and Cultures of Latin America</td>
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<td>ANT/ARC/HIS 353</td>
<td>Maya Civilization</td>
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<td>ANT/SOC 354</td>
<td>Peoples and Cultures of Latin America (every every Spring semester)</td>
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<td>ARC 280</td>
<td>Archaeology of the Andes</td>
<td>3</td>
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<td>ARC 285</td>
<td>Archaeology of Mexico and Central America</td>
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<td>Business Spanish</td>
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<td>Spanish American Civilization</td>
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<td>Current Events</td>
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<td>SPA 390</td>
<td>Topics in Hispanic Cultures</td>
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<td>SPA 420</td>
<td>Latin American Literature I</td>
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<td>SPA 421</td>
<td>Latin American Literature II</td>
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<td>SPA 425</td>
<td>Latino Literature of the United States</td>
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<td>GEO 318</td>
<td>The Geography of Latin America &amp; the Caribbean</td>
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<td>HIS 341</td>
<td>Nineteenth Century Latin America</td>
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<td>Twentieth Century Latin America</td>
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<td>HIS 343</td>
<td>U.S. Borderlands</td>
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<td>HIS 344</td>
<td>Colonial Latin America</td>
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<td>HIS 345</td>
<td>U.S.-Latin American Relations</td>
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<td>HIS 356</td>
<td>History of Mexico</td>
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List D: Asian emphasis

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<td>CHI 398</td>
<td>Directed Studies</td>
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<td>ENG 434</td>
<td>Chinese Discourse</td>
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<td>ERS/SOC/ANT 362</td>
<td>Hmong Americans</td>
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<td>GEO 328</td>
<td>Geography of East and Southeast Asia</td>
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<td>GEO 331</td>
<td>Geography of the Middle East, Central and South Asia</td>
<td>3</td>
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<td>HIS 250</td>
<td>The Asian World</td>
<td>3</td>
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<tr>
<td>HIS 327</td>
<td>History of Buddhism</td>
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<td>HIS 328</td>
<td>History of Hinduism</td>
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<td>HIS 334</td>
<td>Aspects of Chinese History</td>
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<td>HIS 335</td>
<td>History of China</td>
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<td>MUS 161</td>
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<td>Comparative Political Systems</td>
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<td>Asian Government and Politics</td>
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<td>World Theatre</td>
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List E: Middle East emphasis

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<td>Pyramids, Temples and Towns! The Archaeology of Ancient Egypt</td>
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<td>ARC/HIS 365</td>
<td>Ancient Iraq</td>
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<td>ARC/HIS 366</td>
<td>Ancient Israel</td>
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<td>ARC/HIS 367</td>
<td>Ancient Egypt</td>
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<td>ARC/HIS 368</td>
<td>History of Babylonian Language and Culture I</td>
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<tr>
<td>ARC/HIS 372</td>
<td>History of Women in the Ancient World</td>
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<td>ARC/HIS 374</td>
<td>Ancient Turkey</td>
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<td>ARC/HIS 375</td>
<td>Iran before Islam</td>
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<td>GEO 331</td>
<td>Geography of the Middle East, Central and South Asia</td>
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<td>HIS 260</td>
<td>Survey of the Middle East</td>
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<td>HIS 329</td>
<td>History of Islam</td>
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<tr>
<td>HIS 361</td>
<td>Israeli-Palestinian Conflict</td>
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<tr>
<td>HIS 362</td>
<td>Human Rights and the Middle East</td>
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<td>POL 336</td>
<td>Middle Eastern Government and Politics</td>
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<td>POL 405</td>
<td>Women and Politics in the Middle East</td>
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</table>

Additional courses which may be available for international studies credit. Students may obtain credit for the following courses by making application to the director of international studies. The director will determine the placement of the course into the above categories (depending upon course content) and the credit to be applied toward the minor. Please note that most of these courses have prerequisites.

<table>
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<td>BUS 400</td>
<td>Foreign Study Tour</td>
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<td>ENG 403</td>
<td>Individual Projects</td>
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<td>ENG 481</td>
<td>Seminar in Literature and Culture (depending on topic)</td>
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<td>ENG 482</td>
<td>Advanced Study of Women's Literature</td>
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<td>ENG 494</td>
<td>Advanced Topics in Literature</td>
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<td>Advanced Study of Major Authors</td>
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<td>ERS 300</td>
<td>Topics and Symposium in Minority Studies</td>
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<td>FRE 491</td>
<td>Films and Literature</td>
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<td>Independent Study</td>
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<td>FRE 499</td>
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<td>Special Topics in Geography/Earth Science</td>
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<td>GEO 476</td>
<td>Geography/Earth Science Topics for Teachers</td>
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<td>Independent Foreign Research</td>
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<td>Interdisciplinary Seminar International Studies</td>
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<tr>
<td>POL 300</td>
<td>Readings and Research in Political Science</td>
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International Studies Minor: European Emphasis

Minor requirements

(All colleges)

24 credits

Complete the international studies minor with the following specifications:

1. POL/GEO/ECO/SOC/ANT/HIS 202, three credits.
2. 18 credits from approved international studies course lists, specifically including: six credits from at least two departments selected from Category I: Global issues; AND 12 credits from at least two departments selected from Category II, List B: European emphasis courses on national and regional topics.
3. INS 495 Directed Readings in International Studies (3 cr.) - capstone course.
4. proficiency in a European language demonstrated through completion of 202 level course work or equivalent and
5. 12 credits must be at 300 level or above.

Category I: Global issues

Check the department course listing for particular prerequisites.

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<tr>
<td>ANT 370</td>
<td>Medical Anthropology</td>
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List A: General course list

ANT 215 Refugees, Displaced Persons & Transnational Communities 3
ANT 290 Andean Anthropology 3
ANT 320 Rites, Rituals and Ceremonies 3
ANT 354 Peoples and Cultures of Latin America 3
ANT/ARC/HIS 353 Maya Civilization 3
ARC 280 Archaeology of the Andes 3
ARC 285 Archaeology of Mexico and Central America (summer on-line course) 3
ARC 295 Pyramids, Temples and Towns! The Archaeology of Ancient Egypt 3
ARC 331 The Ancient Greek World 3
ARC 332 Ancient Rome and the Mediterranean 3
ARC 340 Origins of Cities 3
ARC 350 Independent Foreign Research in Archaeology 1-6
ARC/HIS 331 The Ancient Greek World 3
ARC/HIS 332 Ancient Rome and the Mediterranean 3
ARC/HIS 340 Origins of Cities 3
ARC/HIS 365 Ancient Iraq 3
ARC/HIS 366 Ancient Israel 3
ARC/HIS 367 Ancient Egypt 3
ARC/HIS 368 History of Babylonian Language and Culture I 3
ARC/HIS 369 History of Babylonian Language and Culture II 3
ARC/HIS 372 History of Women in the Ancient World 3
ARC/HIS 374 Ancient Turkey 3
ART 251 Art History I: Ancient and Medieval Art 3
ART 252 Art History II: Renaissance to Contemporary Art 3
ART 332 Contemporary Art 3
ENG 203 English Literature I 3
ENG 204 English Literature II 3
ENG 205 Western Literature I 3
ENG 206 Western Literature II 3
ENG 363 Shakespeare I 3
ENG 364 Shakespeare II 3
ENG 366 Restoration and Eighteenth-Century British Literature 3
ENG 434 Chinese Discourse 3
ENG 463 Chaucer 3
ENG 464 Milton 3
### List A: South-Central focus

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<td>Victorian Poets</td>
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<td>An Introduction to Literature in French</td>
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<td>FRE 320</td>
<td>French Civilization to the Revolution</td>
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<td>FRE 321</td>
<td>Studies in Francophone Civilizations</td>
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<td>Modern and Contemporary France</td>
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<td>Studies in French/Francophone Literature</td>
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<td>Geography of East and Southeast Asia</td>
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<td>Geography of the Middle East, Central and South Asia</td>
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<td>HIS 250</td>
<td>The Asian World</td>
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<td>HIS 327</td>
<td>History of Buddhism</td>
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HIS 328 History of Hinduism 3
HIS 334 Aspects of Chinese History 3
HIS 335 History of China 3
MUS 161 Ensembles 1
PHL 349 Asian Philosophy 3
POL 234 Comparative Political Systems 3
POL 333 Asian Government and Politics 3
THA 351 World Theatre 3

List E: Middle East emphasis
ARC/HIS 295 Pyramids, Temples and Towns! The Archaeology of Ancient Egypt 3
ARC/HIS 365 Ancient Iraq 3
ARC/HIS 366 Ancient Israel 3
ARC/HIS 367 Ancient Egypt 3
ARC/HIS 368 History of Babylonian Language and Culture I 3
ARC/HIS 369 History of Babylonian Language and Culture II 3
ARC/HIS 372 History of Women in the Ancient World 3
ARC/HIS 374 Ancient Turkey 3
ARC/HIS 375 Iran before Islam 3
GEO 331 Geography of the Middle East, Central and South Asia 3
HIS 260 Survey of the Middle East 3
HIS 329 History of Islam 3
HIS 361 Israeli-Palestinian Conflict 3
HIS 362 Human Rights and the Middle East 3
POL 336 Middle Eastern Government and Politics 3
POL 405 Women and Politics in the Middle East 3

Additional courses which may be available for international studies credit. Students may obtain credit for the following courses by making application to the director of international studies. The director will determine the placement of the course into the above categories (depending upon course content) and the credit to be applied toward the minor. Please note that most of these courses have prerequisites.

ACC 450 College of Business Administration Internship 1-6
ART 341 Selected Topics in Art History 3
BUS 400 Foreign Study Tour 1
ENG 403 Individual Projects 1-3
ENG 481 Seminar in Literature and Culture (depending on topic) 3
ENG 482 Advanced Study of Women’s Literature 3
ENG 494 Advanced Topics in Literature 1-3
ENG 495 Advanced Study of Major Authors 3
ERS 300 Topics and Symposium in Minority Studies 1-3
FRE 491 Films and Literature 3
FRE 498 Independent Study 1-3
FRE 499 Independent Study 1-3
GEO 470 Special Topics in Geography/Earth Science 1-3
GEO 476 Geography/Earth Science Topics for Teachers 1-3
GEO 490 Independent Study 2-3
GEO 495 Seminar in Geography/Earth Science 1-3
GER 498 Independent Study 1-3
GER 499 Independent Study 1-3
HIS 300 Topics in History 1-3
HIS 497 Individual Study in History 1-3
INS 350 Independent Foreign Research 1-6
INS 425 Interdisciplinary Seminar International Studies 2-3
INS 426 International Study Tour 1
INS 450 International Internship 1-6
MGT 452 College of Business Administration International Internship 1-6
MKT 499 Independent Study 1-3
MLG 491 Films and Literature 3
PHL 300 Topics in Philosophy 3
PHL 494 Advanced Topics in Philosophy 3
PHL 495 Individual Study in Philosophy 1-3
POL 499 Readings and Research in Political Science 1-3

International Studies Minor: Latin American Emphasis

Minor requirements
(All colleges)
24 credits

Complete the international studies minor with the following specifications:

1. POL/GEO/ECO/SOC/ANT/HIS 202, three credits.
2. 18 credits from approved international studies course lists, including: six credits from at least two departments selected from Category I: Global issues; AND 12 credits from at least two departments selected from Category II, specifically including SPA 321 Spanish American Civilization (3 cr.) and at least six credits from Category II, List C: Latin American emphasis courses. (An additional course may come from Category II, List A.)
3. INS 495 Directed Readings in International Studies (3 cr.) - capstone course.
4. proficiency in a Latin American language demonstrated through completion of 202 level course work or equivalent and
5. 12 credits must be at 300 level or above.

Category I: Global issues

Check the department course listing for particular prerequisites.

ANT 266 Anthropology of Food 3
ANT 370 Medical Anthropology 3
ANT/SOC 307 International Development and Culture Change (every 3rd semester) 3
ARC 200 World Archaeology, the Story of Our Past 3
ARC/HIS 204 Ancient Literate Civilizations 3
ART 301 World Art 3
ART 302 Visual Language in the Global Classroom 3
BUS 405 The Law of International Business Transactions 3
CST 332 Intercultural Communication 3
ECO 120 Global Macroeconomics 3
ECO 306 History of Economic Thought 3
ECO 311 Comparative Economic Systems 3
ECO 340 Introduction to International Economics 3
ECO 375 Economic Development 3
ECO 440 International Financial Economics 3
List A: General course list

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<td>European Literature in Translation</td>
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<td>ENG 357</td>
<td>World Literature</td>
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<td>ENG 434</td>
<td>Chinese Discourse</td>
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<td>ENG 469</td>
<td>Post-Colonial Anglophone Literatures</td>
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<td>ESC 211</td>
<td>Global Warming and Climate Change</td>
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<td>FIN 440</td>
<td>Multinational Financial Management</td>
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<td>FRE 220</td>
<td>France and the Francophone World</td>
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<td>GEO 110</td>
<td>World Cultural Regions</td>
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<td>Conservation of Global Environments</td>
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<td>Global Origns of the Modern World 1</td>
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<td>History of Ethical Values in World Religions</td>
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<td>HIS 311</td>
<td>Dilemmas of Peace and War</td>
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<td>History of Religions</td>
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<td>INS 250</td>
<td>Orientation to Study Abroad</td>
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<td>INS 251</td>
<td>Study Abroad Practicum: Journaling</td>
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<td>INS 252</td>
<td>Cross-Cultural Reentry From Study Abroad</td>
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<td>MGT 360</td>
<td>Global Perspective on Business</td>
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<td>Comparative Management Systems</td>
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<td>America and the World</td>
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<td>Politics of Global Governance</td>
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<td>POL 345</td>
<td>International Law</td>
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<td>POL 346</td>
<td>Model UN: The United Nations System</td>
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<td>POL 351</td>
<td>Classical Political Philosophy</td>
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<td>Modern and Contemporary Political Philosophy</td>
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<td>Introduction to International Political Risk</td>
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<td>POL 446</td>
<td>Model UN: International Diplomacy</td>
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<td>Cross-Cultural Psychology</td>
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<td>Religion and Society</td>
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<td>SOC 320</td>
<td>Demography</td>
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<td>WGS 337</td>
<td>Globalization, Women, and Work</td>
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<td>WGS 373</td>
<td>Gender and Human Rights</td>
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1 May count in the minor only if not used to fulfill general education requirements.

**Category II: National and regional topics**

**List A: General course list**

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<td>Refugees, Displaced Persons &amp; Transnational Communities</td>
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<td>ANT 290</td>
<td>Andean Anthropology</td>
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<td>ANT 320</td>
<td>Rites, Rituals and Ceremonies</td>
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<td>ANT 354</td>
<td>Peoples and Cultures of Latin America</td>
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<td>ANT/ARC/HIS 353</td>
<td>Maya Civilization</td>
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<td>ARC 280</td>
<td>Archaeology of the Andes</td>
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<td>ARC 285</td>
<td>Archaeology of Mexico and Central America (summer on-line course)</td>
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<td>ARC 295</td>
<td>Pyramids, Temples and Towns! The Archaeology of Ancient Egypt</td>
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<td>The Ancient Greek World</td>
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<td>ARC 332</td>
<td>Ancient Rome and the Mediterranean</td>
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<td>ARC 340</td>
<td>Origins of Cities</td>
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<td>ARC 350</td>
<td>Independent Foreign Research in Archaeology</td>
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<td>The Ancient Greek World</td>
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<td>History of Women in the Ancient World</td>
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<td>ARC/HIS 374</td>
<td>Ancient Turkey</td>
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<td>Art History I: Ancient and Medieval Art</td>
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<td>ART 252</td>
<td>Art History II: Renaissance to Contemporary Art</td>
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<td>Restoration and Eighteenth-Century British Liter</td>
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<td>ENG 463</td>
<td>Chaucer</td>
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<td>ENG 464</td>
<td>Milton</td>
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<td>ENG 466</td>
<td>British Romanticism (1770-1830)</td>
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<td>ENG 467</td>
<td>Victorian Poets</td>
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<td>An Introduction to Literature in French</td>
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<td>Business French</td>
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<td>French Civilization to the Revolution</td>
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<td>FRE 321</td>
<td>Studies in Francophone Civilizations</td>
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<td>Studies in French/Francophone Literature</td>
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<td>FRE 404</td>
<td>French Literature: Theatre</td>
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<td>FRE 406</td>
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List B: European emphasis

ARC/HIS 331  The Ancient Greek World  3
ARC/HIS 332  Ancient Rome and the Mediterranean  3
ART 251  Art History I: Ancient and Medieval  3
ART 252  Art History II: Renaissance to Contemporary  3
ART 332  Contemporary Art  3
ART 341  Selected Topics in Art History  3
ENG 203  English Literature I  3
ENG 204  English Literature II  3
ENG 205  Western Literature I  3
ENG 206  Western Literature II  3
ENG 356  European Literature in Translation  3
ENG 362  English Renaissance  3
ENG 363  Shakespeare I  3
ENG 364  Shakespeare II  3
ENG 366  Restoration and Eighteenth-Century British Liter  3
ENG 367  19th Century British Literature  3
ENG 368  British Literature After 1900  3
ENG 462  Seminar in British Literature  3
ENG 463  Chaucer  3
ENG 464  Milton  3
ENG 466  British Romanticism (1770-1830)  3
ENG 467  Victorian Poets  3
FRE 305  An Introduction to Literature in French  3
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<td>World War II</td>
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<td>History of Russia and the Soviet Union</td>
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<td>History of the Middle Ages</td>
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<td>Renaissance and Reformation</td>
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<td>History of Modern Europe (20th Century)</td>
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<td>Episodes in French History</td>
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<td>History of France: 1750 - Present</td>
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<td>History of Modern Germany</td>
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<td>Phenomenology, Existentialism and Postmodernism</td>
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<td>European Government and Politics</td>
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<td>Theatre Studies I:Origins to the Middle Ages</td>
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<td>Theatre Studies II: Renaissance Thru Mid 19th</td>
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<td>Theatre Studies III: Realism to the Present</td>
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List C: Latin American emphasis

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<td>Peoples and Cultures of Latin America</td>
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<td>ANT/ARC/HIS 353</td>
<td>Maya Civilization</td>
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<td>ANT/SOC 354</td>
<td>Peoples and Cultures of Latin America (every Spring semester)</td>
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<td>ARC 280</td>
<td>Archaeology of the Andes</td>
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<td>ARC 285</td>
<td>Archaeology of Mexico and Central America</td>
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<td>Spanish American Civilization</td>
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<td>Topics in Hispanic Cultures</td>
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<td>GEO 318</td>
<td>The Geography of Latin America &amp; the Caribbean</td>
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<td>Nineteenth Century Latin America</td>
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<td>U.S. Borderlands</td>
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<td>HIS 344</td>
<td>Colonial Latin America</td>
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<td>HIS 345</td>
<td>U.S.-Latin American Relations</td>
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<td>HIS 356</td>
<td>History of Mexico</td>
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<td>HIS 360</td>
<td>Women, Gender, and Sexuality in Latin America</td>
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<td>MUS 204</td>
<td>Latin American Music: Its Context and Impact</td>
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<td>PHL 345</td>
<td>Latin American Philosophy</td>
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<td>Contemporary Latin America</td>
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<td>Women and Politics in Latin America</td>
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List D: Asian emphasis

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<td>Chinese Discourse</td>
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<td>ERS/SOC/ANT 362</td>
<td>Hmong Americans</td>
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<tr>
<td>GEO 328</td>
<td>Geography of East and Southeast Asia</td>
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<td>GEO 331</td>
<td>Geography of the Middle East, Central and South Asia</td>
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<td>The Asian World</td>
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<td>HIS 327</td>
<td>History of Buddhism</td>
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<td>HIS 328</td>
<td>History of Hinduism</td>
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<td>HIS 334</td>
<td>Aspects of Chinese History</td>
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<td>HIS 335</td>
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<td>MUS 161</td>
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<td>Comparative Political Systems</td>
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<td>Asian Government and Politics</td>
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List E: Middle East emphasis

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<td>Pyramids, Temples and Towns! The Archaeology of Ancient Egypt</td>
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<td>ARC/HIS 365</td>
<td>Ancient Iraq</td>
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<td>ARC/HIS 366</td>
<td>Ancient Israel</td>
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International Studies Minor:  
Middle East Emphasis

Minor requirements

(All colleges)

24 credits

Complete the international studies minor with the following specifications:

1. POL/GEO/ECO/SOC/ANT/HIS 202, three credits.
2. 18 credits from approved international studies course lists, including: six credits from at least two departments selected from Category I: Global issues; AND 12 credits from at least two departments selected from Category II, specifically including HIS 260 Survey of the Middle East (3 cr.) and at least six credits from Category II, List E: Middle Eastern emphasis. (An additional course may come from Category II, List A.)
3. INS 495 Directed Readings in International Studies (3 cr.) - capstone course.
4. Proficiency in Middle Eastern language (MLG 202 World Languages: Intermediate II (4 cr.) Arabic, MLG 202 World Languages: Intermediate II (4 cr.) Hebrew). Other appropriate foreign language experience demonstrated through completion of 202 level course work or equivalent may be used with approval of program director; and
5. 12 credits must be at 300 level or above.

Category I: Global issues

Check the department course listing for particular prerequisites.

- **ANT 266** Anthropology of Food 3
- **ANT 370** Medical Anthropology 3
- **ANT/SOC 307** International Development and Culture Change (every 3rd semester) 3
- **ARC 200** World Archaeology, the Story of Our Past 3
- **ARC/HIS 204** Ancient Literate Civilizations 3
- **ART 301** World Art 3
- **ART 302** Visual Language in the Global Classroom 3
- **BUS 405** The Law of International Business Transactions 3
- **CST 332** Intercultural Communication 3
- **ECO 120** Global Macroeconomics 3
- **ECO 306** History of Economic Thought 3
- **ECO 311** Comparative Economic Systems 3
- **ECO 340** Introduction to International Economics 3
- **ECO 375** Economic Development 3
- **ECO 440** International Financial Economics 3
- **ENG 208** International Studies in Literature 3
- **ENG 356** European Literature in Translation 3
- **ENG 357** World Literature 3
- **ENG 434** Chinese Discourse 3
- **ENG 469** Post-Colonial Anglophone Literatures 3
- **ESC 211** Global Warming and Climate Change 3
- **FIN 440** Multinational Financial Management 3
- **FRE 220** France and the Francophone World 3
- **GEO 110** World Cultural Regions 3
- **GEO 200** Conservation of Global Environments 3
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<td>GEO 306</td>
<td>Economic Geography</td>
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<td>GEO 307</td>
<td>Political Geography</td>
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<td>HED 486</td>
<td>Introduction to International Health</td>
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<td>HIS 101</td>
<td>Global Origins of the Modern World</td>
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<td>HIS 205</td>
<td>History of Ethical Values in World Religions</td>
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<td>HIS 311</td>
<td>Dilemmas of Peace and War</td>
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<td>HIS 330</td>
<td>History of Religions</td>
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<td>INS 250</td>
<td>Orientation to Study Abroad</td>
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<td>Study Abroad Practicum: Journaling</td>
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<td>Global Perspective on Business</td>
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<td>Comparative Management Systems</td>
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<td>Comparative Political Systems</td>
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<td>Politics of Developing Areas</td>
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<td>America and the World</td>
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<td>Politics of Global Governance</td>
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<td>POL 345</td>
<td>International Law</td>
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<td>POL 346</td>
<td>Model UN: The United Nations System</td>
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<td>Classical Political Philosophy</td>
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<td>Modern and Contemporary Political Philosophy</td>
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<td>POL 355</td>
<td>Political Ideologies</td>
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<td>POL 443</td>
<td>Introduction to International Political Risk</td>
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<td>POL 446</td>
<td>Model UN: International Diplomacy</td>
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<td>PSY 282</td>
<td>Cross-Cultural Psychology</td>
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<td>Cross Cultural Human Development</td>
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<td>Religion and Society</td>
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<td>SOC 320</td>
<td>Demography</td>
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<td>SOC 404</td>
<td>Global Inequality</td>
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<td>THA 351</td>
<td>World Theatre</td>
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<td>WGS 337</td>
<td>Globalization, Women, and Work</td>
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<td>WGS 373</td>
<td>Gender and Human Rights</td>
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1 May count in the minor only if not used to fulfill general education requirements.

**Category II: National and regional topics**

**List A: General course list**

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<td>Andean Anthropology</td>
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<td>ANT 320</td>
<td>Rites, Rituals and Ceremonies</td>
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<td>ANT 354</td>
<td>Peoples and Cultures of Latin America</td>
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<td>ANT/ARC/HIS 353</td>
<td>Maya Civilization</td>
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<td>ARC 280</td>
<td>Archaeology of the Andes</td>
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<td>ARC 285</td>
<td>Archaeology of Mexico and Central America (summer on-line course)</td>
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<td>Pyramids, Temples and Towns! The Archaeology of Ancient Egypt</td>
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<td>The Ancient Greek World</td>
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<tr>
<td>ARC 332</td>
<td>Ancient Rome and the Mediterranean</td>
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<td>ARC 340</td>
<td>Origins of Cities</td>
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<td>ARC 350</td>
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<td>The Ancient Greek World</td>
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<td>History of Babylonian Language and Culture</td>
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<td>ARC/HIS 374</td>
<td>Ancient Turkey</td>
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<td>Art History I: Ancient and Medieval Art</td>
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<td>Art History II: Renaissance to Contemporary Art</td>
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<td>Victorian Poets</td>
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<td>An Introduction to Literature in French</td>
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<td>French Civilization to the Revolution</td>
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<td>Studies in Francophone Civilizations</td>
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<td>Modern and Contemporary France</td>
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<td>French Literature: Theatre</td>
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<td>French Literature: Prose</td>
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<td>French Literature: Poetry</td>
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<td>German Civilization: 1870-Reunification</td>
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<td>MUS 407</td>
<td>Survey of Opera</td>
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<td>Asian Government and Politics</td>
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<td>Global Inequality</td>
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<td>Theatre Studies II: Renaissance Thru Mid 19th Century</td>
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<td>Theatre Studies III: Realism to the Present</td>
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**List B: European emphasis**

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<td>Art History II: Renaissance to Contemporary Art</td>
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<tr>
<td>ART 332</td>
<td>Contemporary Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 341</td>
<td>Selected Topics in Art History</td>
<td>3</td>
</tr>
<tr>
<td>ENG 203</td>
<td>English Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 204</td>
<td>English Literature II</td>
<td>3</td>
</tr>
<tr>
<td>ENG 205</td>
<td>Western Literature I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 206</td>
<td>Western Literature II</td>
<td>3</td>
</tr>
<tr>
<td>ENG 356</td>
<td>European Literature in Translation</td>
<td>3</td>
</tr>
<tr>
<td>ENG 362</td>
<td>English Renaissance</td>
<td>3</td>
</tr>
<tr>
<td>ENG 363</td>
<td>Shakespeare I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 364</td>
<td>Shakespeare II</td>
<td>3</td>
</tr>
<tr>
<td>ENG 366</td>
<td>Restoration and Eighteenth-Century British Liter</td>
<td>3</td>
</tr>
<tr>
<td>ENG 367</td>
<td>19th Century British Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 368</td>
<td>British Literature After 1900</td>
<td>3</td>
</tr>
<tr>
<td>ENG 462</td>
<td>Seminar in British Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 463</td>
<td>Chaucer</td>
<td>3</td>
</tr>
<tr>
<td>ENG 464</td>
<td>Milton</td>
<td>3</td>
</tr>
<tr>
<td>ENG 466</td>
<td>British Romanticism (1770-1830)</td>
<td>3</td>
</tr>
<tr>
<td>ENG 467</td>
<td>Victorian Poets</td>
<td>3</td>
</tr>
<tr>
<td>FRE 305</td>
<td>An Introduction to Literature in French</td>
<td>3</td>
</tr>
<tr>
<td>FRE 315</td>
<td>Business French</td>
<td>3</td>
</tr>
<tr>
<td>FRE 320</td>
<td>French Civilization to the Revolution</td>
<td>3</td>
</tr>
<tr>
<td>FRE 325</td>
<td>Modern and Contemporary France</td>
<td>3</td>
</tr>
<tr>
<td>FRE 326</td>
<td>Current Events</td>
<td>1</td>
</tr>
<tr>
<td>FRE 351</td>
<td>Films in French</td>
<td>4</td>
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<tr>
<td>FRE 404</td>
<td>French Literature: Theatre</td>
<td>3</td>
</tr>
<tr>
<td>FRE 405</td>
<td>French Literature: Prose</td>
<td>3</td>
</tr>
<tr>
<td>FRE 406</td>
<td>French Literature: Poetry</td>
<td>3</td>
</tr>
<tr>
<td>GER 300</td>
<td>Advanced German</td>
<td>3</td>
</tr>
<tr>
<td>GER 301</td>
<td>An Introduction to German Literature</td>
<td>3</td>
</tr>
<tr>
<td>GER 315</td>
<td>Business German</td>
<td>3</td>
</tr>
</tbody>
</table>
List C: Latin American emphasis

ANT 290 Andean Anthropology 3
ANT 354 Peoples and Cultures of Latin America 3
ANT/ARC/HIS 353 Maya Civilization 3
ANT/SOC 354 Peoples and Cultures of Latin America (every Spring semester) 3
ARC 280 Archaeology of the Andes 3
ARC 285 Archaeology of Mexico and Central America 3
SPA 315 Business Spanish 3
SPA 321 Spanish American Civilization 3

List D: Asian emphasis

ANT 351 Peoples and Cultures of Southeast Asia 3
CHI 398 Directed Studies 1:3
ENG 434 Chinese Discourse 3
ERS/SOC/ANT 362 Hmong Americans 3
GEO 328 Geography of East and Southeast Asia 3
GEO 331 Geography of the Middle East, Central and South Asia 3
HIS 250 The Asian World 3
HIS 327 History of Buddhism 3
HIS 328 History of Hinduism 3
HIS 334 Aspects of Chinese History 3
HIS 335 History of China 3
MUS 161 Ensembles 1
PHL 349 Asian Philosophy 3
POL 234 Comparative Political Systems 3
POL 333 Asian Government and Politics 3
THA 351 World Theatre 3

List E: Middle East emphasis

ARC/HIS 295 Pyramids, Temples and Towns: The Archaeology of Ancient Egypt 3
ARC/HIS 365 Ancient Iraq 3
ARC/HIS 366 Ancient Israel 3
ARC/HIS 367 Ancient Egypt 3
ARC/HIS 368 History of Babylonian Language and Culture I 3
ARC/HIS 369 History of Babylonian Language and Culture II 3
ARC/HIS 372 History of Women in the Ancient World 3
ARC/HIS 374 Ancient Turkey 3
ARC/HIS 375 Iran before Islam 3
GEO 331 Geography of the Middle East, Central and South Asia 3
HIS 260 Survey of the Middle East 3
HIS 329 History of Islam 3
HIS 361 Israeli-Palestinian Conflict 3
### Liberal Studies (LS)

**Liberal Studies career courses**

**Housed in the Department of Women’s, Gender and Sexuality Studies**

**WGSS Department Chair: Deborah Hoskins**

4302 Centennial Hall; 608.785.8357

Email: dhoskins@uwlax.edu

### Military Science (MS)

**College of Liberal Studies**

**Department Chair: LTC James Hill**

58 Whitney Center; 608.785.8404

Email: jhill@uwlax.edu

www.uwlax.edu/rotc

The Department of Military Science, through the Army’s Reserve Officers Training Corps (ROTC), offers students an opportunity to receive a commission as a Second Lieutenant in the Regular Army, Army Reserve, or National Guard. Upon completion of the Military Science and Leadership program, the student will have acquired skills in leadership, management, problem solving, and decision making, which will facilitate the transition to a civilian career, while serving in the Army Reserve or National Guard, or military career in the Regular Army. Courses and training are conducted on the campus, in the local area or at military training facilities. The Military Science and Leadership Program is divided into basic course and advanced course requirements as outlined below.

ROTC basic and advanced courses (p. 146) Internships (p. 147)

### Army ROTC basic course (no service obligation incurred)

The Army ROTC Basic Course consists of two first year-level courses (MS 101 Introduction to the Army Profession and MS 102 Basic Leadership) and two sophomore-level courses (MS 201 Individual Leadership Studies and MS 202 Leadership and Teamwork); the four courses total eight credits. The first year courses focus on the introduction to the Army profession and officership. The sophomore courses focus on the experiential examination of leadership, decision-making, and group dynamics. By the end of the Army ROTC Basic Course, students will possess a basic understanding of the unique aspects of the officer corps, fundamentals of leadership and decision-making, fundamentals of leadership, and the ability to make decisions based upon ethical decision-making principles.

---

### Institute for Latina/o and Latin American Studies

The Institute for Latin American Studies (http://www2.uwlax.edu/cls/Latino/a-and-Latin-American-Studies) was organized in 1974 to call attention to the variety of courses dealing with Latin America. It promotes contact among professors with Latin American specialties, seeks to respond to student and community groups and presents speakers and other programs. The UW-L Institute is linked with other Latin Americanists in the UW System via the Center for Caribbean and Latin American Studies at UW-Milwaukee, and works to promote awareness of the Latina/o community in the region. Activities include Hispanic Heritage Month (September-October), Visiting Scholar Artist of Color Program, film and lecture series, and the annual La Crosse Area Latina/o Collaborative Workshop on Teaching, Service, and Research.

See the international studies minor with Latin American emphasis (p. 138) for the related academic program.

### Latina/o and Latin American Studies

**College of Liberal Studies**

**Institute Director: Omar Granados**

336A Wimberly Hall; 608.785.5243

Institute office: 340E Morris Hall

E-mail: ogranados@uwlax.edu

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 362</td>
<td>Human Rights and the Middle East</td>
<td>3</td>
</tr>
<tr>
<td>POL 336</td>
<td>Middle Eastern Government and Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 405</td>
<td>Women and Politics in the Middle East</td>
<td>3</td>
</tr>
</tbody>
</table>

Additional courses which may be available for international studies credit. Students may obtain credit for the following courses by making application to the director of international studies. The director will determine the placement of the course into the above categories (depending upon course content) and the credit to be applied toward the minor. Please note that most of these courses have prerequisites.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ACC 450</td>
<td>College of Business Administration Internship</td>
<td>1-6</td>
</tr>
<tr>
<td>ART 341</td>
<td>Selected Topics in Art History</td>
<td>3</td>
</tr>
<tr>
<td>BUS 400</td>
<td>Foreign Study Tour</td>
<td>1</td>
</tr>
<tr>
<td>ENG 403</td>
<td>Individual Projects</td>
<td>1-3</td>
</tr>
<tr>
<td>ENG 481</td>
<td>Seminar in Literature and Culture (depending on topic)</td>
<td>3</td>
</tr>
<tr>
<td>ENG 482</td>
<td>Advanced Study of Women’s Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 494</td>
<td>Advanced Topics in Literature</td>
<td>1-3</td>
</tr>
<tr>
<td>ENG 495</td>
<td>Advanced Study of Major Authors</td>
<td>3</td>
</tr>
<tr>
<td>ERS 300</td>
<td>Topics and Symposium in Minority Studies</td>
<td>1-3</td>
</tr>
<tr>
<td>FRE 491</td>
<td>Films and Literature</td>
<td>3</td>
</tr>
<tr>
<td>FRE 498</td>
<td>Independent Study</td>
<td>1-3</td>
</tr>
<tr>
<td>FRE 499</td>
<td>Independent Study</td>
<td>1-3</td>
</tr>
<tr>
<td>GEO 470</td>
<td>Special Topics in Geography/Earth Science</td>
<td>1-3</td>
</tr>
<tr>
<td>GEO 476</td>
<td>Geography/Earth Science Topics for Teachers</td>
<td>1-3</td>
</tr>
<tr>
<td>GEO 490</td>
<td>Independent Study</td>
<td>2-3</td>
</tr>
<tr>
<td>GEO 495</td>
<td>Seminar in Geography/Earth Science</td>
<td>1-3</td>
</tr>
<tr>
<td>GER 498</td>
<td>Independent Study</td>
<td>1-3</td>
</tr>
<tr>
<td>GER 499</td>
<td>Independent Study</td>
<td>1-3</td>
</tr>
<tr>
<td>HIS 300</td>
<td>Topics in History</td>
<td>1-3</td>
</tr>
<tr>
<td>HIS 497</td>
<td>Individual Study in History</td>
<td>1-3</td>
</tr>
<tr>
<td>INS 350</td>
<td>Independent Foreign Research</td>
<td>1-6</td>
</tr>
<tr>
<td>INS 425</td>
<td>Interdisciplinary Seminar International Studies</td>
<td>2-3</td>
</tr>
<tr>
<td>INS 426</td>
<td>International Study Tour</td>
<td>1</td>
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<tr>
<td>INS 450</td>
<td>International Internship</td>
<td>1-6</td>
</tr>
<tr>
<td>MGT 452</td>
<td>College of Business Administration International Internship</td>
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</tr>
<tr>
<td>MKT 499</td>
<td>Independent Study</td>
<td>1-3</td>
</tr>
<tr>
<td>MLG 491</td>
<td>Films and Literature</td>
<td>3</td>
</tr>
<tr>
<td>PHL 300</td>
<td>Topics in Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHL 494</td>
<td>Advanced Topics in Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHL 495</td>
<td>Individual Study in Philosophy</td>
<td>1-3</td>
</tr>
<tr>
<td>POL 499</td>
<td>Readings and Research in Political Science</td>
<td>1-3</td>
</tr>
</tbody>
</table>
making, the Army’s institutional values, and principles of individual fitness and healthy lifestyles. All basic course lessons emphasize student classroom practical exercises, inspire intellectual curiosity, and stimulate self-study.

**Army ROTC advanced course**

The Army ROTC Advanced Course consists of three distinct components: the leadership and decision-making training of the MS III, or junior year; the Leadership Development and Assessment Course (LDAC); and lessons that guide the student in a transition from Cadet to Army officer during the MS IV, or senior year. Advanced Course lessons are carefully sequenced, linked, and progressive in their treatment of key officer knowledge and competencies. The ROTC Advanced Course consists of 15 credit hours, acquired through MS 301 Leadership & Problem Solving, MS 302 Leadership and Ethical Decision Making, MS 401 Leadership and Management, MS 402 American Military History, and MS 403 Officership as described below. The prerequisite for the ROTC Advanced Course is the ROTC Basic Course. This requirement can also be fulfilled by attending an ROTC internship known as the Leadership Training Course (LTC). Additionally, basic course requirements are automatically met by veterans, Army Reservists, and National Guardsmen now enrolled in school who possess a minimum of 54 credit hours and have graduated from a basic training course from any of the armed services.

**Internships**

The military science department offers two types of internships that may, upon mutual agreement between the student’s college and the professor of military science, fulfill other academic internship requirements.

**Leadership internship (No military obligation incurred)**

The Leadership Training Course (LTC) is a paid, no obligation, four-week course held at Fort Knox, KY. This internship is high adventure, activity-based training that develops leadership, decision-making, and management skills. This internship is available to any sophomore or junior with four semesters of undergraduate study remaining, provided they have not already completed a basic military training course in any of the armed services. Motivation, initiative, and a drive for adventure are the key characteristics one must possess upon entering this internship. Upon completion, the student will receive seven credit hours and have the opportunity to enter the ROTC Advanced Course to pursue a commission as a Second Lieutenant in the Army.

**Leadership development and assessment course (LDAC)**

(an internship opportunity worth 3-12 credits, given prior coordination and consent from the student’s college and the professor of military science)

The LDAC provides the single most important block of training and evaluation in the progression of an Army cadet. Throughout the 32 LDAC training days at Fort Lewis, WA, cadets encounter stress-inducing physical and mental obstacles, which challenge them as individuals, soldiers, and leaders. The LDAC uses small unit tactical training as the vehicle for further developing self-confidence and evaluating a cadet’s leadership abilities and potential to serve as a commissioned officer. Prerequisites for LDAC attendance are MS 301, MS 302 and an Army contractual obligation for service as a commissioned officer.

**Our people**

**Professor and Department Chair**

LTC James Hill

**Senior Military Instructor Officer**

MSG Scott Heise

**Executive Officer and Assistant Professor**

CPT Christopher Pendleton

**Recruiting Operations Officer**

John Martin

**Assistant Operations Officer and Senior Military Instruction Officer**

Joseph Gano

**Administrative Support**

Charise Bock
Charlene Purnell

**Minor**

- Military science minor (p. 147)

**Military Science Minor**

**Minor requirements**

(All colleges)

25 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MS 301</td>
<td>Leadership &amp; Problem Solving</td>
<td>3</td>
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<tr>
<td>MS 302</td>
<td>Leadership and Ethical Decision Making</td>
<td>3</td>
</tr>
<tr>
<td>MS 401</td>
<td>Leadership and Management</td>
<td>3</td>
</tr>
<tr>
<td>MS 402</td>
<td>American Military History</td>
<td>3</td>
</tr>
<tr>
<td>MS 403</td>
<td>Officership</td>
<td>3</td>
</tr>
<tr>
<td>WGS 255</td>
<td>Women in the Military</td>
<td>1</td>
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</tbody>
</table>

Select three of the following: 9 credits

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<th>Title</th>
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<tbody>
<tr>
<td>ENG 308</td>
<td>Technical Writing</td>
</tr>
<tr>
<td>GEO 110</td>
<td>World Cultural Regions</td>
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<tr>
<td>GEO 300</td>
<td>Population Geography</td>
</tr>
<tr>
<td>GEO 307</td>
<td>Political Geography</td>
</tr>
<tr>
<td>POL 202</td>
<td>Contemporary Global Issues</td>
</tr>
<tr>
<td>POL 234</td>
<td>Comparative Political Systems</td>
</tr>
</tbody>
</table>

Total Credits 25

Students must complete the Leadership Development and Assessment Course (no credit) or a three credit community leadership internship (CEI 450).

**Modern Languages (MLG)**

*College of Liberal Studies*

Department Chair: Leslee Poulton

315E Graff Main Hall; 608.785.8316
The ability to communicate across national and linguistic borders has become essential in our globalized world; therefore, the mission of the Department of Modern Languages is to help students develop the linguistic, literary, and cross-cultural competence necessary to live, work, and be lifelong learners in our diverse world. We pride ourselves on excellence in teaching, and we work diligently to let students see how welcome and valued they are in our department. Each member of the faculty has traveled, studied, and lived in the cultures that speak the language(s) in which she/he specializes. If you are interested in participating in a study abroad program, we likely have a faculty member who is familiar with or specializes in that region and can help you prepare for your trip.

The department offers majors and minors in French, German studies and Spanish (with education majors and minors and business concentrations for each of these languages); minors in Chinese studies and teaching English to speakers of other languages (TESOL); certificates in French studies and Russian studies; and courses in Arabic, Japanese, and Hmong.

A student who plans to continue a language already studied in high school must take the UW System Foreign Language Placement Test in order to determine the appropriate course level. Following the appropriate course placement as indicated by this test should help assure receipt of retroactive credits, but does not guarantee them.

**Retroactive credit and advanced placement**

The Department of Modern Languages does not offer an exam to establish retroactive credit or advanced placement. Instead, a student may receive retroactive credits provided a grade of "B" or better is earned in the student’s first university course above the 101 level in a particular language. However, if a student received college credit for a course taken while still in high school (through advanced placement, Youth Options, or other cooperative agreements between secondary schools and colleges/universities), received a grade of "B" or better (if a grade was given), and did not receive retroactive credits at that time, retroactive credits may be awarded upon completion of the next level course at UW-La Crosse with a grade of "B" or higher. Please consult with the department chair if in doubt about eligibility for retroactive credits.

Retroactive credit may be given in one or more languages. No retroactive credit is given for FRE 220, for FRE 331 or SPA 331, or for FRE 326/GER 326/SPA 326 or any course taken in English. The first college level course taken to earn retroactive credits should be one in which several language skills can be evaluated.

- **Elementary Language II (102):**
  - Earns four retroactive credits plus four course credits for a total of eight credits.
  - Elementary French II (102) - earns three retroactive credits plus three course credits for a total of six credits

- **Intermediate Language I (201):**
  - Earns eight retroactive credits plus four course credits for a total of 12 credits.
  - Intermediate French I (201) - earns six retroactive credits plus three course credits for a total of nine credits

- **Intermediate Language II (202):**
  - Earns 12 retroactive credits plus four course credits for a total of 16 credits.
  - Intermediate French II (202) - earns nine retroactive credits plus three course credits for a total of 12 credits

**Note:** Any advanced course in a specific language other than French (except FRE 326 and FRE 331) - earns 16 retroactive credits plus two to four course credits for a total of 18-20 credits. Any advanced course in French (except FRE 326 and FRE 331) - earns 12 retroactive credits plus three course credits for a total of 15 credits.

**Language proficiency for the bachelor of arts degree**

A student who demonstrates satisfactory proficiency in an approved language at the 202 level may waive the foreign language requirement for the Bachelor of Arts degree. (Students still must complete seven credits in the general education requirement “Mathematical/logical systems and modern languages” (GE 02).) The student’s proficiency level will be determined by the results of the UW System Foreign Language Placement Test and the department’s proficiency examination. The student will not receive retroactive credit in the language for passing the proficiency examination.

**Study abroad credits and policies**

The chair of the Department of Modern Languages or designee(s) approves equivalencies for university study in other universities, domestic and foreign. Generally speaking, each major language offered in the department rules on which courses taken elsewhere are applicable and how they apply.

Students participating in study abroad programs are required to take INS 250 Orientation to Study Abroad and INS 251 Study Abroad Practicum: Journaling. INS 252 Cross-Cultural Reentry From Study Abroad is highly recommended. Students who choose to study abroad are required to take at least one three-credit course in the foreign language at UW-L after returning from the country of study.

**Note:** German Studies majors are required to study abroad and therefore, may choose to petition the requirement to take a course upon return from study abroad. Re-entry course requirement waiver forms are available at 315 Graff Main Hall. The request will be considered by the German Studies faculty. The decision will be based on evaluation of the student’s performance prior to the study experience in the foreign country. The faculty may also ask the student to take written and oral proficiency exams.

**General education writing emphasis**

This department incorporates a significant amount of writing through the required courses instead of identifying particular courses as writing emphasis courses. Students who complete a major in this department will fulfill the general education writing emphasis requirement (p. 50).

**Our people**

**Professor**

Leslee Poulton
Associate Professor
Victoria Calmes
Jean Hindson
Darlene Lake

Assistant Professor
Jorge Aguilar-Sanchez
Rose Brougham
Virginie Cassidy
Dorian Dorado
Omar Granados
Shelley Hay
Heather Linville
Audie Olson

Distinguished Lecturer
Francine Klein

Senior Lecturer
Elise Denlinger

Lecturer
Natalia Roberts
Hongying Xu

Associate Lecturer
Laurence Couturier
Matthew Field
Michelle Pinzl

Administrative Support
Judith King

Majors
• French major - BA (p. 149)
• French major with business concentration - BA (p. 151)
• French education major (early childhood-adolescence or middle childhood-early adolescence certification) - BS (p. 153)
• German studies major - BA (p. 154)
• German studies major with business concentration - BA (p. 156)
• German education major (early childhood-adolescence or middle childhood-early adolescence certification) - BS (p. 158)
• Spanish major - BA (p. 159)
• Spanish major with business concentration - BA (p. 161)
• Spanish education major (early childhood-adolescence or middle childhood-early adolescence certification) - BS (p. 163)

Minors
• Chinese studies minor (p. 165)
• French minor (p. 165)
• French education minor (early adolescence-adolescence certification) (p. 165)
• French education minor (middle childhood-early adolescence certification) (p. 166)
• German studies minor (p. 167)
• German studies education minor (early adolescence-adolescence certification) (p. 167)
• German studies education minor (middle childhood - early adolescence certification) (p. 167)
• Spanish minor (p. 168)
• Spanish education minor (early adolescence-adolescence certification) (p. 168)
• Spanish education minor (middle childhood - early adolescence certification) (p. 169)
• Teaching English to speakers of other languages minor (p. 170)

Certificates
• French studies certificate (p. 171)
• Russian studies certificate (p. 172)

Honors
• Alvida Ahlstrom honors program (p. 172)

French Major - Bachelor of Arts (BA)

Major requirements
(All colleges excluding teacher certification programs)

30 credits

Select 30 credits above FRE 202 including the following:

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tr>
<td>FRE 303</td>
<td>Advanced French I</td>
<td>3</td>
</tr>
<tr>
<td>FRE 304</td>
<td>Advanced French II</td>
<td>3</td>
</tr>
<tr>
<td>FRE 305</td>
<td>An Introduction to Literature in French</td>
<td>3</td>
</tr>
<tr>
<td>FRE 320</td>
<td>French Civilization to the Revolution</td>
<td>3</td>
</tr>
<tr>
<td>FRE 331</td>
<td>French Phonetics</td>
<td>3</td>
</tr>
<tr>
<td>FRE 430</td>
<td>Advanced French Syntax and Stylistics</td>
<td>3</td>
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</table>

Select six credits of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 220</td>
<td>France and the Francophone World or FRE 325</td>
<td>6</td>
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<tr>
<td></td>
<td>Modern and Contemporay France</td>
<td></td>
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<tr>
<td>FRE 351</td>
<td>Films in French</td>
<td></td>
</tr>
<tr>
<td>FRE 403</td>
<td>Studies in French/Francophone Literature</td>
<td></td>
</tr>
<tr>
<td>FRE 404</td>
<td>French Literature: Theatre</td>
<td></td>
</tr>
<tr>
<td>FRE 405</td>
<td>French Literature: Prose</td>
<td></td>
</tr>
<tr>
<td>FRE 406</td>
<td>French Literature: Poetry</td>
<td></td>
</tr>
<tr>
<td>FRE 407</td>
<td>African and Caribbean Literature in French</td>
<td></td>
</tr>
</tbody>
</table>

Select six credits from any of the courses not used in the above category plus:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 315</td>
<td>Business French</td>
</tr>
<tr>
<td>FRE 321</td>
<td>Studies in Francophone Civilizations</td>
</tr>
<tr>
<td>FRE 326</td>
<td>Current Events</td>
</tr>
</tbody>
</table>
A. Language track

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 450</td>
<td>National/International Intern Program</td>
</tr>
<tr>
<td>FRE 491</td>
<td>Films and Literature</td>
</tr>
<tr>
<td>or ENG 331</td>
<td>Introduction to Linguistics</td>
</tr>
<tr>
<td>FRE 495</td>
<td>Honors Seminar in French</td>
</tr>
<tr>
<td>FRE 498</td>
<td>Independent Study</td>
</tr>
<tr>
<td>FRE 499</td>
<td>Independent Study</td>
</tr>
</tbody>
</table>

**Total Credits** 30

1. Either course may count as an elective, but not both.

**Degree requirements**

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 150)
- Baccalaureate degree requirements (p. 150)

**CLS Bachelor of Arts core requirements**

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2).

**Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:**

**A. Language track**

1. **Native speakers of English** complete:
   - Select one of the following:
     - CHI 202 Intermediate Chinese II
     - FRE 202 Intermediate French II
     - GER 202 Intermediate German II
     - RUS 202 Intermediate Russian II

2. **Non-native speakers of English:**
   - Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
   - Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
   - Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

**B. Humanities track**

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

**C. Fine arts track**

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

**In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:**

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

**Baccalaureate degrees**

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or
colleges. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)

4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.

5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).

6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32)).

7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

French Major with Business Concentration - Bachelor of Arts (BA)

Major requirements

(All colleges, excluding teacher certification programs)

54-57 credits

Select 30 credits above FRE 202 including the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 303</td>
<td>Advanced French I</td>
<td>3</td>
</tr>
<tr>
<td>FRE 304</td>
<td>Advanced French II</td>
<td>3</td>
</tr>
<tr>
<td>FRE 305</td>
<td>An Introduction to Literature in French</td>
<td>3</td>
</tr>
<tr>
<td>FRE 315</td>
<td>Business French</td>
<td>3</td>
</tr>
<tr>
<td>FRE 320</td>
<td>French Civilization to the Revolution</td>
<td>3</td>
</tr>
<tr>
<td>FRE 331</td>
<td>French Phonetics</td>
<td>3</td>
</tr>
<tr>
<td>FRE 430</td>
<td>Advanced French Syntax and Stylistics</td>
<td>3</td>
</tr>
</tbody>
</table>

Select three credits of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 325</td>
<td>Modern and Contemporary France</td>
</tr>
<tr>
<td>or FRE 220</td>
<td>France and the Francophone World</td>
</tr>
<tr>
<td>FRE 351</td>
<td>Films in French</td>
</tr>
<tr>
<td>FRE 403</td>
<td>Studies in French/Francophone Literature</td>
</tr>
<tr>
<td>FRE 404</td>
<td>French Literature: Theatre</td>
</tr>
<tr>
<td>FRE 405</td>
<td>French Literature: Prose</td>
</tr>
<tr>
<td>FRE 406</td>
<td>French Literature: Poetry</td>
</tr>
<tr>
<td>FRE 407</td>
<td>African and Caribbean Literature in French</td>
</tr>
</tbody>
</table>

Select two electives from any course not used in the above category: 6

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 326</td>
<td>Current Events</td>
</tr>
<tr>
<td>FRE 450</td>
<td>National/International Intern Program</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 491</td>
<td>Films and Literature</td>
</tr>
<tr>
<td>or ENG 331</td>
<td>Introduction to Linguistics</td>
</tr>
<tr>
<td>FRE 498</td>
<td>Independent Study</td>
</tr>
<tr>
<td>FRE 499</td>
<td>Independent Study</td>
</tr>
</tbody>
</table>

Total Credits 30

1 May count as an elective, but not both.

Business requirements (24-27 credits)

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 235</td>
<td>Survey of Accounting</td>
</tr>
<tr>
<td>ACC 221</td>
<td>Accounting Principles I</td>
</tr>
<tr>
<td>&amp; ACC 222</td>
<td>Accounting Principles II</td>
</tr>
<tr>
<td>ECO 110</td>
<td>Microeconomics and Public Policy</td>
</tr>
<tr>
<td>ECO 120</td>
<td>Global Macroeconomics</td>
</tr>
<tr>
<td>ECO 340</td>
<td>Introduction to International Economics</td>
</tr>
<tr>
<td>MKT 309</td>
<td>Principles of Marketing</td>
</tr>
<tr>
<td>MKT 341</td>
<td>International Marketing</td>
</tr>
<tr>
<td>MGT 308</td>
<td>Behavior and Theory in Organizations</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 311</td>
<td>Comparative Economic Systems</td>
</tr>
<tr>
<td>MGT 430</td>
<td>Comparative Management Systems</td>
</tr>
<tr>
<td>FIN 355</td>
<td>Principles of Financial Management</td>
</tr>
</tbody>
</table>

Recommended courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 101</td>
<td>Introduction to Computing</td>
</tr>
<tr>
<td>or CT 100</td>
<td>Introduction to Computational Thinking</td>
</tr>
<tr>
<td>ECO 375</td>
<td>Economic Development</td>
</tr>
<tr>
<td>MTH 145</td>
<td>Elementary Statistics</td>
</tr>
<tr>
<td>MTH 175</td>
<td>Applied Calculus</td>
</tr>
<tr>
<td>FIN 440</td>
<td>Multinational Financial Management</td>
</tr>
</tbody>
</table>

Two courses not chosen in the second group.

Total Credits 24-27

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 151)
- Baccalaureate degree requirements (p. 152)

CLS Bachelor of Arts core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.

5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.

6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics-Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track

1. Native speakers of English complete:
   Select one of the following:
   - CHI 202 Intermediate Chinese II
   - FRE 202 Intermediate French II
   - GER 202 Intermediate German II
   - RUS 202 Intermediate Russian II
   - SPA 202 Intermediate Spanish II
   - MLG 202 World Languages: Intermediate II
   - MLG 204 Heritage Language: Intermediate
   - MLG 304 Heritage Language: Advanced

   Non-native speakers of English: score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university's English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations;)
   and
   2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

B. Humanities track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
   2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
   3. One additional course in social sciences or fine arts.

C. Fine arts track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
   2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and

3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA.1 At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA1 in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.
French Education Major (EC-A and MC-EA Certification) - Bachelor of Science (BS)

Major requirements
Admission requirements to EC-A and MC-EA teacher certification programs (p. 401)

(Teacher certification programs: early childhood-adolescence certification and middle childhood-early adolescence certification)

45 credits minimum for EC-A certification; 33 credits minimum for MC-EA certification.

Students majoring in French education complete the French education core requirements and one of two certification tracks (see below). All French education majors must also complete study abroad, proficiency, and student teaching requirements.

Core requirements:

Bridge course:
FRE 303 Advanced French I 3

300 level courses:
Language:
FRE 304 Advanced French II 3
FRE 331 French Phonetikks 3

Culture/civilization:
FRE 320 French Civilization to the Revolution 3
FRE 331 Studies in Francophone Civilizations 3

Literature:
FRE 305 An Introduction to Literature in French 3

Total Credits 15

Choose one of the two certification tracks below:

Early Childhood-Adolescence Certification track (30 credits)

400 level coursework:
Language:
FRE 430 Advanced French Syntax and Stylistics (must be completed at UW-L) 3

Culture/civilization:
Study abroad approved credits 3

Literature:
Select three credits from (may be taken abroad): 3
FRE 403 Studies in French/Francophone Literature
FRE 404 French Literature: Theatre
FRE 405 French Literature: Prose
FRE 406 French Literature: Poetry
FRE 407 African and Caribbean Literature in French

Electives:
Select nine credits of electives: 9
FRE 220 France and the Francophone World
FRE 315 Business French
FRE 325 Modern and Contemporary France

Middle Childhood-Early Adolescence Certification track (18 credits)

Language:
FRE 320 Advanced French Syntax and Stylistics 3

Civilization:
FRE 320 French Civilization to the Revolution 3
FRE 321 Studies in Francophone Civilizations 3
FRE 326 Current Events 1

or study abroad approved credits

French electives:
Five credits of any French course at 300 or 400 level 5

Language education:
MLG 306 Introduction to Second Language Acquisition 3

Methods:
MLG 473 Teaching World Languages: From Early Childhood to Early Adolescence 3
MLG 474 Teaching World Languages: From Early Adolescence to Adolescence 3

Total Credits 18

Study abroad requirement:
1. All students should consult with their advisor in French regarding specific requirements for study abroad.
2. All French education majors are required to complete an approved foreign language immersion experience of at least 14 weeks (one semester); MC-EA students should consult with a French advisor when planning this experience;
3. French education majors are required to complete the 300 level core of courses before studying abroad;
4. Up to 15 credits of the 400 level and the electives categories may be taken abroad with faculty approval;
5. French education majors must take INS 251 during their study abroad program;
must accomplish the following:

Candidates for the Bachelor of Arts or the Bachelor of Science degrees
Baccalaureate degrees

Students have access to the AR.

the Student Information System (WINGS) Student Center. All enrolled

requirements in order to qualify for a degree. The easiest way to track all

All students must complete the general education, college core (waived

Degree requirements

All students must complete the general education, college core (waived

Proficiency requirements:

Prior to student teaching, teacher candidates are required to

1. Demonstrate proficiency with an "Intermediate High" rating on the

American Council Teaching of Foreign Languages Oral Proficiency
test (ACTFL-OPIc) and

2. Demonstrate proficiency with an "Intermediate High" rating on

the American Council Teaching of Foreign Languages Written

Proficiency test in French (ACTFL-WPT internet).

Student teaching and other teacher education requirements:

Other teacher education and pedagogy courses, including appropriate

field experiences and student teaching at the appropriate levels, are

required and listed with the School of Education (p. 397).

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees

must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum

   Committee for the degree desired in the respective school or

   college. (No substitutions for graduation may be made in course

   requirements for a major or minor after the fourth week of the last

   semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00

   cumulative GPA. \(^1\) At least 40 credits must be earned in 300/400

   (senior college) level courses. Courses earned at the 100/200 level

   that transferred to UW-L as 300/400 level courses do not apply to

   this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00

   GPA \(^1\) in each major and minor (and concentration or emphasis, if

   selected).
6. A minimum of 30 semester credits in residence at UW-L is required

   for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS

   Student Center as soon as the student has registered for his or her

   final semester or summer term in residence. December and winter

   intersession graduates should file by May 1. May and summer

   graduates should file by December 1.

1 Grade point average requirements for some programs will be

   considerably higher than 2.00. Re-entering students may be required

   to earn credits in excess of the 120 needed for graduation in any

   curriculum in order to replace credits earned in courses in which the

   content has changed substantially in recent years. Each case will be

   judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and

recorded within 30 days after the official ending date of each term.

German Studies Major - Bachelor of Arts (BA)

Major requirements

(All colleges excluding teacher certification programs)

33 credits excluding GER 202 Intermediate German II (4 cr.)

Select one of the following in literature: \(^3\) 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GER 301</td>
<td>An Introduction to German Literature</td>
</tr>
<tr>
<td>GER 403</td>
<td>Studies of German Literature</td>
</tr>
<tr>
<td>GER 406</td>
<td>Contemporary German Literature</td>
</tr>
</tbody>
</table>

Select one of the following in civilization: \(^3\) 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GER 320</td>
<td>German Civilization: 1870-Reunification</td>
</tr>
<tr>
<td>GER 321</td>
<td>German Civilization: 1899-Present</td>
</tr>
</tbody>
</table>

Select two of the following in German skills development: \(^6\) 6

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GER 300</td>
<td>Advanced German</td>
</tr>
<tr>
<td>GER 311</td>
<td>German Conversation and Composition</td>
</tr>
<tr>
<td>GER 313</td>
<td>German Grammar and Composition</td>
</tr>
<tr>
<td>GER 330</td>
<td>German Conversation and Phonetics</td>
</tr>
</tbody>
</table>

Select 15 credits of electives in German at the 300/400 level: \(^1\) 15

German studies breadth: select two approved courses in art,

business, history, literature, politics, music, religion, sociology, and

other disciplines in which a significant portion of the course relates to

one or more countries in the German-speaking world. \(^2\) 6

Additional courses that satisfy the German studies breadth

requirement include:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 304</td>
<td>Geography of Europe</td>
</tr>
<tr>
<td>HIS 314</td>
<td>The Holocaust</td>
</tr>
<tr>
<td>HIS 323</td>
<td>World War II</td>
</tr>
<tr>
<td>HIS 346</td>
<td>History of the Middle Ages</td>
</tr>
<tr>
<td>HIS 348</td>
<td>Renaissance and Reformation</td>
</tr>
<tr>
<td>HIS 352</td>
<td>History of Modern Germany</td>
</tr>
<tr>
<td>POL 338</td>
<td>European Government and Politics</td>
</tr>
<tr>
<td>POL 355</td>
<td>Political Ideologies</td>
</tr>
<tr>
<td>ENG 331</td>
<td>Introduction to Linguistics</td>
</tr>
<tr>
<td>ENG 356</td>
<td>European Literature in Translation</td>
</tr>
</tbody>
</table>

Total Credits 33

1 excluding GER 398 and GER 399.

2 These courses may be taught in German or English. GER 398 and

GER 399 are highly recommended to fulfill the German studies breadth requirement.

Students must complete an approved work or study experience in a

German-speaking country.
Degree requirements

All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 155)
- Baccalaureate degree requirements (p. 155)

CLS Bachelor of Arts core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track

1. Native speakers of English complete:
   Select one of the following:
   - CHI 202 Intermediate Chinese II
   - FRE 202 Intermediate French II
   - GER 202 Intermediate German II
   - RUS 202 Intermediate Russian II
   - SPA 202 Intermediate Spanish II
   - MLG 202 World Languages: Intermediate II
   - MLG 204 Heritage Language: Intermediate
   - MLG 304 Heritage Language: Advanced

2. Non-native speakers of English: score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university’s English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations); and
3. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

B. Humanities track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

C. Fine arts track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)

7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

German Studies Major with Business Concentration - Bachelor of Arts (BA)

Major requirements
(All colleges excluding teacher certification programs)

57 credits

Select 33 credits above GER 202 including the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GER 315</td>
<td>Business German</td>
</tr>
</tbody>
</table>

Select one of the following in literature:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GER 301</td>
<td>An Introduction to German Literature</td>
</tr>
<tr>
<td>GER 403</td>
<td>Studies of German Literature</td>
</tr>
<tr>
<td>GER 406</td>
<td>Contemporary German Literature</td>
</tr>
</tbody>
</table>

Select one of the following in civilization:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GER 320</td>
<td>German Civilization: 1870-Reunification</td>
</tr>
<tr>
<td>GER 321</td>
<td>German Civilization: 1989-Present</td>
</tr>
</tbody>
</table>

Select two of the following in German skills development:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GER 300</td>
<td>Advanced German</td>
</tr>
<tr>
<td>GER 311</td>
<td>German Conversation and Composition</td>
</tr>
<tr>
<td>GER 313</td>
<td>German Grammar and Composition</td>
</tr>
<tr>
<td>GER 330</td>
<td>German Conversation and Phonetics</td>
</tr>
</tbody>
</table>

Select 12 credits of electives in German at the 300/400 level: 1

German studies breadth: select two courses in art, business, history, literature, politics, music, religion, sociology, and other disciplines in which a significant portion of the course relates to one or more countries in the German-speaking world. 2

Additional courses that satisfy this requirement include:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 304</td>
<td>Geography of Europe</td>
</tr>
<tr>
<td>HIS 314</td>
<td>The Holocaust</td>
</tr>
<tr>
<td>HIS 323</td>
<td>World War II</td>
</tr>
<tr>
<td>HIS 346</td>
<td>History of the Middle Ages</td>
</tr>
<tr>
<td>HIS 348</td>
<td>Renaissance and Reformation</td>
</tr>
<tr>
<td>HIS 352</td>
<td>History of Modern Germany</td>
</tr>
<tr>
<td>POL 338</td>
<td>European Government and Politics</td>
</tr>
<tr>
<td>POL 355</td>
<td>Political Ideologies</td>
</tr>
<tr>
<td>ENG 356</td>
<td>European Literature in Translation</td>
</tr>
</tbody>
</table>

Total Credits 33

1 excluding GER 398 and GER 399.

2 These courses may be taught in German or English. GER 398 and GER 399 are highly recommended to fulfill the German studies breadth requirement.

Students must complete an approved work or study experience in a German-speaking country.

Business requirements (24-27 credits)

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 235</td>
<td>Survey of Accounting</td>
</tr>
<tr>
<td>ACC 221</td>
<td>Accounting Principles I</td>
</tr>
<tr>
<td>&amp; ACC 222</td>
<td>Accounting Principles II</td>
</tr>
<tr>
<td>ECO 110</td>
<td>Microeconomics and Public Policy</td>
</tr>
<tr>
<td>ECO 120</td>
<td>Global Macroeconomics</td>
</tr>
<tr>
<td>ECO 340</td>
<td>Introduction to International Economics</td>
</tr>
<tr>
<td>MKT 309</td>
<td>Principles of Marketing</td>
</tr>
<tr>
<td>MKT 341</td>
<td>International Marketing</td>
</tr>
<tr>
<td>MGT 308</td>
<td>Behavior and Theory in Organizations</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 311</td>
<td>Comparative Economic Systems</td>
</tr>
<tr>
<td>MGT 430</td>
<td>Comparative Management Systems</td>
</tr>
<tr>
<td>FIN 355</td>
<td>Principles of Financial Management</td>
</tr>
</tbody>
</table>

Recommended courses: 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 101</td>
<td>Introduction to Computing</td>
</tr>
<tr>
<td>or CT 100</td>
<td>Introduction to Computational Thinking</td>
</tr>
<tr>
<td>ECO 375</td>
<td>Economic Development</td>
</tr>
<tr>
<td>MTH 145</td>
<td>Elementary Statistics</td>
</tr>
<tr>
<td>MTH 175</td>
<td>Applied Calculus</td>
</tr>
<tr>
<td>FIN 440</td>
<td>Multinational Financial Management</td>
</tr>
</tbody>
</table>

Total Credits 24-27

1 Recommended courses also include the two courses not chosen from ECO 311, FIN 355, and MGT 430.

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• College core (p. 156)
• Baccalaureate degree requirements (p. 157)

CLS Bachelor of Arts core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2). Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

**A. Language track**

1. Native speakers of English complete:
   - Select one of the following:
     - CHI 202 Intermediate Chinese II
     - FRE 202 Intermediate French II
     - GER 202 Intermediate German II
     - RUS 202 Intermediate Russian II
     - SPA 202 Intermediate Spanish II
     - MLG 202 World Languages: Intermediate II
     - MLG 204 Heritage Language: Intermediate
     - MLG 304 Heritage Language: Advanced

   Non-native speakers of English: score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university’s English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations); and
2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

**B. Humanities track**

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

**C. Fine arts track**

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

**Baccalaureate degrees**

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.
German Education Major (EC-A or MC-EA Certification) - Bachelor of Science (BS)

**Major requirements**

Admission requirements to EC-A (p. 401) and (p. 401) MC-EA (p. 401) teacher certification programs (p. 401)

(Teacher certification programs: early childhood-adolescence certification and middle childhood-early adolescence certification)

45 credits minimum for EC-A certification; 33 credits minimum for MC-EA certification.

Students majoring in German education complete the German education core requirements and one of two certification tracks (see below). All German education majors must also complete study abroad, proficiency, and student teaching requirements.

**Core requirements:**

<table>
<thead>
<tr>
<th>Bridge course:</th>
<th>GER 300</th>
<th>Advanced German</th>
<th>3</th>
</tr>
</thead>
</table>

**300 level courses:**

<table>
<thead>
<tr>
<th>Language:</th>
<th>Select six credits of the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td>GER 311</td>
<td>German Conversation and Composition</td>
</tr>
<tr>
<td>GER 313</td>
<td>German Grammar and Composition</td>
</tr>
<tr>
<td>GER 330</td>
<td>German Conversation and Phonetics</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Culture/civilization:</th>
<th>GER 320</th>
<th>German Civilization: 1870-Reunification</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>or GER 321</td>
<td>GER 321</td>
<td>German Civilization: 1989-Present</td>
<td>3</td>
</tr>
</tbody>
</table>

| Literature: | GER 301 | An Introduction to German Literature | 3 |

Total Credits 15

**Choose one of the two certification tracks below:**

### Early Childhood-Adolescence Certification track (30 credits)

<table>
<thead>
<tr>
<th>400 level coursework:</th>
<th>Language:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Study abroad approved credits</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Culture/civilization:</th>
<th>Study abroad approved credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Study abroad approved credits</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Literature:</th>
<th>Select three credits from:</th>
</tr>
</thead>
<tbody>
<tr>
<td>GER 403</td>
<td>Studies of German Literature</td>
</tr>
<tr>
<td>GER 406</td>
<td>Contemporary German Literature</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electives:</th>
<th>Study abroad approved credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select nine credits of electives:</td>
<td>9</td>
</tr>
</tbody>
</table>

| German electives at the 300/400 level (excluding GER 398 and GER 399) | 9 |

<table>
<thead>
<tr>
<th>Language education:</th>
<th>Study abroad approved credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Study abroad approved credits</td>
<td>3</td>
</tr>
</tbody>
</table>

### Middle Childhood-Early Adolescence Certification track (18 credits)

<table>
<thead>
<tr>
<th>Civilization:</th>
<th>GER 320</th>
<th>German Civilization: 1870-Reunification</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>or GER 321</td>
<td>GER 321</td>
<td>German Civilization: 1989-Present</td>
<td>3</td>
</tr>
<tr>
<td>GER 326</td>
<td>Current Events</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

| German electives: | Any German course at 300 or 400 level (excluding GER 398 and GER 399) | 8 |

<table>
<thead>
<tr>
<th>Language education:</th>
<th>MLG 306</th>
<th>Introduction to Second Language Acquisition</th>
<th>3</th>
</tr>
</thead>
</table>

### Study abroad requirement:

1. All students should consult with their advisor in German regarding specific requirements for study abroad.
2. All German education majors are required to complete an approved foreign language immersion experience of at least 14 weeks (one semester); **MC-EA students** should consult with a German advisor when planning this experience;
3. German education majors are required to complete the 300 level bridge course before studying abroad;
4. Up to 15 credits of the 400 level and the electives categories may be taken abroad with faculty approval;
5. German education majors must take INS 251 during their study abroad program;

### Proficiency requirements:

Prior to student teaching, teacher candidates are required to

1. Demonstrate proficiency with an "Intermediate High" rating on the American Council Teaching of Foreign Languages Oral Proficiency test (ACTFL-OPIc) and
2. Demonstrate proficiency with an "Intermediate High" rating on the American Council Teaching of Foreign Languages Written Proficiency test in German (ACTFL-WPT internet).

### Student teaching and other teacher education requirements:

Other teacher education and pedagogy courses, including appropriate field experiences and student teaching at the appropriate levels, are required and listed with the School of Education (p. 397).

### Degree requirements

All students must complete the general education, college core (waived for teacher certification programs), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all...
of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- Baccalaureate degree requirements (p. 159)

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA.\(^1\) At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA,\(^1\) in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

\(^1\) Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Spanish Major - Bachelor of Arts (BA)

Spanish advising

Students should consult with an advisor in the Department of Modern Languages regarding their individual plan of study. Students planning to pursue graduate studies in Spanish need to be aware of special requirements.

Spanish policy of transfer of study abroad credits

The following policy applies to all Spanish credits taken abroad. Students may transfer the following credits per term from study abroad experiences:

- Winter term: 4 weeks: 4-5 credits
- Summer term: 4 weeks: 4-5 credits
  6 weeks: 6-8 credits
  8 weeks: 8-10 credits
  10 weeks: 8-10 credits
- Fall/Spring semester term: 12-16 weeks: 12 credits (Exceptions may be allowed for partner programs.)

In the case of a one year study abroad, there is a maximum of 16 credits which students majoring in Spanish can take abroad and apply to the major (nine credits applicable for minors). Credits taken in excess of that can be transferred to UW-L as university elective credit.

Major requirements

(All colleges excluding teacher certification programs)

29 credits above SPA 202

Category I: core course requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 300</td>
<td>Oral Proficiency Through Grammar Review</td>
<td>4</td>
</tr>
<tr>
<td>SPA 305</td>
<td>Introduction to Hispanic Literature</td>
<td>3</td>
</tr>
<tr>
<td>SPA 320</td>
<td>Spanish Civilization</td>
<td>3</td>
</tr>
<tr>
<td>or SPA 321</td>
<td>Spanish American Civilization</td>
<td></td>
</tr>
<tr>
<td>SPA 330</td>
<td>Advanced Grammar and Syntax</td>
<td>3</td>
</tr>
<tr>
<td>SPA 331</td>
<td>Spanish Phonetics</td>
<td>3</td>
</tr>
</tbody>
</table>

Category II: current events

Select one credit of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 326</td>
<td>Current Events</td>
<td>1</td>
</tr>
<tr>
<td>SPA 327</td>
<td>Grammar Review</td>
<td></td>
</tr>
<tr>
<td>SPA 328</td>
<td>Reading for Language Proficiency</td>
<td></td>
</tr>
<tr>
<td>SPA 329</td>
<td>Reporting and Publishing News in Spanish</td>
<td></td>
</tr>
<tr>
<td>SPA 427</td>
<td>Spanish Grammar for Teachers</td>
<td></td>
</tr>
</tbody>
</table>

Category III: SPA 400 level literature

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 402</td>
<td>Spanish Literature II</td>
<td></td>
</tr>
<tr>
<td>SPA 403</td>
<td>Studies in Hispanic Literature</td>
<td></td>
</tr>
<tr>
<td>SPA 420</td>
<td>Latin American Literature I</td>
<td></td>
</tr>
<tr>
<td>SPA 421</td>
<td>Latin American Literature II</td>
<td></td>
</tr>
<tr>
<td>SPA 425</td>
<td>Latino Literature of the United States</td>
<td></td>
</tr>
<tr>
<td>SPA 440</td>
<td>The Spanish Novel</td>
<td></td>
</tr>
<tr>
<td>SPA 441</td>
<td>The Spanish Theater</td>
<td></td>
</tr>
<tr>
<td>SPA 495</td>
<td>Senior Seminar in Hispanic Studies</td>
<td></td>
</tr>
</tbody>
</table>

Category IV: electives

Select three credits of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 320</td>
<td>Spanish Civilization (whichever not taken in Category I)</td>
<td></td>
</tr>
<tr>
<td>or SPA 321</td>
<td>Spanish American Civilization</td>
<td></td>
</tr>
<tr>
<td>SPA 351</td>
<td>Films in Spanish</td>
<td></td>
</tr>
<tr>
<td>SPA 390</td>
<td>Topics in Hispanic Cultures</td>
<td></td>
</tr>
<tr>
<td>SPA 410</td>
<td>Advanced Conversation</td>
<td></td>
</tr>
</tbody>
</table>

Or an additional SPA 400 level literature course from Category III

Category V: remaining electives

Select six credits of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 320</td>
<td>Spanish Civilization (whichever not taken in Category I)</td>
<td></td>
</tr>
<tr>
<td>or SPA 321</td>
<td>Spanish American Civilization</td>
<td></td>
</tr>
<tr>
<td>SPA 351</td>
<td>Films in Spanish</td>
<td></td>
</tr>
<tr>
<td>SPA 390</td>
<td>Topics in Hispanic Cultures</td>
<td></td>
</tr>
<tr>
<td>SPA 410</td>
<td>Advanced Conversation</td>
<td></td>
</tr>
</tbody>
</table>

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.
SPA 308  Cultures and Civilizations of the Spanish Speaking World
SPA 315  Business Spanish
SPA 320  Spanish Civilization (if not taken in Category I or IV)
or SPA 321  Spanish American Civilization
SPA 351  Films in Spanish
SPA 390  Topics in Hispanic Cultures
SPA 410  Advanced Conversation
SPA 450  National/International Intern Program
SPA 460  Introduction to Hispanic Linguistics
SPA 470  Introduction to Spanish Translation
SPA 471  Introduction to Principles of Spanish Interpreting
SPA 491  Films and Literature
SPA 498  Independent Study
MLG 491  Films and Literature
Or an additional SPA 400 level literature course from Category III

Total Credits  29

Degree requirements
All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 160)
- Baccalaureate degree requirements (p. 161)

CLS Bachelor of Arts core requirements
The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track

1. Native speakers of English complete:
   Select one of the following:
   CHI 202  Intermediate Chinese II
   FRE 202  Intermediate French II
   GER 202  Intermediate German II
   RUS 202  Intermediate Russian II
   SPA 202  Intermediate Spanish II
   MLG 202  World Languages: Intermediate II
   MLG 204  Heritage Language: Intermediate
   MLG 304  Heritage Language: Advanced

2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

B. Humanities track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

C. Fine arts track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any
college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

**Baccalaureate degrees**

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

**Spanish Major with Business Concentration - Bachelor of Arts (BA)**

**Spanish advising**

Students should consult with an advisor in the Department of Modern Languages regarding their individual plan of study. Students planning to pursue graduate studies in Spanish need to be aware of special requirements.

**Spanish policy of transfer of study abroad credits**

The following policy applies to all Spanish credits taken abroad. Students may transfer the following credits per term from study abroad experiences:

Winter term:
4 weeks: 4-5 credits

Summer term:
4 weeks: 4-5 credits
6 weeks: 6-8 credits
8 weeks: 8-10 credits
10 weeks: 8-10 credits

Fall/Spring semester term:
12-16 weeks: 12 credits (Exceptions may be allowed for partner programs.)

In the case of one year study abroad, there is a maximum of 16 credits which students majoring in Spanish can take abroad and apply to the major (nine credits applicable for minors). Credits taken in excess of that can be transferred to UW-L as university elective credit.

**Major requirements**

(All colleges, excluding Teacher certification programs)


**Category I: core course requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 300</td>
<td>Oral Proficiency Through Grammar Review</td>
<td>4</td>
</tr>
<tr>
<td>SPA 305</td>
<td>Introduction to Hispanic Literature</td>
<td>3</td>
</tr>
<tr>
<td>SPA 306</td>
<td>Spanish for the Health Professions</td>
<td>3</td>
</tr>
<tr>
<td>SPA 308</td>
<td>Cultures and Civilizations of the Spanish Speaking World</td>
<td>3</td>
</tr>
<tr>
<td>SPA 315</td>
<td>Business Spanish</td>
<td>3</td>
</tr>
<tr>
<td>SPA 321</td>
<td>Spanish American Civilization</td>
<td>3</td>
</tr>
<tr>
<td>SPA 326</td>
<td>Current Events</td>
<td>1</td>
</tr>
<tr>
<td>SPA 331</td>
<td>Spanish Phonetics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Category II: SPA 400 level literature**

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 402</td>
<td>Spanish Literature II</td>
</tr>
<tr>
<td>SPA 403</td>
<td>Studies in Hispanic Literature</td>
</tr>
<tr>
<td>SPA 420</td>
<td>Latin American Literature I</td>
</tr>
<tr>
<td>SPA 421</td>
<td>Latin American Literature II</td>
</tr>
<tr>
<td>SPA 425</td>
<td>Latino Literature of the United States</td>
</tr>
<tr>
<td>SPA 440</td>
<td>The Spanish Novel</td>
</tr>
<tr>
<td>SPA 441</td>
<td>The Spanish Theater</td>
</tr>
<tr>
<td>SPA 495</td>
<td>Senior Seminar in Hispanic Studies</td>
</tr>
</tbody>
</table>

**Category III: electives**

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 320</td>
<td>Spanish Civilization</td>
</tr>
<tr>
<td>SPA 330</td>
<td>Advanced Grammar and Syntax</td>
</tr>
<tr>
<td>SPA 351</td>
<td>Films in Spanish</td>
</tr>
<tr>
<td>SPA 390</td>
<td>Topics in Hispanic Cultures</td>
</tr>
<tr>
<td>SPA 410</td>
<td>Advanced Conversation</td>
</tr>
<tr>
<td>SPA 450</td>
<td>National/International Intern Program</td>
</tr>
<tr>
<td>SPA 498</td>
<td>Independent Study</td>
</tr>
<tr>
<td>SPA 499</td>
<td>Independent Study</td>
</tr>
<tr>
<td>ENG 331</td>
<td>Introduction to Linguistics</td>
</tr>
</tbody>
</table>

Or an additional SPA 400 level literature course from Category II

**Business requirements**

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 235</td>
<td>Survey of Accounting</td>
<td>3-6</td>
</tr>
<tr>
<td>ACC 221</td>
<td>Accounting Principles I</td>
<td></td>
</tr>
<tr>
<td>&amp; ACC 222</td>
<td>Accounting Principles II</td>
<td></td>
</tr>
</tbody>
</table>
ECO 110 Microeconomics and Public Policy 3
ECO 120 Global Macroeconomics 3
ECO 340 Introduction to International Economics 3
MKT 309 Principles of Marketing 3
MKT 341 International Marketing 3
MGT 308 Behavior and Theory in Organizations 3

Select one of the following:

ECO 311 Comparative Economic Systems 3
MGT 430 Comparative Management Systems 3
FIN 355 Principles of Financial Management 3

Total Credits 53

Recommended courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 101</td>
<td>Introduction to Computing</td>
<td>4</td>
</tr>
<tr>
<td>or CT 100</td>
<td>Introduction to Computational Thinking</td>
<td></td>
</tr>
<tr>
<td>ECO 375</td>
<td>Economic Development</td>
<td>3</td>
</tr>
<tr>
<td>MTH 145</td>
<td>Elementary Statistics</td>
<td>4</td>
</tr>
<tr>
<td>MTH 175</td>
<td>Applied Calculus</td>
<td>4</td>
</tr>
<tr>
<td>FIN 440</td>
<td>Multinational Financial Management</td>
<td>3</td>
</tr>
</tbody>
</table>

The two courses not chosen from the business requirements' second group (ECO 311, MGT 430, or FIN 355) 6

Degree requirements

All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 162)
- Baccalaureate degree requirements (p. 163)

CLS Bachelor of Arts core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track

1. Native speakers of English complete:
   Select one of the following:
   - CHI 202 Intermediate Chinese II
   - FRE 202 Intermediate French II
   - GER 202 Intermediate German II
   - RUS 202 Intermediate Russian II
   - SPA 202 Intermediate Spanish II
   - MLG 202 World Languages: Intermediate II
   - MLG 204 Heritage Language: Intermediate
   - MLG 304 Heritage Language: Advanced

Non-native speakers of English: score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university’s English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute for eligibility and regulations); and

2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

B. Humanities track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and

2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and

3. One additional course in social sciences or fine arts.

C. Fine arts track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and

2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and

3. One additional course in social sciences or humanities.

In addition to the other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or

2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Spanish Education Major (EC-A or MC-EA Certification) - Bachelor of Science (BS)

Spanish advising

Students should consult with an advisor in the Department of Modern Languages regarding their individual plan of study. Students planning to pursue graduate studies in Spanish need to be aware of special requirements.

Spanish policy of transfer of study abroad credits

The following policy applies to all Spanish credits taken abroad. Students may transfer the following credits per term from study abroad experiences:

| Winter term: | 4 weeks: 4-5 credits |
| Summer term: | 4 weeks: 4-5 credits |
|             | 6 weeks: 6-8 credits |
|             | 8 weeks: 8-10 credits |
|             | 10 weeks: 8-10 credits |
| Fall/Spring semester term: | 12-16 weeks: 12 credits (Exceptions may be allowed for partner programs.) |

In the case of one year study abroad, there is a maximum of 16 credits which students majoring in Spanish can take abroad and apply to the major (nine credits applicable for minors). Credits taken in excess of that can be transferred to UW-L as university elective credit.

Major requirements

Admission requirements to EC-A and MC-EA teacher certification programs (p. 401)

(Teacher certification programs: early childhood-adolescence certification and middle childhood-early adolescence certification)

46 credits minimum for EC-A certification; 33 credits minimum for MC-EA certification.

Students majoring in Spanish education complete the Spanish education core requirements and one of two certification tracks (see below). All Spanish education majors must also complete study abroad, proficiency, and student teaching requirements.

Bridge course:

| SPA 300 | Oral Proficiency Through Grammar Review | 4 |
| SPA 330 | Advanced Grammar and Syntax | 3 |
| SPA 331 | Spanish Phonetics | 3 |
| SPA 308 | Cultures and Civilizations of the Spanish Speaking World | 3 |
| SPA 305 | Introduction to Hispanic Literature | 3 |
| Total Credits | | 16 |

Choose one of the two certification tracks below:

Early Childhood-Adolescence Certification track (30 credits)

400 level coursework:

| Language: | |
| SPA 410 | Advanced Conversation | 3 |
| SPA 460 | Introduction to Hispanic Linguistics | 3 |
| Culture/civilization: | |
| Select three credits from: | |
| SPA 320 | Spanish Civilization | 3 |
| SPA 321 | Spanish American Civilization | |
| SPA 351 | Films in Spanish | |
SPA 390  Topics in Hispanic Cultures  
SPA 495  Senior Seminar in Hispanic Studies  
SPA 498  Independent Study  
SPA 499  Independent Study  

**Literature:**  
Select three credits from:  
- SPA 402  Spanish Literature II  
- SPA 403  Studies in Hispanic Literature  
- SPA 420  Latin American Literature I  
- SPA 421  Latin American Literature II  
- SPA 425  Latino Literature of the United States  
- SPA 440  The Spanish Novel  
- SPA 441  The Spanish Theater  
- SPA 491  Films and Literature  

**Electives:**  
Select six credits of electives:  
- SPA 306  Spanish for the Health Professions  
- SPA 315  Business Spanish  
- SPA 320  Spanish Civilization  
- SPA 321  Spanish American Civilization  
- SPA 351  Films in Spanish  
- SPA 390  Topics in Hispanic Cultures  
- SPA 402  Spanish Literature II  
- SPA 403  Studies in Hispanic Literature  
- SPA 420  Latin American Literature I  
- SPA 421  Latin American Literature II  
- SPA 425  Latino Literature of the United States  
- SPA 440  The Spanish Novel  
- SPA 441  The Spanish Theater  
- SPA 491  Films and Literature  
- SPA 495  Senior Seminar in Hispanic Studies  
- SPA 498  Independent Study  
- SPA 499  Independent Study  

or any of the above courses if not used in a previous category  

**Language education:**  
- MLG 306  Introduction to Second Language Acquisition  
- MLG 406  Language Assessment and Testing  

**Methods:**  
- MLG 473  Teaching World Languages: From Early Childhood to Early Adolescence  
- MLG 474  Teaching World Languages: From Early Adolescence to Adolescence  

**Total Credits**  
- 30  

A maximum of six credits may be applied from a Spanish faculty approved study abroad program. Courses can apply to the electives if they were not used in a previous category.

**Middle Childhood-Early Adolescence Certification track (17 credits)**  

**Civilization:**  
- SPA 320  Spanish Civilization  
- SPA 321  Spanish American Civilization  
- SPA 326  Current Events  

**Linguistics and grammar:**  
- SPA 427  Spanish Grammar for Teachers  
- SPA 460  Introduction to Hispanic Linguistics  

**Language education:**  
- MLG 306  Introduction to Second Language Acquisition  

**Methods:**  
- MLG 473  Teaching World Languages: From Early Childhood to Early Adolescence  

**Total Credits**  
- 17  

**Study abroad requirement:**  
1. All students should consult with their advisor in Spanish regarding specific requirements for study abroad.  
2. All Spanish education majors are required to complete an approved foreign language immersion experience of at least 14 weeks (one semester); **MC-EA students** should consult with a Spanish advisor when planning this experience;  
3. **EC-A students** are required to complete the 300 level core of courses before studying abroad; **MC-EA students** must take SPA 308, SPA 330, and one additional 300 level Spanish course applicable to the major before studying abroad;  
4. **EC-A students** may take up to six credits of the elective category abroad. Consult with Spanish advisor for applicability.  

**Proficiency requirements:**  
Prior to student teaching, teacher candidates are required to  
1. Demonstrate proficiency with an "Intermediate High" rating on the American Council Teaching of Foreign Languages Oral Proficiency test in Spanish (ACTFL-OPIc) and  
2. Demonstrate proficiency with an "Intermediate High" rating on the American Council Teaching of Foreign Languages Written Proficiency test in Spanish (ACTFL-WPT internet).  

**Student teaching and other teacher education requirements:**  
Other teacher education and pedagogy courses, including appropriate field experiences and student teaching at the appropriate levels, are required and listed with the School of Education (p. 397).  

**Degree requirements**  
All students must complete the general education, college core (waived for teacher certification programs), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.  

• General education (p. 50)  
• Baccalaureate degree requirements (p. 164)  

**Baccalaureate degrees**  
Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:  
1. Fulfill the general education requirements.  
2. Complete at least one ethnic studies (diversity) course.  
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course
requirements for a major or minor after the fourth week of the last semester of the senior year.)

4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.

5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).

6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)

7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

**Chinese Studies Minor**

(All colleges, excluding teacher certification programs)

<table>
<thead>
<tr>
<th>Core</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CHI 201 Intermediate Chinese I</td>
<td>4</td>
</tr>
<tr>
<td>CHI 202 Intermediate Chinese II</td>
<td>4</td>
</tr>
<tr>
<td>CHI 301 Advanced Chinese</td>
<td>3</td>
</tr>
<tr>
<td>or CHI 315 Business Chinese</td>
<td></td>
</tr>
<tr>
<td>CHI 305 Introduction to Modern Chinese Literature</td>
<td>3</td>
</tr>
<tr>
<td>or CHI 320 Introduction to Chinese Civilization</td>
<td></td>
</tr>
</tbody>
</table>

Select four credits of electives from:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CHI 398 Directed Studies</td>
<td></td>
</tr>
<tr>
<td>CHI 301 Advanced Chinese</td>
<td></td>
</tr>
<tr>
<td>or CHI 315 Business Chinese</td>
<td></td>
</tr>
<tr>
<td>CHI 305 Introduction to Modern Chinese Literature</td>
<td></td>
</tr>
<tr>
<td>or CHI 320 Introduction to Chinese Civilization</td>
<td></td>
</tr>
<tr>
<td>ENG 434 Chinese Discourse</td>
<td></td>
</tr>
<tr>
<td>HIS 327 History of Buddhism</td>
<td></td>
</tr>
<tr>
<td>HIS 334 Aspects of Chinese History</td>
<td></td>
</tr>
<tr>
<td>HIS 335 History of China</td>
<td></td>
</tr>
<tr>
<td>POL 333 Asian Government and Politics</td>
<td></td>
</tr>
<tr>
<td>POL 355 Political Ideologies</td>
<td></td>
</tr>
</tbody>
</table>

**Total Credits**: 18

May use as an elective category if not already used in the core.

**French Minor**

(All colleges)

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>18 credits above FRE 202, including:</td>
<td></td>
</tr>
<tr>
<td>FRE 303 Advanced French I</td>
<td>3</td>
</tr>
<tr>
<td>FRE 304 Advanced French II</td>
<td>3</td>
</tr>
<tr>
<td>FRE 305 An Introduction to Literature in French</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 320 French Civilization to the Revolution</td>
<td>3</td>
</tr>
<tr>
<td>FRE 325 Modern and Contemporary France</td>
<td></td>
</tr>
<tr>
<td>FRE 220 France and the Francophone World</td>
<td></td>
</tr>
<tr>
<td>FRE 331 French Phonetics</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 220 France and the Francophone World</td>
<td></td>
</tr>
<tr>
<td>FRE 315 Business French</td>
<td></td>
</tr>
<tr>
<td>FRE 320 French Civilization to the Revolution</td>
<td></td>
</tr>
<tr>
<td>FRE 325 Modern and Contemporary France (if not used in the above category)</td>
<td></td>
</tr>
<tr>
<td>FRE 321 Studies in Francophone Civilizations</td>
<td></td>
</tr>
<tr>
<td>FRE 326 Current Events</td>
<td></td>
</tr>
<tr>
<td>FRE 351 Films in French</td>
<td></td>
</tr>
<tr>
<td>FRE 403 Studies in French/Francophone Literature</td>
<td></td>
</tr>
<tr>
<td>FRE 404 French Literature: Theatre</td>
<td></td>
</tr>
<tr>
<td>FRE 405 French Literature: Prose</td>
<td></td>
</tr>
<tr>
<td>FRE 406 French Literature: Poetry</td>
<td></td>
</tr>
<tr>
<td>FRE 407 African and Caribbean Literature in French</td>
<td></td>
</tr>
<tr>
<td>FRE 430 Advanced French Syntax and Stylistics</td>
<td></td>
</tr>
<tr>
<td>FRE 450 National/International Intern Program</td>
<td></td>
</tr>
<tr>
<td>FRE 495 Honors Seminar in French</td>
<td></td>
</tr>
<tr>
<td>FRE 498 Independent Study</td>
<td></td>
</tr>
<tr>
<td>FRE 499 Independent Study</td>
<td></td>
</tr>
</tbody>
</table>

**Total Credits**: 18

May count towards the minor, but not both.

**French Education Minor (Early Adolescence-Adolescence Certification)**

(_teacher certification program: early adolescence-adolescence_)

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bridge course:</td>
<td></td>
</tr>
<tr>
<td>FRE 303 Advanced French I</td>
<td>3</td>
</tr>
<tr>
<td>FRE 304 Advanced French II</td>
<td>3</td>
</tr>
<tr>
<td>FRE 331 French Phonetics</td>
<td>3</td>
</tr>
</tbody>
</table>

**300 level courses:**

<table>
<thead>
<tr>
<th>Language:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 304 Advanced French II</td>
<td>3</td>
</tr>
<tr>
<td>FRE 331 French Phonetics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Culture/civilization:**

Select one of the following:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 220 France and the Francophone World</td>
<td>3</td>
</tr>
<tr>
<td>FRE 320 French Civilization to the Revolution</td>
<td></td>
</tr>
<tr>
<td>FRE 325 Modern and Contemporary France</td>
<td></td>
</tr>
<tr>
<td>FRE 305 An Introduction to Literature in French</td>
<td>3</td>
</tr>
</tbody>
</table>

**400 level core**
FRE 430  Advanced French Syntax and Stylistics  3

**Electives:**
Select one of the following:  3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 220</td>
<td>France and the Francophone World (if not taken above)</td>
</tr>
<tr>
<td>FRE 325</td>
<td>Modern and Contemporary France (if not taken above)</td>
</tr>
<tr>
<td>FRE 315</td>
<td>Business French</td>
</tr>
<tr>
<td>FRE 321</td>
<td>Studies in Francophone Civilizations</td>
</tr>
<tr>
<td>FRE 326</td>
<td>Current Events</td>
</tr>
<tr>
<td>FRE 327</td>
<td>Grammar Review</td>
</tr>
<tr>
<td>FRE 351</td>
<td>Films in French</td>
</tr>
<tr>
<td>FRE 403</td>
<td>Studies in French/Francophone Literature</td>
</tr>
<tr>
<td>FRE 404</td>
<td>French Literature: Theatre</td>
</tr>
<tr>
<td>FRE 405</td>
<td>French Literature: Prose</td>
</tr>
<tr>
<td>FRE 407</td>
<td>African and Caribbean Literature in French</td>
</tr>
<tr>
<td>FRE 450</td>
<td>National/International Intern Program</td>
</tr>
<tr>
<td>FRE 498</td>
<td>Independent Study</td>
</tr>
<tr>
<td>FRE 499</td>
<td>Independent Study</td>
</tr>
<tr>
<td>INS 251</td>
<td>Study Abroad Practicum: Journaling</td>
</tr>
</tbody>
</table>

**Language education courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MLG 406</td>
<td>Language Assessment and Testing</td>
</tr>
<tr>
<td>MLG 474</td>
<td>Teaching World Languages: From Early Adolescence to Adolescence (for secondary licensure in French for EA-A candidates with other licensure majors)</td>
</tr>
</tbody>
</table>

**Total Credits**  27

**Study abroad requirement:**
1. All students should consult with their advisor in French regarding specific requirements for study abroad.
2. All French education minors are required to complete an approved foreign language immersion experience of at least 14 weeks (one semester).
3. Students are required to complete the 300 level core of courses before studying abroad.
4. Only electives category may be taken abroad.
5. Students must take INS 251 during their study abroad program.

**Proficiency requirement:**
Prior to student teaching, teacher candidates are required to

1. Demonstrate proficiency with an "Intermediate High" rating on the American Council Teaching of Foreign Languages Oral Proficiency test in French (ACTFL-OPIc) and
2. Demonstrate proficiency with an "Intermediate High" rating on the American Council Teaching of Foreign Languages Written Proficiency test in French (ACTFL-WPT internet)

---

## French Education Minor (Middle Childhood-Early Adolescence Certification)

*(Teacher certification program: middle childhood-early adolescence)*

27 credits

---

**Bridge course:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 303</td>
<td>Advanced French I</td>
</tr>
</tbody>
</table>

**300 level courses:**

**Language:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 304</td>
<td>Advanced French II</td>
</tr>
<tr>
<td>FRE 331</td>
<td>French Phonetics</td>
</tr>
</tbody>
</table>

**Culture/civilization:**

Select three credits from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 220</td>
<td>France and the Francophone World (if not taken above)</td>
</tr>
<tr>
<td>FRE 320</td>
<td>French Civilization to the Revolution</td>
</tr>
<tr>
<td>FRE 325</td>
<td>Modern and Contemporary France</td>
</tr>
</tbody>
</table>

**Literature:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 305</td>
<td>An Introduction to Literature in French</td>
</tr>
</tbody>
</table>

**400 level courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 430</td>
<td>Advanced French Syntax and Stylistics</td>
</tr>
</tbody>
</table>

**Electives:**
Select three credits from the following electives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRE 220</td>
<td>France and the Francophone World (if not taken above)</td>
</tr>
<tr>
<td>FRE 325</td>
<td>Modern and Contemporary France (if not taken above)</td>
</tr>
<tr>
<td>FRE 315</td>
<td>Business French</td>
</tr>
<tr>
<td>FRE 321</td>
<td>Studies in Francophone Civilizations</td>
</tr>
<tr>
<td>FRE 326</td>
<td>Current Events</td>
</tr>
<tr>
<td>FRE 327</td>
<td>Grammar Review</td>
</tr>
<tr>
<td>FRE 351</td>
<td>Films in French</td>
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<td>FRE 403</td>
<td>Studies in French/Francophone Literature</td>
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<tr>
<td>FRE 404</td>
<td>French Literature: Theatre</td>
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<tr>
<td>FRE 405</td>
<td>French Literature: Prose</td>
</tr>
<tr>
<td>FRE 406</td>
<td>French Literature: Poetry</td>
</tr>
<tr>
<td>FRE 407</td>
<td>African and Caribbean Literature in French</td>
</tr>
<tr>
<td>FRE 450</td>
<td>National/International Intern Program</td>
</tr>
<tr>
<td>FRE 498</td>
<td>Independent Study</td>
</tr>
<tr>
<td>FRE 499</td>
<td>Independent Study</td>
</tr>
<tr>
<td>INS 251</td>
<td>Study Abroad Practicum: Journaling</td>
</tr>
</tbody>
</table>

**Language education:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MLG 306</td>
<td>Introduction to Second Language Acquisition</td>
</tr>
<tr>
<td>MLG 473</td>
<td>Teaching World Languages: From Early Childhood to Early Adolescence (for elementary and middle school licensure in a modern language)</td>
</tr>
</tbody>
</table>

**Total Credits**  27

**MC-EA teacher education candidates are encouraged to work toward or complete a French major. Consult with a French education advisor if you plan to major in French education.**

**Study abroad requirement:**
1. All students should consult with their advisor in French regarding specific requirements for study abroad.
2. MC-EA program/major candidates are required to complete a minimum of 10 weeks (14 weeks or a full semester are recommended) abroad in a program approved by the Department of Modern Languages; all students must consult with their modern language advisor before committing to a specific study abroad program.
3. Students are required to complete FRE 303, FRE 304, FRE 305 and one culture/civilization course before studying abroad. Up to 12 credits may be taken abroad at a site approved by the Department of Modern Languages, or on approved faculty-led programs.

4. Students must take INS 251 Study Abroad Practicum: Journaling (1 cr.) during their study abroad program.

Proficiency requirement:

Prior to student teaching, teacher candidates are required to

1. Demonstrate proficiency with an "Intermediate High" rating on the American Council Teaching of Foreign Languages Oral Proficiency test in French (ACTFL-OPIc) and
2. Demonstrate proficiency with an "Intermediate High" rating on the American Council Teaching of Foreign Languages Written Proficiency test in French (ACTFL-WPT Internet).

German Studies Minor

(All colleges excluding teacher certification programs)

18 credits above GER 202

Select one of the following in literature:

GER 301 An Introduction to German Literature
GER 403 Studies of German Literature
GER 406 Contemporary German Literature

Select one of the following:

GER 320 German Civilization: 1870-Reunification
GER 321 German Civilization: 1989-Present

Select two of the following in German skills development:

GER 300 Advanced German
GER 311 German Conversation and Composition
GER 313 German Grammar and Composition
GER 330 German Conversation and Phonetics

Select six credits of electives in German at the 300/400 level:

Total Credits 18

1 excluding GER 398 and GER 399

German Studies Education Minor (Early Adolescence-Adolescence Certification)

(Teacher certification programs: early adolescence-adolescence)

24 credits

Bridge course:

GER 300 Advanced German 3

300 level courses:

Language:

Select two of the following:

GER 311 German Conversation and Composition
GER 313 German Grammar and Composition
GER 330 German Conversation and Phonetics

Culture/civilization:

GER 320 German Civilization: 1870-Reunification 3
or GER 321 German Civilization: 1989-Present

Literature:

GER 301 An Introduction to German Literature 3

Electives:

Select one German elective at the 300/400 level. Electives may be taken abroad.

Language education:

MLG 406 Language Assessment and Testing 3
MLG 474 Teaching World Languages: From Early Adolescence to Adolescence (for secondary licensure in German for EA-A candidates with other licensure majors) 3

Total Credits 24

1 excluding GER 398 and GER 399

Study abroad requirement:

1. All students should consult with their advisor in German regarding specific requirements for study abroad.
2. All German studies education minors are required to complete an approved foreign language immersion experience of at least 14 weeks (one semester).
3. All German studies education EA-A minors are required to complete GER 300 before studying abroad.
4. All German studies education minors must take INS 251 during their study abroad program.

Proficiency requirement:

Prior to student teaching, teacher candidates are required to

1. Demonstrate proficiency with an "Intermediate High" rating on the American Council Teaching of Foreign Languages Oral Proficiency test in German (ACTFL-OPIc) and
2. Demonstrate proficiency with an "Intermediate High" rating on the American Council Teaching of Foreign Languages Written Proficiency test in German (ACTFL-WPT Internet).

German Studies Education Minor (Middle Childhood-Early Adolescence Certification)

(Teacher certification programs: middle childhood-early adolescence)

27 credits

Bridge course:

GER 300 Advanced German 3

300 level language and literature courses:

GER 301 An Introduction to German Literature 3

Select six credits of the following:

GER 311 German Conversation and Composition
GER 313 German Grammar and Composition
GER 330 German Conversation and Phonetics

Or equivalent courses from study abroad

300 level core culture and civilization courses:

GER 320 German Civilization: 1870-Reunification 3
GER 326 Current Events 1

Select three credits of the following:

3
GER 321  German Civilization: 1989-Present  
Or equivalent course from study abroad

<table>
<thead>
<tr>
<th>Electives:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select electives at the 300/400 level in German</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Language education (3 credits in teaching methods):</th>
</tr>
</thead>
<tbody>
<tr>
<td>MLG 473  Teaching World Languages: From Early Childhood to Early Adolescence (elementary and middle school licensure in a modern language)</td>
</tr>
</tbody>
</table>

Total Credits 27

1 excluding GER 398 and GER 399

**MC-EA teacher education candidates are encouraged to work toward or complete a German studies major. Consult with a German studies education advisor if you plan to major in German studies education.**

**Study abroad requirement:**

1. All students should consult with their advisor in German studies regarding specific requirements for study abroad.
2. MC-EA program/major candidates are required to complete a minimum of 10 weeks (14 weeks or a full semester are recommended) abroad in a program approved by the Department of Modern Languages; all students must consult with their modern language advisor before committing to a specific study abroad program.
3. German studies education MC-EA minors are required to complete the 300 level bridge course (GER 300) before studying abroad. Up to 13 credits may be taken abroad at a site approved by the Department of Modern Languages or on approved faculty-led programs.
4. German studies education minors must take INS 251 during their study abroad program.

**Proficiency requirement:**

Prior to student teaching, teacher candidates are required to

1. Demonstrate proficiency with an "Intermediate High" rating on the American Council Teaching of Foreign Languages Oral Proficiency test in German (ACTFL-OPIc) and
2. Demonstrate proficiency with an "Intermediate High" rating on the American Council Teaching of Foreign Languages Written Proficiency test in German (ACTFL-WPT Internet).

**Spanish Minor**

**Spanish advising**

Students should consult with an advisor in the Department of Modern Languages regarding their individual plan of study. Students planning to pursue graduate studies in Spanish need to be aware of special requirements.

**Spanish policy of transfer of study abroad credits**

The following policy applies to all Spanish credits taken abroad. Students may transfer the following credits per term from study abroad experiences:

**Winter term:**
4 weeks: 4-5 credits
6 weeks: 6-8 credits
8 weeks: 8-10 credits
10 weeks: 8-10 credits

**Summer term:**
4 weeks: 4-5 credits
6 weeks: 6-8 credits
8 weeks: 8-10 credits
10 weeks: 8-10 credits

**Fall/Spring semester term:**
12-16 weeks: 12 credits (Exceptions may be allowed for partner programs.)

In the case of one year study abroad, there is a maximum of 16 credits which students majoring in Spanish can take abroad and apply to the major (nine credits applicable for minors). Credits taken in excess of that can be transferred to UW-L as university elective credit.

**Minor requirements**

(All colleges, excluding teacher certification programs)

18 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 300</td>
<td>Oral Proficiency Through Grammar Review</td>
</tr>
<tr>
<td>SPA 320</td>
<td>Spanish Civilization</td>
</tr>
<tr>
<td>or SPA 321</td>
<td>Spanish American Civilization</td>
</tr>
<tr>
<td>SPA 326</td>
<td>Current Events</td>
</tr>
<tr>
<td>SPA 330</td>
<td>Advanced Grammar and Syntax</td>
</tr>
<tr>
<td>Select one credit of the following:</td>
<td></td>
</tr>
<tr>
<td>SPA 327</td>
<td>Grammar Review</td>
</tr>
<tr>
<td>SPA 328</td>
<td>Reading for Language Proficiency</td>
</tr>
<tr>
<td>SPA 329</td>
<td>Reporting and Publishing News in Spanish</td>
</tr>
<tr>
<td>Select six credits of electives from 300/400 level courses</td>
<td>6</td>
</tr>
</tbody>
</table>

Total Credits 18

**Spanish Education Minor (Early Adolescence-Adolescence Certification)**

**Spanish advising**

Students should consult with an advisor in the Department of Modern Languages regarding their individual plan of study. Students planning to pursue graduate studies in Spanish need to be aware of special requirements.

**Spanish policy of transfer of study abroad credits**

The following policy applies to all Spanish credits taken abroad. Students may transfer the following credits per term from study abroad experiences:

**Winter term:**
4 weeks: 4-5 credits
6 weeks: 6-8 credits
8 weeks: 8-10 credits
10 weeks: 8-10 credits

**Summer term:**
4 weeks: 4-5 credits
6 weeks: 6-8 credits
8 weeks: 8-10 credits
10 weeks: 8-10 credits

**Fall/Spring semester term:**
12-16 weeks: 12 credits (Exceptions may be allowed for partner programs.)

*In the case of one year study abroad, there is a maximum of 16 credits which students majoring in Spanish can take abroad and apply to the major (nine credits applicable for minors). Credits taken in excess of that can be transferred to UW-L as university elective credit.*

**Minor requirements**

Teacher certification programs

24 credits

<table>
<thead>
<tr>
<th>Bridge course:</th>
<th>SPA 300 Oral Proficiency Through Grammar Review 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>300 level courses:</td>
<td>Language:</td>
</tr>
<tr>
<td>SPA 330 Advanced Grammar and Syntax 3</td>
<td></td>
</tr>
<tr>
<td>SPA 331 Spanish Phonetics 3</td>
<td></td>
</tr>
<tr>
<td>SPA 326 Current Events 1</td>
<td></td>
</tr>
<tr>
<td>SPA 427 Spanish Grammar for Teachers 1</td>
<td></td>
</tr>
<tr>
<td>Culture/civilization:</td>
<td></td>
</tr>
<tr>
<td>SPA 308 Cultures and Civilizations of the Spanish Speaking World 3</td>
<td></td>
</tr>
<tr>
<td>SPA 320 Spanish Civilization 3</td>
<td></td>
</tr>
<tr>
<td>or SPA 321 Spanish American Civilization</td>
<td></td>
</tr>
<tr>
<td>Language education:</td>
<td></td>
</tr>
<tr>
<td>MLG 406 Language Assessment and Testing 3</td>
<td></td>
</tr>
<tr>
<td>MLG 474/574 Teaching World Languages: From Early Adolescence to Adolescence (for secondary licensure in Spanish for EA-A candidates with other licensure majors) 3</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 24

**Study abroad requirement:**

1. All students should consult with their advisor in Spanish regarding specific requirements for study abroad.
2. All Spanish education minors are required to complete an approved foreign language immersion experience of at least 14 weeks (one semester)
3. Students are required to complete the 300 level core of courses before studying abroad

**Proficiency requirement:**

Prior to student teaching, teacher candidates are required to

1. Demonstrate proficiency with an “Intermediate High” rating on the American Council Teaching of Foreign Languages Oral Proficiency test in Spanish (ACTFL-OPIc) and

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**Spanish Education Minor (Middle Childhood - Early Adolescence Certification)**

**Spanish advising**

Students should consult with an advisor in the Department of Modern Languages regarding their individual plan of study. Students planning to pursue graduate studies in Spanish need to be aware of special requirements.

**Spanish policy of transfer of study abroad credits**

The following policy applies to all Spanish credits taken abroad. Students may transfer the following credits per term from study abroad experiences:

**Winter term:**
4 weeks: 4-5 credits

**Summer term:**
4 weeks: 4-5 credits
6 weeks: 6-8 credits
8 weeks: 8-10 credits
10 weeks: 8-10 credits

**Fall/Spring semester term:**
12-16 weeks: 12 credits (Exceptions may be allowed for partner programs.)

*In the case of one year study abroad, there is a maximum of 16 credits which students majoring in Spanish can take abroad and apply to the major (nine credits applicable for minors). Credits taken in excess of that can be transferred to UW-L as university elective credit.*

**Minor requirements**

(Teacher certification programs)

27 credits

<table>
<thead>
<tr>
<th>Bridge course:</th>
<th>SPA 300 Oral Proficiency Through Grammar Review 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>300 level Language and literature courses:</td>
<td></td>
</tr>
<tr>
<td>SPA 305 Introduction to Hispanic Literature 3</td>
<td></td>
</tr>
<tr>
<td>SPA 330 Advanced Grammar and Syntax 3</td>
<td></td>
</tr>
<tr>
<td>SPA 331 Spanish Phonetics 3</td>
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<tr>
<td>300 level culture and civilization courses:</td>
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<tr>
<td>SPA 308 Cultures and Civilizations of the Spanish Speaking World 3</td>
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<tr>
<td>SPA 320 Spanish Civilization 3</td>
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<td>SPA 321 Spanish American Civilization 3</td>
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<tr>
<td>SPA 326 Current Events 1</td>
<td></td>
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<tr>
<td>Spanish language education course:</td>
<td>SPA 427 Spanish Grammar for Teachers 1</td>
</tr>
<tr>
<td>Language education (three credits in teaching methods):</td>
<td></td>
</tr>
</tbody>
</table>
MLG 473/573  Teaching World Languages: From Early Childhood to Early Adolescence (elementary and middle school licensure in a modern language)  3

Total Credits  27

Note: MC-EA teacher education candidates are encouraged to work toward or complete a Spanish major. Consult with a Spanish education advisor if you plan to major in Spanish education.

Study abroad requirement:
1. All students should consult with their advisor in Spanish regarding specific requirements for study abroad.
2. MC-EA program/major candidates are required to complete a minimum of 10 weeks (14 weeks or a full semester are recommended) abroad in a program approved by the Department of Modern Languages; all students must consult with their modern language advisor before committing to a specific study abroad program.
3. Students are required to complete SPA 300 Oral Proficiency Through Grammar Review (4 cr.), SPA 308 Cultures and Civilizations of the Spanish Speaking World (3 cr.) and one other 3 credit 300-level course before studying abroad. Up to 13 credits may be taken abroad at a site approved by the Department of Modern Languages, or on approved faculty-led programs.

Proficiency requirement:
Prior to student teaching, teacher candidates are required to
1. Demonstrate proficiency with an "Intermediate High" rating on the American Council Teaching of Foreign Languages Oral Proficiency test in Spanish (ACTFL-OPIc) and
2. Demonstrate proficiency with an "Intermediate High" rating on the American Council Teaching of Foreign Languages Written Proficiency test in Spanish (ACTFL-WPT internet).

Teaching English to Speakers of Other Languages (TESOL) Minor
(All colleges)
25-27 credits

Language requirements:
Proficiency in a foreign language demonstrated through completion of 102-level course work or equivalent experience, and proficiency in English demonstrated by a grade of "B" or better in one of the following courses

ENG 110  College Writing I  3
ENG 112  College Writing AP (Advanced Placement)  3
ENG 303  Advanced Composition  3
ENG 304  Writing in the Arts and Humanities  3
ENG 306  Writing in Education  3
ENG 309  Writing in the Sciences  3

Core:

ENG 332  Modern English Grammars: Analysis of Language  3
ENG 334  Language Study for Teachers  3
ENG 331  Introduction to Linguistics  3
or MLG 340  The Study of Language

Total Credits  19

1  Course description and title are changing starting Fall 2014. The new course description is as follows:
ENG 332 Cr. 3
Modern English Grammars
An introduction to the structure of the English language, focusing primarily on its syntax. Investigation of the various grammatical functions that words perform and how those words combine to create phrases, clauses, and sentences. Development of skills for analyzing and describing English sentences. Prerequisite: ENG 110 or ENG 112. Offered Fall, Spring.

Electives:
Courses used for general education will not apply to the TESOL minor.

Education majors in French/German/Spanish, EC-A certification track:

EDS 308  Foundations of Literacy  3
EDS 412  Teaching Reading and Literacy  5
Total Credits  8

All other TESOL minors:
One course from language and cultural studies, and three additional credits from language and cultural studies or from additional electives.

Language and cultural studies  3-6

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 196</td>
<td>Introduction to Linguistic Anthropology</td>
</tr>
<tr>
<td>CST 332</td>
<td>Intercultural Communication</td>
</tr>
<tr>
<td>EDS 308</td>
<td>Foundations of Literacy</td>
</tr>
<tr>
<td>EDS 351</td>
<td>Language, Literacy, and Culture in the Secondary Classroom</td>
</tr>
<tr>
<td>ENG 330</td>
<td>History of the English Language</td>
</tr>
<tr>
<td>ENG 337</td>
<td>The Rhetorics of Style</td>
</tr>
<tr>
<td>ENG 434</td>
<td>Chinese Discourse</td>
</tr>
<tr>
<td>ENG 439</td>
<td>Topics in Linguistics</td>
</tr>
<tr>
<td>PHL 311</td>
<td>Philosophy of Language</td>
</tr>
<tr>
<td>PSY 282</td>
<td>Cross-Cultural Psychology</td>
</tr>
<tr>
<td>PSY 360</td>
<td>Cross Cultural Human Development</td>
</tr>
<tr>
<td>PSY 436</td>
<td>Psychology of Language</td>
</tr>
<tr>
<td>SPA 460</td>
<td>Introduction to Hispanic Linguistics</td>
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<tr>
<td>SPA 471</td>
<td>Introduction to Principles of Spanish Interpreting</td>
</tr>
<tr>
<td>SPE 431</td>
<td>Language Development and Communication Disorders</td>
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<td>TSL 425</td>
<td>Global Issues in TESOL</td>
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</table>

Additional electives  0-3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
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<tbody>
<tr>
<td>ANT/ECO/Geo/HIS/Pol/Soc 202</td>
<td>Contemporary Global Issues</td>
</tr>
<tr>
<td>ANT 215</td>
<td>Refugees, Displaced Persons &amp; Transnational Communities</td>
</tr>
<tr>
<td>ANT 351</td>
<td>Peoples and Cultures of Southeast Asia</td>
</tr>
<tr>
<td>ANT 290</td>
<td>Andean Anthropology</td>
</tr>
<tr>
<td>ANT 305</td>
<td>Indigenous Agricultural Societies: Past &amp; Present</td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
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<tr>
<td>ANT 321</td>
<td>Images, Visual Culture and Anthropology</td>
</tr>
<tr>
<td>ANT/SOC 307</td>
<td>International Development and Culture Change</td>
</tr>
<tr>
<td>ANT/SOC 320</td>
<td>Rites, Rituals and Ceremonies</td>
</tr>
<tr>
<td>ANT/SOC 354</td>
<td>Peoples and Cultures of Latin America</td>
</tr>
<tr>
<td>CST 315</td>
<td>Communication Criticism</td>
</tr>
<tr>
<td>EDS 412</td>
<td>Teaching Reading and Literacy</td>
</tr>
<tr>
<td>EFN 475</td>
<td>Special Topics Seminar in Education (depending on topic)</td>
</tr>
<tr>
<td>ENG 208</td>
<td>International Studies in Literature</td>
</tr>
<tr>
<td>ENG 302</td>
<td>Intermediate Topics in Literature (depending on topic)</td>
</tr>
<tr>
<td>ENG 356</td>
<td>European Literature in Translation</td>
</tr>
<tr>
<td>ENG 357</td>
<td>World Literature</td>
</tr>
<tr>
<td>ENG 380</td>
<td>Literature of American Ethnic and Minority Cultures</td>
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<tr>
<td>ENG 388</td>
<td>Latino Literature in English</td>
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<tr>
<td>ENG 481</td>
<td>Seminar in Literature and Culture (depending on topic)</td>
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<tr>
<td>ERS 220</td>
<td>Ethnic and Racial Stereotyping in the Media</td>
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<tr>
<td>ERS 351</td>
<td>Ethnic and Racial Relations</td>
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<tr>
<td>ERS/SOC/ANT 362</td>
<td>Hmong Americans</td>
</tr>
<tr>
<td>FRE 220</td>
<td>France and the Francophone World</td>
</tr>
<tr>
<td>FRE 321</td>
<td>Studies in Francophone Civilizations (depending on topic)</td>
</tr>
<tr>
<td>FRE 325</td>
<td>Modern and Contemporary France</td>
</tr>
<tr>
<td>FRE 407</td>
<td>African and Caribbean Literature in French</td>
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<tr>
<td>GEO 312</td>
<td>Geography of Africa</td>
</tr>
<tr>
<td>GEO 318</td>
<td>The Geography of Latin America &amp; the Caribbean</td>
</tr>
<tr>
<td>GEO 328</td>
<td>Geography of East and Southeast Asia</td>
</tr>
<tr>
<td>GEO 331</td>
<td>Geography of the Middle East, Central and South Asia</td>
</tr>
<tr>
<td>GER 320</td>
<td>German Civilization: 1870-Reunification</td>
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<tr>
<td>GER 321</td>
<td>German Civilization: 1989-Present</td>
</tr>
<tr>
<td>HED 486</td>
<td>Introduction to International Health</td>
</tr>
<tr>
<td>HIS 240</td>
<td>Survey of Modern Europe</td>
</tr>
<tr>
<td>HIS 250</td>
<td>The Asian World</td>
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<tr>
<td>HIS 260</td>
<td>Survey of the Middle East</td>
</tr>
<tr>
<td>HIS 285</td>
<td>Survey of Modern African History</td>
</tr>
<tr>
<td>HIS 306</td>
<td>History of Ethnic America (ES)</td>
</tr>
<tr>
<td>HIS 335</td>
<td>History of China</td>
</tr>
<tr>
<td>HIS 336</td>
<td>Hispanics in the United States (ES)</td>
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<tr>
<td>HIS 342</td>
<td>Twentieth Century Latin America</td>
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<tr>
<td>HIS 343</td>
<td>U.S. Borderlands</td>
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<tr>
<td>HIS 345</td>
<td>U.S.-Latin American Relations</td>
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<tr>
<td>HIS 347</td>
<td>A History of Greater Mexico</td>
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<tr>
<td>HIS 349</td>
<td>History of Modern Europe (20th Century)</td>
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<tr>
<td>HIS 351</td>
<td>History of France: 1750 - Present</td>
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<tr>
<td>HIS 352</td>
<td>History of Modern Germany</td>
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<td>HIS 356</td>
<td>History of Mexico</td>
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<tr>
<td>HIS 359</td>
<td>Women, Gender and Sexuality in Modern Europe</td>
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<tr>
<td>HIS 360</td>
<td>Women, Gender, and Sexuality in Latin America</td>
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<tr>
<td>HIS 363</td>
<td>Modern Indian History and Culture</td>
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<tr>
<td>HIS 385</td>
<td>Modern African History</td>
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<tr>
<td>HIS 386</td>
<td>Women and Gender in Africa</td>
</tr>
<tr>
<td>HIS 387</td>
<td>African Novels and History</td>
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<tr>
<td>HIS 394</td>
<td>Modern Japanese History</td>
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<td>HIS 395</td>
<td>Postwar Japanese History</td>
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<tr>
<td>INS 225</td>
<td>Seminar in World Area Studies (depending on topic)</td>
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<tr>
<td>INS 226</td>
<td>Seminar Foreign Study Tour (depending on topic)</td>
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<td>INS 250</td>
<td>Orientation to Study Abroad</td>
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<tr>
<td>INS 251</td>
<td>Study Abroad Practicum: Journaling</td>
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<td>INS 252</td>
<td>Cross-Cultural Reentry From Study Abroad</td>
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<td>MGT 360</td>
<td>Global Perspective on Business</td>
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<td>MLG 299</td>
<td>Foreign Literature in Translation</td>
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<td>MLG 304</td>
<td>Heritage Language: Advanced</td>
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<td>MLG 455</td>
<td>Foreign Language Program Development (depending on topic)</td>
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<td>PHL 336</td>
<td>International Multicultural Philosophy</td>
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<td>PHL 345</td>
<td>Latin American Philosophy</td>
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<tr>
<td>PHL 349</td>
<td>Asian Philosophy</td>
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<tr>
<td>PHL 401</td>
<td>World Ethics</td>
</tr>
<tr>
<td>POL 330</td>
<td>Politics of Developing Areas</td>
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<tr>
<td>POL 333</td>
<td>Asian Government and Politics</td>
</tr>
<tr>
<td>POL 336</td>
<td>Middle Eastern Government and Politics</td>
</tr>
<tr>
<td>POL 337</td>
<td>African Government and Politics</td>
</tr>
<tr>
<td>POL 338</td>
<td>European Government and Politics</td>
</tr>
<tr>
<td>POL 339</td>
<td>Contemporary Latin America</td>
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<td>PSY 285</td>
<td>Culture and Mental Health: An Applied Perspective (ES)</td>
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<td>SOC 225</td>
<td>Racial and Ethnic Minorities (ES)</td>
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<tr>
<td>SOC 337</td>
<td>Globalization, Women, and Work</td>
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<td>SPA 320</td>
<td>Spanish Civilization</td>
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<td>SPA 321</td>
<td>Spanish American Civilization</td>
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<tr>
<td>SPA 390</td>
<td>Topics in Hispanic Cultures (depending on topic)</td>
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<td>SPA 425</td>
<td>Latino Literature of the United States</td>
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<td>THA 351</td>
<td>World Theatre</td>
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<td>TSL 350</td>
<td>ESL Program Development</td>
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<td>Independent Study</td>
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<td>WGS 230</td>
<td>Women's Diversity: Race, Class, and Culture (ES)</td>
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<tr>
<td>WGS 337</td>
<td>Globalization, Women, and Work</td>
</tr>
<tr>
<td>WGS 373</td>
<td>Gender and Human Rights</td>
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</tbody>
</table>

**Teacher certification** – To teach English language learners in public schools, a student must complete requirements in professional education, complete a certifiable major and TESOL minor, pass the ESL Praxis II exam and the Praxis II exam(s) for the certifiable major(s), and student teach English language learners at appropriate levels.

Also see English as a Second Language Institute (p. 97).

### French Studies Certificate

(All colleges)

18 credits above FRE 102 including:

- **FRE 201** Intermediate French I 3
- **FRE 202** Intermediate French II (changing to three credits spring of 2015) 3
- **FRE 220** France and the Francophone World 3
FRE 303  Advanced French I  3  
FRE 304  Advanced French II  3  
Select remaining credits from the following electives:  2  3  
FRE 305  An Introduction to Literature in French  
FRE 315  Business French  
FRE 320  French Civilization to the Revolution  
FRE 321  Studies in Francophone Civilizations  
FRE 325  Modern and Contemporary France  
FRE 331  French Phonetics  
FRE 351  Films in French  
FRE 450  National/International Intern Program  

Total Credits  18  

1  Or substitute FRE 320 or FRE 321 or FRE 325 for FRE 220.  
2  FRE 320, FRE 321, or FRE 325 can be used in the elective category if not used in required category  

In order to complete the certificate program, a candidate must earn a minimum 2.5 cumulative GPA for course work in the certificate.

Russian Studies Certificate  
(All colleges)  
14 credits above RUS 102  
RUS 201  Intermediate Russian I  4  
RUS 202  Intermediate Russian II  4  
RUS 305  Golden Age Russian Literature and Culture  3  
Select three credits of the following:  1  3  
ANT/HIS 312  Peoples and Cultures of Eastern Europe and the Former Soviet Union  
HIS 325  America in the Cold War  
HIS 339  History of Russia and the Soviet Union  
POL 338  European Government and Politics  
POL 341  America and the World  
POL 344  Politics of Global Governance  
POL 355  Political Ideologies  
RUS 398  Directed Studies  

Total Credits  14  

1  May use INS 250, INS 251, and INS 252 (if studying abroad in Russia) to satisfy the elective category.  

In order to complete the certificate program, a candidate must earn a minimum 2.50 cumulative GPA for course work in the certificate.

Alvida Ahlstrom Honors Program  

Program  
1. Admission  
   a. Junior standing  
   b. 3.60 in French, German or Spanish course work at the 300 or 400 level  
2. Program  
   a. Completion of the regular major or minor requirements  
   b. FRE 495 / SPA 495 / GER 495  
   c. Three additional credits of literature or civilization at the 300 or 400 level  
   d. Department approval of seminar paper or project; submission of completed paper to the department  

3. Evaluation  
   a. A cumulative 3.60 grade point average in the major or minor at graduation  
   b. Distinguished performance on a paper or project developed in the French, Spanish, or German seminar course.  
   c. Approval by the departmental staff.

Philosophy (PHL)  
College of Liberal Studies  
Department Chair: Eric Kraemer  
245E Graff Main Hall; 608.785.8424  
Email: ekraemer@uwlax.edu  
www.uwlax.edu/philosophy  
The significant features of the Department of Philosophy at UW-La Crosse include its broadly prepared faculty and its diverse course offerings. The philosophy faculty members, all of whom have doctorates in philosophy, represent many different philosophical viewpoints and diverse competencies and interests. The coursework available in the Philosophy Program represents not only all of the important traditional areas of philosophy but also new interests and developments in the field.  

Philosophy fosters creative and critical thinking and helps one to understand human thought through the ages as well as developing an insightful perspective on the present scene. Students often major in another discipline at the same time they are studying philosophy. This joint major program is excellent preparation for many programs of study beyond the baccalaureate degree including law, business, and medicine.  

Our people  
Professor  
Eric Kraemer  
Associate Professor  
Sheryl Tuttle Ross  
Assistant Professor  
Samuel Cocks  
Rox Glass  
Mary Krizan  
Sharon Scherwitz  
Administrative Support  
Janet Abnet  

Majors  
• Philosophy major - BA (p. 173)  
• Philosophy major - BS (p. 174)
Minor
• Philosophy minor (p. 175)

Honors
• Philosophy honors program (p. 175)

Philosophy Major - Bachelor of Arts (BA)

Major requirements
(All colleges, excluding teacher certification programs)

30 credits

Core courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PHL 100</td>
<td>Introduction to Philosophy</td>
<td>3</td>
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<tr>
<td>or PHL 200</td>
<td>Introduction to the Literature of Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHL 101</td>
<td>Introduction to Logic</td>
<td>3</td>
</tr>
<tr>
<td>PHL 201</td>
<td>Introduction to Ethics</td>
<td>3</td>
</tr>
<tr>
<td>or PHL 303</td>
<td>Ethical Theory</td>
<td>3</td>
</tr>
<tr>
<td>PHL 205</td>
<td>History of Philosophy I</td>
<td>3</td>
</tr>
<tr>
<td>PHL 206</td>
<td>History of Philosophy II</td>
<td>3</td>
</tr>
<tr>
<td>PHL 496</td>
<td>Integrative Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective courses

Select 12 credits of electives in philosophy 12

Total Credits 30

Majors must take four philosophy courses at the 300/400 level including PHL 496. No more than six credits of PHL 494/PHL 495/PHL 497 shall count toward the major.

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• College core (p. 173)
• Baccalaureate degree requirements (p. 174)

CLS Bachelor of Arts core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track

1. Native speakers of English complete:
   Select one of the following:
   
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHI 202</td>
<td>Intermediate Chinese II</td>
</tr>
<tr>
<td>FRE 202</td>
<td>Intermediate French II</td>
</tr>
<tr>
<td>GER 202</td>
<td>Intermediate German II</td>
</tr>
<tr>
<td>RUS 202</td>
<td>Intermediate Russian II</td>
</tr>
<tr>
<td>SPA 202</td>
<td>Intermediate Spanish II</td>
</tr>
<tr>
<td>MLG 202</td>
<td>World Languages: Intermediate</td>
</tr>
<tr>
<td>MLG 204</td>
<td>Heritage Language: Intermediate</td>
</tr>
<tr>
<td>MLG 304</td>
<td>Heritage Language: Advanced</td>
</tr>
</tbody>
</table>

Non-native speakers of English: score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university’s English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations); and

2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

B. Humanities track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and

2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and

3. One additional course in social sciences or fine arts.

C. Fine arts track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and

2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and

3. One additional course in social sciences or humanities.
In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Philosophy Major - Bachelor of Science (BS)

Major requirements

(All colleges, excluding teacher certification programs)

### Core courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHL 100</td>
<td>Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>or PHL 200</td>
<td>Introduction to the Literature of Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHL 101</td>
<td>Introduction to Logic</td>
<td>3</td>
</tr>
<tr>
<td>PHL 201</td>
<td>Introduction to Ethics</td>
<td>3</td>
</tr>
<tr>
<td>or PHL 303</td>
<td>Ethical Theory</td>
<td>3</td>
</tr>
<tr>
<td>PHL 205</td>
<td>History of Philosophy I</td>
<td>3</td>
</tr>
<tr>
<td>PHL 206</td>
<td>History of Philosophy II</td>
<td>3</td>
</tr>
<tr>
<td>PHL 496</td>
<td>Integrative Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

### Elective courses

Select 12 credits of electives in philosophy

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHL 100</td>
<td>Introduction to Philosophy</td>
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<td>3</td>
</tr>
<tr>
<td>PHL 496</td>
<td>Integrative Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 30

Majors must take four philosophy courses at the 300/400 level including PHL 496. No more than six credits of PHL 494/PHL 495/PHL 497 shall count toward the major.

### Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 174)
- Baccalaureate degree requirements (p. 175)

***CLS Bachelor of Science core requirements***

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2).
Bachelor of Science students complete four courses outside the department of the student’s major as follows:

1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 339); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Philosophy Minor

(All colleges, excluding teacher certification programs)

18 credits

Core courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
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<td>3</td>
</tr>
<tr>
<td>PHL 205</td>
<td>History of Philosophy I</td>
<td>3</td>
</tr>
<tr>
<td>PHL 206</td>
<td>History of Philosophy II</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective courses

Select nine credits of electives in philosophy

Total Credits 18

Philosophy Honors Program

Program

1. Admission
   a. Junior standing
   b. 12 credits in the major
   c. 3.25 cumulative grade point average in the major
   d. Recommendation of two faculty members in the major
2. Program
   a. Completion of the regular major program
   b. PHL 496 Integrative Seminar (3 cr.)
   c. Thesis
3. Evaluation
   a. Cumulative grade point average of 3.60 in the major at graduation
   b. Cumulative grade point average of 3.50 in all university courses
   c. Presentation of the thesis to a colloquium of faculty and students in the major
   d. Final examination

Political Science and Public Administration (POL)

College of Liberal Studies
Department Chair: Cecilia Manrique
421A Wimberly Hall; 608.785.8434
Email: cmanrique@uwlae.edu

http://www.uwlax.edu/polisci/

The Department of Political Science and Public Administration in the College of Liberal Studies at UW-La Crosse offers both political science and public administration major and minor degree programs. There is also an honors program and a political science/public administration honor society. These provide special recognition to those who excel.

The department stresses the value of extracurricular activities and seeks to provide special opportunities for political science students. We especially excel in providing internship opportunities whereby students can earn up to 12 credits while gaining on-the-job experience...
with government agencies, law firms, etc. Many of the internships pay a salary; all help students get jobs upon graduation, and some are international. In addition to internships, the department sponsors or participates in the Model United Nations and Mock Trial programs and in a number of tour and study abroad programs.

The department’s strengths are in public administration, pre-law, international studies, and American government. The department provides internships, special opportunities, and career counseling in all of these areas. Many of the department’s graduates are working for the Wisconsin state government and federal government. Graduates who are interested in law school or graduate school have been quite successful in being admitted and in graduating with advanced degrees.

Pre-law

Law school counselors are practically unanimous in suggesting that the best "pre-law" majors are those in which students are highly interested and prepared to devote themselves wholeheartedly. Beyond that, there are several guidelines: first, select a major which is intellectually rigorous, demanding and substantial. Second, there are a number of courses which are of special benefit in subsequent law school work. Accounting will be useful when encountering courses in corporations, taxes and other business areas. Courses in mathematics or statistics will acquaint students with quantitative measurement. Logic is recommended for developing powers of imaginative and incisive reasoning. History courses will provide valuable backgrounds and content as well as analytical training. Any and all English courses will improve the ability to read and write, and speech and debate will improve verbal skills. Third, a choice of a major may depend upon the kind of law practice envisioned, if such a decision can be made.

Business and economics obviously provide an excellent background for those entering corporate practice; sociology, criminology, and social work relate well to criminal justice work; and political science and/or public administration (perhaps the most common major) will especially serve the needs of those who contemplate public service, elected or otherwise. Applicants must take the Law School Admission Test (LSAT) which covers a broad range of disciplines and gives no advantage to candidates with particular specializations.

Our people

Professor
Alan Bigel
Cecilia Manrique

Associate Professor
Jo Arney

Assistant Professor
Jeremy Arney
Ray Block
Regina Goodnow
John Kovari
Stephen McDougal
Adam Van Liere

Lecturer
Jacob Holt

Administrative Support
Angela House

Majors

• Political science major - BA (p. 176)
• Political science major - BS (p. 179)
• Political science education major (early adolescence-adolescence certification) - BS (p. 181)
• Public administration major - BA (p. 181)
• Public administration major - BS (p. 184)
• Social studies education (broad field) major (early adolescence-adolescence certification) - BS (p. 186)

Minors

• Political science minor (p. 187)
• Political science education minor (p. 187)
• Public administration minor (p. 187)
• Criminal justice minor (p. 187)

Honors

• Political science and/or public administration honors program (p. 188)

Political Science Major - Bachelor of Arts (BA)

Major requirements

(All colleges, excluding teacher certification programs)

36 credits

Each student majoring in political science should consult the current advising handbook and a faculty member before selecting a course of study.

Must have 18 credits of 300/400 level of political science courses applicable to major.

Political science foundation:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 101</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>POL 201</td>
<td>Introduction to Political Science</td>
<td>3</td>
</tr>
<tr>
<td>POL 361</td>
<td>Research Methods in Politics and Government</td>
<td>3</td>
</tr>
<tr>
<td>POL 494</td>
<td>Senior Capstone Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

Political science subfields:

Select one course in three of the following four subfields (see below): 9

American politics
Legal studies
Political philosophy
Public policy/public administration

Select one course in one of the following two subfields (see below): 3

International relations
Comparative politics

Political science electives:
Select 12 credits in any Political Science course: 12
Total Credits 36

1 MTH 145 Elementary Statistics (4 cr.) is a required prerequisite of POL 361 Research Methods in Politics and Government (3 cr.).

2 A maximum of nine credits from course numbers POL 370, POL 371, POL 372, POL 373, POL 374, POL 375, POL 376, POL 377 may be counted toward the major.

**American politics**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 102</td>
<td>State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>POL 205</td>
<td>Women and Politics (ES)</td>
<td>3</td>
</tr>
<tr>
<td>POL 215</td>
<td>Politics and Film</td>
<td>3</td>
</tr>
<tr>
<td>POL 300</td>
<td>Urban Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 301</td>
<td>American Presidency</td>
<td>3</td>
</tr>
<tr>
<td>POL 302</td>
<td>Legislative Process</td>
<td>3</td>
</tr>
<tr>
<td>POL 303</td>
<td>Wisconsin Government and Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 304</td>
<td>Politics and the Media</td>
<td>3</td>
</tr>
<tr>
<td>POL 305</td>
<td>Political Parties</td>
<td>3</td>
</tr>
<tr>
<td>POL 307</td>
<td>Political Language and Communications</td>
<td>3</td>
</tr>
<tr>
<td>POL 342</td>
<td>Identity Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 365</td>
<td>Public Opinion and Political Behavior</td>
<td>3</td>
</tr>
<tr>
<td>POL 410</td>
<td>Civic Engagement and the Wisconsin Idea</td>
<td>3</td>
</tr>
<tr>
<td>POL 472</td>
<td>Interest Group Politics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Legal studies**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 221</td>
<td>The American Legal System</td>
<td>3</td>
</tr>
<tr>
<td>POL 222</td>
<td>Law, Governance and Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 306</td>
<td>Judicial Process</td>
<td>3</td>
</tr>
<tr>
<td>POL 326</td>
<td>Mock Trial I: Trial Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>POL 329</td>
<td>Mock Trial II: Preparation</td>
<td>2</td>
</tr>
<tr>
<td>POL 370</td>
<td>Constitutional Law I: Powers of Government</td>
<td>3</td>
</tr>
<tr>
<td>POL 371</td>
<td>Constitutional Law II: The First Amendment</td>
<td>3</td>
</tr>
<tr>
<td>POL 372</td>
<td>Constitutional Law III: Racial, Gender and Targeted Group Discrimination</td>
<td>3</td>
</tr>
<tr>
<td>POL 373</td>
<td>Constitutional Law IV: Rights of the Accused</td>
<td>3</td>
</tr>
<tr>
<td>POL 374</td>
<td>Constitutional Law V: Right to Life</td>
<td>3</td>
</tr>
<tr>
<td>POL 375</td>
<td>Constitutional Law VI: Criminal Procedure</td>
<td>3</td>
</tr>
<tr>
<td>POL 376</td>
<td>Constitutional Law VII: Administrative Law</td>
<td>3</td>
</tr>
<tr>
<td>POL 377</td>
<td>Constitutional Law VIII: 1787 and Original Intent</td>
<td>3</td>
</tr>
</tbody>
</table>

2 A maximum of nine credits from course numbers POL 370, POL 371, POL 372, POL 373, POL 374, POL 375, POL 376, POL 377 may be counted toward the major.

**Political philosophy**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 251</td>
<td>Justice, Power, and Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 350</td>
<td>American Political Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>POL 351</td>
<td>Classical Political Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>POL 353</td>
<td>Modern and Contemporary Political Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>POL 355</td>
<td>Political Ideologies</td>
<td>3</td>
</tr>
</tbody>
</table>

**Public policy/public administration**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 211</td>
<td>Introduction to Public Administration</td>
<td>3</td>
</tr>
<tr>
<td>POL 311</td>
<td>Public Personnel Administration</td>
<td>3</td>
</tr>
<tr>
<td>POL 312</td>
<td>Public Budgeting and Finance</td>
<td>3</td>
</tr>
<tr>
<td>POL 313</td>
<td>Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>POL 314</td>
<td>Urban Administration and Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 315</td>
<td>Special Topics in Public Administration</td>
<td>3</td>
</tr>
<tr>
<td>POL 316</td>
<td>Ethics Management in Government</td>
<td>3</td>
</tr>
<tr>
<td>POL 317</td>
<td>Health Policy</td>
<td>3</td>
</tr>
<tr>
<td>POL 318</td>
<td>Environmental Politics and Policymaking</td>
<td>3</td>
</tr>
<tr>
<td>POL 416</td>
<td>Nonprofit Organizations</td>
<td>3</td>
</tr>
<tr>
<td>POL 420</td>
<td>Health Administration</td>
<td>3</td>
</tr>
</tbody>
</table>

**International relations**

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 202</td>
<td>Contemporary Global Issues</td>
<td>3</td>
</tr>
<tr>
<td>POL 244</td>
<td>Global Political Systems</td>
<td>3</td>
</tr>
<tr>
<td>POL 340</td>
<td>American Foreign Policy</td>
<td>3</td>
</tr>
<tr>
<td>POL 341</td>
<td>America and the World</td>
<td>3</td>
</tr>
<tr>
<td>POL 344</td>
<td>Politics of Global Governance</td>
<td>3</td>
</tr>
<tr>
<td>POL 345</td>
<td>International Law</td>
<td>3</td>
</tr>
<tr>
<td>POL 346</td>
<td>Model UN: The United Nations System</td>
<td>3</td>
</tr>
<tr>
<td>POL 443</td>
<td>Introduction to International Political Risk</td>
<td>3</td>
</tr>
<tr>
<td>POL 446</td>
<td>Model UN: International Diplomacy</td>
<td>3</td>
</tr>
</tbody>
</table>

**Comparative politics**

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>POL 234</td>
<td>Comparative Political Systems</td>
<td>3</td>
</tr>
<tr>
<td>POL 330</td>
<td>Politics of Developing Areas</td>
<td>3</td>
</tr>
<tr>
<td>POL 331</td>
<td>Politics of Democratization</td>
<td>3</td>
</tr>
<tr>
<td>POL 333</td>
<td>Asian Government and Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 334</td>
<td>Post-Communist Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 336</td>
<td>Middle Eastern Government and Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 337</td>
<td>African Government and Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 338</td>
<td>European Government and Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 339</td>
<td>Contemporary Latin America</td>
<td>3</td>
</tr>
<tr>
<td>POL 405</td>
<td>Women and Politics in the Middle East</td>
<td>3</td>
</tr>
<tr>
<td>POL 433</td>
<td>Women and Politics in Asia</td>
<td>3</td>
</tr>
<tr>
<td>POL 437</td>
<td>Women and Politics in Africa</td>
<td>3</td>
</tr>
<tr>
<td>POL 439</td>
<td>Women and Politics in Latin America</td>
<td>3</td>
</tr>
</tbody>
</table>

**Degree requirements**

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 177)
- Baccalaureate degree requirements (p. 178)

**CLS Bachelor of Arts core requirements**

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:
1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track

1. Native speakers of English complete:
   Select one of the following:
   - CHI 202 Intermediate Chinese II
   - FRE 202 Intermediate French II
   - GER 202 Intermediate German II
   - RUS 202 Intermediate Russian II
   - SPA 202 Intermediate Spanish II
   - MLG 202 World Languages: Intermediate II
   - MLG 204 Heritage Language: Intermediate
   - MLG 304 Heritage Language: Advanced

   Non-native speakers of English: score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university’s English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and at least one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations); and

2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

B. Humanities track

1. One modern language course 102 or higher or an Office of International Education approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

C. Fine arts track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32.).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.
No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Political Science Major - Bachelor of Science (BS)

Major requirements
(All colleges, excluding teacher certification programs)

36 credits

Each student majoring in political science should consult the current advising handbook and a faculty member before selecting a course of study.

Must have 18 credits of 300/400 level of political science courses applicable to major.

Political science foundation:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 101</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>POL 201</td>
<td>Introduction to Political Science</td>
<td>3</td>
</tr>
<tr>
<td>POL 361</td>
<td>Research Methods in Politics and Government</td>
<td>3</td>
</tr>
<tr>
<td>POL 494</td>
<td>Senior Capstone Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

Political science subfields: Select one course in three of the following four subfields (see below): 9

- American politics
- Legal studies
- Political philosophy
- Public policy/public administration

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 102</td>
<td>State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>POL 205</td>
<td>Women and Politics (ES)</td>
<td>3</td>
</tr>
<tr>
<td>POL 215</td>
<td>Politics and Film</td>
<td>3</td>
</tr>
<tr>
<td>POL 300</td>
<td>Urban Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 301</td>
<td>American Presidency</td>
<td>3</td>
</tr>
<tr>
<td>POL 302</td>
<td>Legislative Process</td>
<td>3</td>
</tr>
<tr>
<td>POL 303</td>
<td>Wisconsin Government and Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 304</td>
<td>Politics and the Media</td>
<td>3</td>
</tr>
<tr>
<td>POL 305</td>
<td>Political Parties</td>
<td>3</td>
</tr>
<tr>
<td>POL 307</td>
<td>Political Language and Communications</td>
<td>3</td>
</tr>
<tr>
<td>POL 342</td>
<td>Identity Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 365</td>
<td>Public Opinion and Political Behavior</td>
<td>3</td>
</tr>
</tbody>
</table>

Political science electives: Select 12 credits in any Political Science course: 12

Total Credits 36

1 MTH 145 Elementary Statistics (4 cr.) is a required prerequisite of POL 361 Research Methods in Politics and Government (3 cr.).

2 A maximum of nine credits from course numbers POL 370, POL 371, POL 372, POL 373, POL 374, POL 375, POL 376, POL 377 may be counted toward the major.

American politics

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 202</td>
<td>Civic Engagement and the Wisconsin Idea</td>
<td>3</td>
</tr>
<tr>
<td>POL 472</td>
<td>Interest Group Politics</td>
<td>3</td>
</tr>
</tbody>
</table>

Legal studies

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 221</td>
<td>The American Legal System</td>
<td>3</td>
</tr>
<tr>
<td>POL 222</td>
<td>Law, Governance and Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 306</td>
<td>Judicial Process</td>
<td>3</td>
</tr>
<tr>
<td>POL 326</td>
<td>Mock Trial I: Trial Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>POL 329</td>
<td>Mock Trial II: Preparation</td>
<td>2</td>
</tr>
<tr>
<td>POL 370</td>
<td>Constitutional Law I: Powers of Government</td>
<td>3</td>
</tr>
<tr>
<td>POL 371</td>
<td>Constitutional Law II: The First Amendment</td>
<td>3</td>
</tr>
<tr>
<td>POL 372</td>
<td>Constitutional Law III: Racial, Gender and Targeted Group Discrimination</td>
<td>3</td>
</tr>
<tr>
<td>POL 373</td>
<td>Constitutional Law IV: Rights of the Accused</td>
<td>3</td>
</tr>
<tr>
<td>POL 374</td>
<td>Constitutional Law V: Right to Life</td>
<td>3</td>
</tr>
<tr>
<td>POL 375</td>
<td>Constitutional Law VI: Criminal Procedure</td>
<td>3</td>
</tr>
<tr>
<td>POL 376</td>
<td>Constitutional Law VII: Administrative Law</td>
<td>3</td>
</tr>
<tr>
<td>POL 377</td>
<td>Constitutional Law VIII: 1787 and Original Intent</td>
<td>3</td>
</tr>
</tbody>
</table>

Political philosophy

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 251</td>
<td>Justice, Power, and Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 350</td>
<td>American Political Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>POL 351</td>
<td>Classical Political Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>POL 353</td>
<td>Modern and Contemporary Political Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>POL 355</td>
<td>Political Ideologies</td>
<td>3</td>
</tr>
</tbody>
</table>

Public policy/public administration

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 211</td>
<td>Introduction to Public Administration</td>
<td>3</td>
</tr>
<tr>
<td>POL 311</td>
<td>Public Personnel Administration</td>
<td>3</td>
</tr>
<tr>
<td>POL 312</td>
<td>Public Budgeting and Finance</td>
<td>3</td>
</tr>
<tr>
<td>POL 313</td>
<td>Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>POL 314</td>
<td>Urban Administration and Politics</td>
<td>3</td>
</tr>
<tr>
<td>POL 315</td>
<td>Special Topics in Public Administration</td>
<td>3</td>
</tr>
<tr>
<td>POL 316</td>
<td>Ethics Management in Government</td>
<td>3</td>
</tr>
<tr>
<td>POL 317</td>
<td>Health Policy</td>
<td>3</td>
</tr>
<tr>
<td>POL 318</td>
<td>Environmental Politics and Policymaking</td>
<td>3</td>
</tr>
<tr>
<td>POL 416</td>
<td>Nonprofit Organizations</td>
<td>3</td>
</tr>
<tr>
<td>POL 420</td>
<td>Health Administration</td>
<td>3</td>
</tr>
</tbody>
</table>

International relations

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 202</td>
<td>Contemporary Global Issues</td>
<td>3</td>
</tr>
<tr>
<td>POL 244</td>
<td>Global Political Systems</td>
<td>3</td>
</tr>
<tr>
<td>POL 340</td>
<td>American Foreign Policy</td>
<td>3</td>
</tr>
<tr>
<td>POL 341</td>
<td>America and the World</td>
<td>3</td>
</tr>
<tr>
<td>POL 344</td>
<td>Politics of Global Governance</td>
<td>3</td>
</tr>
<tr>
<td>POL 345</td>
<td>International Law</td>
<td>3</td>
</tr>
<tr>
<td>POL 346</td>
<td>Model UN: The United Nations System</td>
<td>3</td>
</tr>
</tbody>
</table>
POL 443 Introduction to International Political Risk  3
POL 446 Model UN: International Diplomacy  3

**Comparative politics**

POL 234 Comparative Political Systems  3
POL 330 Politics of Developing Areas  3
POL 331 Politics of Democratization  3
POL 333 Asian Government and Politics  3
POL 334 Post-Communist Politics  3
POL 336 Middle Eastern Government and Politics  3
POL 337 African Government and Politics  3
POL 338 European Government and Politics  3
POL 339 Contemporary Latin America  3
POL 405 Women and Politics in the Middle East  3
POL 433 Women and Politics in Asia  3
POL 437 Women and Politics in Africa  3
POL 439 Women and Politics in Latin America  3

**Degree requirements**

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 180)
- Baccalaureate degree requirements (p. 180)

**CLS Bachelor of Science core requirements**

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE02, category 2).

**Bachelor of Science students complete four courses outside the department of the student’s major as follows:**

1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 339); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

**Baccalaureate degrees**

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.
students have access to the AR. All enrolled candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last term of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA.¹ At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA¹ in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

¹ Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Political Science Education Major (Early Adolescence-Adolescence Certification) - BS

Major requirements
Admission requirements for STEP Program (p. 403)
(Teacher certification program: early-adolescence-adolescence)

<table>
<thead>
<tr>
<th>37 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 101 American National Government</td>
</tr>
<tr>
<td>POL 102 State and Local Government</td>
</tr>
<tr>
<td>POL 201 Introduction to Political Science</td>
</tr>
<tr>
<td>POL 202 Contemporary Global Issues</td>
</tr>
<tr>
<td>POL 300 Urban Politics</td>
</tr>
<tr>
<td>POL 353 Modern and Contemporary Political Philosophy</td>
</tr>
<tr>
<td>POL 371 Constitutional Law II: The First Amendment</td>
</tr>
<tr>
<td>POL 372 Constitutional Law III: Racial, Gender and Targeted Group Discrimination</td>
</tr>
<tr>
<td>POL 375 Constitutional Law VI: Criminal Procedure</td>
</tr>
<tr>
<td>POL 408 Teaching and Learning History &amp; Social Studies in the Secondary School</td>
</tr>
<tr>
<td>POL 495 Seminar</td>
</tr>
<tr>
<td>Electives in political science</td>
</tr>
<tr>
<td>Total Credits</td>
</tr>
</tbody>
</table>

Teacher certification candidates must also complete GEO 200 Conservation of Global Environments (3 cr.) and EFN 200 Cooperatives (1 cr.) to fulfill statutory licensing requirements. Credits do not count toward the political science education major.

Additional teacher education requirements are listed in the STEP program core (p. 403).

Degree requirements
All students must complete the general education, college core (waived for teacher certification programs), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- Baccalaureate degree requirements (p. 181)

Public Administration Major - Bachelor of Arts (BA)

Major requirements
(All colleges)

<table>
<thead>
<tr>
<th>36 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core courses</td>
</tr>
<tr>
<td>POL 211 Introduction to Public Administration</td>
</tr>
<tr>
<td>POL 312 Public Budgeting and Finance</td>
</tr>
<tr>
<td>POL 450 Internship in Government and Politics</td>
</tr>
<tr>
<td>POL 494 Senior Capstone Seminar</td>
</tr>
<tr>
<td>ECO 120 Global Macroeconomics or ECO 110 Microeconomics and Public Policy</td>
</tr>
<tr>
<td>Managerial and organizational skills group</td>
</tr>
<tr>
<td>Select three credits of the following:</td>
</tr>
<tr>
<td>MGT 301 Public Personnel Administration</td>
</tr>
<tr>
<td>POL 316 Ethics Management in Government</td>
</tr>
<tr>
<td>POL 416 Nonprofit Organizations</td>
</tr>
<tr>
<td>MGT 303 Principles of Labor-Management Relations</td>
</tr>
<tr>
<td>MGT 308 Behavior and Theory in Organizations</td>
</tr>
</tbody>
</table>
American policy/implementation/evaluation

PSY 376  Industrial/Organizational Psychology
ECO 310  Managerial Economics
ECO 402  Public Sector Economics

Policy analysis group
Select three credits of the following: 3
  POL 300  Urban Politics
  POL 313  Public Policy
  POL 314  Urban Administration and Politics

Research tool group
POL 361  Research Methods in Politics and Government 3

Areas of specialization group
Students may specialize in one area or take upper division courses in two or three different areas. See below. 2

Total Credits 36

Areas of specialization group
The following specialization courses are in addition to courses taken for core courses, managerial and organizational skills group, policy analysis group, and research tool group above:

Financial administration
FIN 355  Principles of Financial Management 3
ACC 435  Governmental and Institutional Accounting 3
ECO 310  Managerial Economics 3
ECO 402  Public Sector Economics 3

Urban management/planning
POL 300  Urban Politics 3
POL 314  Urban Administration and Politics 3
POL 315  Special Topics in Public Administration 3
POL 410  Civic Engagement and the Wisconsin Idea 3
GEO 307  Political Geography 3
GEO 309  Urban Geography 3
SOC 311  Rural and Urban Sociology 3

Health administration
POL 317  Health Policy 3
POL 420  Health Administration 3
ECO 471  Health Economics 3
FIN 465  Health Care Financing 3
CHE 340  Epidemiology and Community Health Problems 3
CHE 453  Cultural Issues in Health Education: Ethnic, Racial, Religious and Family Groups
CHE 460  Medical Terminology for Health Education 1
HED 486  Introduction to International Health 1
SOC 325  Sociology of Mental Illness 3
SOC 420  Health Care and Illness 3

Personnel
POL 311  Public Personnel Administration 3
MGT 303  Principles of Labor-Management Relations 3
MGT 385  Human Resources: Employment 3
MGT 386  Compensation and Benefits Administration 3
MGT 486  Human Resources: Current Issues and Policies 3
PSY 343  Group Dynamics 3
PSY 376  Industrial/Organizational Psychology 3

Highly recommended general education and elective courses
ACC 221  Accounting Principles I 3
or ACC 235  Survey of Accounting
CS 101  Introduction to Computing 4
MTH 145  Elementary Statistics 4
ENG 303  Advanced Composition 3
ENG 307  Writing for Management, Public Relations and the Professions
CST 210  Presentational Speaking 3
CST 260  Professional Communication 3
CST 360  Public Relations 3
ECO 110  Microeconomics and Public Policy 3
ECO 120  Global Macroeconomics 3
PSY 100  General Psychology 3
SOC 110  The Social World 3
IS 220  Information Systems for Business Management 4

1  POL 495 Seminar (1-3 cr.) and POL 499 Readings and Research in Political Science (1-3 cr.) must be PA courses consistent with the category it is used in. Permission is required to take POL 495/POL 499 in PA major.

2  CLS college option of not having a minor allows you to take a variety of electives in addition to the three required courses. See faculty adviser to plan your specialization.

Students must possess a cumulative grade point average of 2.50 or above to declare and remain a PA major, and to graduate. Public administration majors in CLS and SAH will be able to complete at most 30 credit hours in the College of Business Administration (accounting, information systems, management, marketing and finance courses). Prerequisite for College of Business Administration upper division courses is junior standing. However, students are strongly encouraged to take either ECO 110 Microeconomics and Public Policy (3 cr.) or ECO 120 Global Macroeconomics (3 cr.) prior to enrolling in those upper division courses. Some of the above courses require prerequisites not included as part of the major. A course can only be used in one category.

Degree requirements
All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.
• General education (p. 50)
• College core (p. 183)
• Baccalaureate degree requirements (p. 183)

**CLS Bachelor of Arts core requirements**

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category RUS, SPA, MLG) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2).

**Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:**

**A. Language track**

1. **Native speakers of English:** complete:
   - Select one of the following:
     - CHI 202 Intermediate Chinese II
     - FRE 202 Intermediate French II
     - GER 202 Intermediate German II
     - RUS 202 Intermediate Russian II
     - SPA 202 Intermediate Spanish II
     - MLG 202 World Languages: Intermediate II
     - MLG 204 Heritage Language: Intermediate
     - MLG 304 Heritage Language: Advanced

2. Two additional courses outside the student’s major in two of the following: humanities, social sciences or fine arts.

**B. Humanities track**

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

**C. Fine arts track**

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

**In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:**

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

**Baccalaureate degrees**

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter
The following specialization courses are in addition to courses taken for core courses, managerial and organizational skills group, policy analysis group, and research tool group above:

**Areas of specialization group**

The following specialization courses are in addition to courses taken for core courses, managerial and organizational skills group, policy analysis group, and research tool group above:

**Financial administration**
- FIN 355 Principles of Financial Management 3
- ACC 435 Governmental and Institutional Accounting 3
- ECO 310 Managerial Economics 3
- ECO 402 Public Sector Economics 3

**Urban management/planning**
- POL 300 Urban Politics 3
- POL 314 Urban Administration and Politics 3
- POL 315 Special Topics in Public Administration 3
- POL 410 Civic Engagement and the Wisconsin Idea 3
- GEO 307 Political Geography 3
- GEO 309 Urban Geography 3
- SOC 311 Rural and Urban Sociology 3

**Health administration**
- POL 317 Health Policy 3
- POL 420 Health Administration 3
- ECO 471 Health Economics 3
- FIN 465 Health Care Financing 3
- CHE 340 Epidemiology and Community Health Problems 3
- CHE 453 Cultural Issues in Health Education: Ethnic, Racial, Religious and Familial Groups 3
- CHE 460 Medical Terminology for Health Education 1
- HED 486 Introduction to International Health 1
- SOC 325 Sociology of Mental Illness 3
- SOC 420 Health Care and Illness 3

**Personnel**
- POL 311 Public Personnel Administration 3
- MGT 303 Principles of Labor-Management Relations 3
- MGT 385 Human Resources: Employment 3
- MGT 386 Compensation and Benefits Administration 3
- MGT 486 Human Resources: Current Issues and Policies 3
- PSY 343 Group Dynamics 3
- PSY 376 Industrial/Organizational Psychology 3

**American policy/implementation/evaluation**
- POL 301 American Presidency 3
- POL 302 Legislative Process 3
- POL 303 Wisconsin Government and Politics 3
- POL 313 Public Policy 3
- POL 316 Ethics Management in Government 3
- POL 318 Environmental Politics and Policymaking 3
- POL 342 Identity Politics 3
- POL 376 Constitutional Law VII: Administrative Law 3
- POL 400 Political Forum 2-3
- POL 410 Civic Engagement and the Wisconsin Idea 3
- POL 416 Nonprofit Organizations 3
- POL 495 Seminar 1 1-3
- POL 499 Readings and Research in Political Science 1 1-3

**Highly recommended general education and elective courses**
- ACC 221 Accounting Principles I 3
- or ACC 235 Survey of Accounting 3
- CS 101 Introduction to Computing 4
- MTH 145 Elementary Statistics 4
- ENG 303 Advanced Composition 3
Bachelor of Science degrees:

- Bachelor of Science core requirements
- Degree requirements

### Bachelor of Science core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.

### Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 185)
- Baccalaureate degree requirements (p. 185)

### Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32.).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).

### Bachelor of Science students complete four courses outside the department of the student’s major as follows:

1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 339); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

---

| ENG 307 | Writing for Management, Public Relations and the Professions | 3 |
| CST 210 | Presentational Speaking | 3 |
| CST 260 | Professional Communication | 3 |
| CST 360 | Public Relations | 3 |
| ECO 110 | Microeconomics and Public Policy | 3 |
| ECO 120 | Global Macroeconomics | 3 |
| PSY 100 | General Psychology | 3 |
| SOC 110 | The Social World | 3 |
| IS 220 | Information Systems for Business Management | 4 |

1. POL 495 Seminar (1-3 cr.) and POL 499 Readings and Research in Political Science (1-3 cr.) must be PA courses consistent with the category it is used in. Permission is required to take POL 495/POL 499 in PA major.
2. CLS college option of not having a minor allows you to take a variety of electives in addition to the three required courses. See faculty adviser to plan your specialization.
3. 30 credit hours in the College of Business Administration (accounting, information systems, management, marketing and finance courses).
4. Prerequisite for College of Business Administration upper division courses is junior standing. However, students are strongly encouraged to take either ECO 110 Microeconomics and Public Policy (3 cr.) or ECO 120 Global Macroeconomics (3 cr.) prior to enrolling in those upper division courses. Some of the above courses require prerequisites not included as part of the major. A course can only be used in one category.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.
College of Liberal Studies (CLS)

final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Social Studies Education (Broad Field) Major (Early Adolescence-Adolescence certification) - BS

Major requirements

Admission requirements for STEP Program (p. 403)

(Teacher certification program: early adolescence-adolescence)

54-64 credits

Choose either Option A (content major) or Option B (content minor) below:

Option A (content major) 57-64 credits

37-44 credit major in geography education, history education, political science education, or sociology education

20 credits, with a minimum of three credits, from any two of the following areas outside of the major:

<table>
<thead>
<tr>
<th>Economics</th>
<th>Geography</th>
</tr>
</thead>
<tbody>
<tr>
<td>History</td>
<td>Political Science</td>
</tr>
<tr>
<td>Psychology</td>
<td>Sociology</td>
</tr>
</tbody>
</table>

Total Credits 57-64

Note: Teacher certification candidates must also complete GEO 200 Conservation of Global Environments and EFN 200 Cooperatives to fulfill statutory licensing requirements. Credits do not count toward the social studies education (broad field) major.

Option B (content minor) 54-60 credits

18-24 credit minor in one of the following:

| Economics Education |
| Geography Education |
| History Education |
| Political Science Education |
| Psychology Education |
| Sociology Education |

32 credits with a minimum of three credits from three of the subject areas outside of the minor selected from the following:

| Economics |
| Geography |
| History |
| Political Science |
| Psychology |
| Sociology |

Total Credits 54-60

Note: Teacher certification candidates must also complete GEO 200 Conservation of Global Environments and EFN 200 Cooperatives to fulfill statutory licensing requirements. Credits do not count toward the social studies education (broad field) major.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.
Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Political Science Minor

(All colleges, excluding teacher certification programs)

24 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 101</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>POL 201</td>
<td>Introduction to Political Science</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POL 361</td>
<td>Research Methods in Politics and Government</td>
<td></td>
</tr>
<tr>
<td>POL 494</td>
<td>Senior Capstone Seminar</td>
<td></td>
</tr>
<tr>
<td>POL 495</td>
<td>Seminar</td>
<td></td>
</tr>
</tbody>
</table>

Electives at the 300/400 level \(^1\) 

Total Credits 24

Each student minoring in political science should consult the current advising handbook and a faculty member before selecting a course of study.

\(^1\) A maximum of six credits from course numbers POL 370, POL 371, POL 372, POL 373, POL 374, POL 375, POL 376, POL 377 may be counted toward the minor.

Political Science Education Minor

(Teacher certification programs)

21 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 101</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>or POL 102</td>
<td>State and Local Government</td>
<td></td>
</tr>
<tr>
<td>POL 201</td>
<td>Introduction to Political Science</td>
<td>3</td>
</tr>
<tr>
<td>POL 202</td>
<td>Comparative Global Issues</td>
<td>3</td>
</tr>
<tr>
<td>or POL 234</td>
<td>Comparative Political Systems</td>
<td></td>
</tr>
<tr>
<td>POL 495</td>
<td>Seminar</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>POL 302</td>
<td>Legislative Process</td>
<td></td>
</tr>
<tr>
<td>POL 305</td>
<td>Political Parties</td>
<td></td>
</tr>
<tr>
<td>POL 371</td>
<td>Constitutional Law II: The First Amendment</td>
<td></td>
</tr>
<tr>
<td>POL 372</td>
<td>Constitutional Law III: Racial, Gender and Targeted Group Discrimination</td>
<td></td>
</tr>
<tr>
<td>POL 375</td>
<td>Constitutional Law VI: Criminal Procedure</td>
<td></td>
</tr>
</tbody>
</table>

Electives in political science \(^1\) 

Total Credits 21

\(^1\) Excluding POL 408

Teacher certification candidates must also complete GEO 200 Conservation of Global Environments (3 cr.) and EFN 200 Cooperatives (1 cr.) to fulfill statutory licensing requirements (credits do not count toward the political science education minor); in addition, early adolescence-adolescence candidates must also complete POL 408 Teaching and Learning History & Social Studies in the Secondary School (4 cr.) unless a major in social studies education (broad field), geography education, history education, or sociology education is completed.

Public Administration Minor

(All colleges)

21 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 102</td>
<td>State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>POL 211</td>
<td>Introduction to Public Administration</td>
<td>3</td>
</tr>
<tr>
<td>POL 450</td>
<td>Internship in Government and Politics</td>
<td>6</td>
</tr>
<tr>
<td>Select nine credits of the following:</td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>ECO 402</td>
<td>Public Sector Economics</td>
<td></td>
</tr>
<tr>
<td>POL 300</td>
<td>Urban Politics</td>
<td></td>
</tr>
<tr>
<td>or POL 314</td>
<td>Urban Administration and Politics</td>
<td></td>
</tr>
<tr>
<td>POL 311</td>
<td>Public Personnel Administration</td>
<td></td>
</tr>
<tr>
<td>POL 312</td>
<td>Public Budgeting and Finance</td>
<td></td>
</tr>
<tr>
<td>POL 313</td>
<td>Public Policy</td>
<td></td>
</tr>
<tr>
<td>POL 315</td>
<td>Special Topics in Public Administration</td>
<td></td>
</tr>
<tr>
<td>POL 316</td>
<td>Ethics Management in Government</td>
<td></td>
</tr>
<tr>
<td>POL 317</td>
<td>Health Policy</td>
<td></td>
</tr>
<tr>
<td>POL 318</td>
<td>Environmental Politics and Policymaking</td>
<td></td>
</tr>
<tr>
<td>POL 376</td>
<td>Constitutional Law VII: Administrative Law</td>
<td></td>
</tr>
<tr>
<td>POL 416</td>
<td>Nonprofit Organizations</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 21

POL 101 American National Government (3 cr.) is a prerequisite to the minor.

POL 300 Urban Politics (3 cr.), POL 311 Public Personnel Administration (3 cr.), POL 312 Public Budgeting and Finance (3 cr.), POL 313 Public Policy (3 cr.), POL 314 Urban Administration and Politics (3 cr.), POL 316 Ethics Management in Government (3 cr.), POL 317 Health Policy (3 cr.), POL 318 Environmental Politics and Policymaking (3 cr.), POL 376 Constitutional Law VII: Administrative Law (3 cr.), POL 416 Nonprofit Organizations (3 cr.) and six credits of POL 450 Internship in Government and Politics (1-12 cr.) may not be counted toward a major in political science if they are included as electives for this minor.

Criminal Justice Minor

(All colleges)

21 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 324</td>
<td>Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>Select six credits of the following:</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>SOC 313</td>
<td>Law and Society</td>
<td></td>
</tr>
<tr>
<td>SOC 321</td>
<td>Delinquency</td>
<td></td>
</tr>
<tr>
<td>SOC 322</td>
<td>Criminology</td>
<td></td>
</tr>
<tr>
<td>SOC 323</td>
<td>Corrections and Penology</td>
<td></td>
</tr>
<tr>
<td>SOC 325</td>
<td>Sociology of Mental Illness</td>
<td></td>
</tr>
<tr>
<td>SOC 326</td>
<td>Sociopharmacology</td>
<td></td>
</tr>
<tr>
<td>SOC 330</td>
<td>Social Psychology</td>
<td></td>
</tr>
<tr>
<td>SOC 429</td>
<td>Sociology of Deviance</td>
<td></td>
</tr>
</tbody>
</table>

Select six credits of the following: 6
Program

The minimum requirements are:

1. Admission
   a. Junior standing
   b. Twelve credits in the major
   c. Cumulative grade point average of 3.25 in the major
   d. Recommendation of two faculty members from the department

2. Program
   a. Completion of the regular major
   b. Completion of POL 361 Research Methods in Politics and Government, POL 496 Honors Seminar, and POL 498 Honors/Graduate Reading & Research in Political Science
   c. Passing of a terminal examination

3. Evaluation
   a. Cumulative 3.50 grade point average in the major and a cumulative 3.25 overall grade point average at graduation
   b. Distinguished performance on a paper or project developed in POL 496
   c. Presentation of paper or project to a colloquium of faculty and students
   d. Superior performance on a terminal examination in conjunction with POL 498

Psychology (PSY)

College of Liberal Studies
Department Chair: Betsy Morgan, Ph.D.
335A Graff Main Hall; 608.785.6880
E-mail: bmorgan@uwlax.edu

www.uwlax.edu/psychology

Psychology Advising Office
343 Graff Main Hall
608.785.6880

The undergraduate program in psychology at UW-La Crosse provides an excellent grounding in the discipline of psychology. The Department of Psychology offers courses in several important subfields within psychology including developmental, educational, experimental, social, clinical, counseling, and cross-cultural. The psychology major is one of the most popular majors on campus. There are approximately 675 students pursuing a psychology major and 250 students pursuing a psychology minor. Graduating seniors report high levels of employment and approximately 30% of psychology undergraduates go on to graduate school. The major provides a strong grounding in both the liberal arts and the scientific method. Psychology students are particularly encouraged to pursue fieldwork, internships and/or research experience. Every year, a select number of advanced students present independent research projects at regional conferences. Overall, psychology is a solid liberal arts major that allows students a variety of career opportunities.

Admission to program

Students who wish to declare psychology as a major must complete Milestone #1 described below. In addition, in order to progress through the required courses associated with the major, students must also complete Milestone #2 described below. (This milestone must be met before enrolling in PSY 331).

- Milestone #1 = Complete online “new major” tutorial, have earned fewer than 75 credits, and complete a face-to-face meeting with a member of the psychology advising team in the Psychology Advising Center. If a student has earned 75+ credits and wishes to declare psychology as a first major, the student must also receive approval from the department chair by articulating a compelling reason why a major in psychology is necessary for the student’s goals. A student may not declare psychology as a second major if they have already earned 75 credits. (This milestone must be met prior to enrolling in PSY 331).

- Milestone #2 = Earn a “C” or better in PSY 100 and MTH 145; complete ENG 110 and CST 110; have a combined GPA of at least 2.25 for these four courses; and complete a minimum of 30 credits. If PSY 100 and/or MTH 145 have not been completed in the past seven years with a “C” or better, students interested in declaring psychology as a major will need to audit and pass these courses to complete Milestone #2.

Students transferring to UW-L with a college parallel associate degree may satisfy Milestone #2 by transferring PSY 100 and MTH 145 with
grades of "C" or better (or by taking those courses at UW-L and earning "C" or better). The other components of Milestone #2 will be waived: ENG 110 and CST 110; GPA of 2.25 for PSY 100, MTH 145, ENG 110, and CST 110; 30 credit earned minimum.

Credit by examination
Students may earn credit by examination for PSY 100 General Psychology (3 cr.). The following examinations are acceptable: Advanced Placement Program (AP) in psychology with a score of 3, 4, or 5; the "Higher Level" International Baccalaureate (IB) with a score of 4 or above; or the College Level Examination Program (CLEP) with a score of 47 or above. Students should contact the Counseling and Testing Center for information about CLEP; however, once a student has enrolled in PSY 100 they may not petition to earn credit with a CLEP exam.

General education writing emphasis
This department incorporates a significant amount of writing through the required courses instead of identifying particular courses as writing emphasis courses. Students who complete a major in this department will fulfill the general education writing emphasis requirement (p. 50).

Our people
Professor
Tracie Blumentritt
Betty Deboer
Charles Martin-Stanley
Betsy Morgan (http://www2.uwlax.edu/profile/bmorgan)
Carol Oyster

Associate Professor
Melanie Cary
Emily Johnson
Ryan McKelley
Jocelyn (Joci) Newton
Casey Tobin
Bart VanVoorhis

Assistant Professor
Bianca Basten
Grace Deason
Robert Dixon
Dan Hyson
Katherine (Katy) Kortenkamp
Tesa Marshik
Alexander O’Brien (http://www2.uwlax.edu/profile/aobrien)
Alessandro Quartiroli

Ellen Rozek
Jessica Sim
Erica Srinivasan
Suthakaran (Sutha) Veerasamy
Jennifer Wang

Senior Lecturer
Lisa Caya

Associate Lecturer
Marc Kayson
Jon Marin
Jeff Reiland
Mary Jo Snow

Advising
Katherine Elgin

Administrative Support
Sheri Craig
Teresa Znidarsich

Majors

• Psychology major - BA (p. 189)
• Psychology major - BS (p. 192)
• Dual degree program in psychology and occupational therapy (p. 194)

Minors

• Psychology minor (p. 197) (liberal studies, science and health)
• Psychology minor (p. 197) (business)
• Psychology education minor (early adolescence-adolescence certification) - BS (p. 197)

Honors

• Psychology honors program (p. 198)

Psychology Major - Bachelor of Arts (BA)

Major requirements
Admission requirements (p. 188)

(All colleges)
39 credits - Select courses as listed in the following ten categories. Credits not used from categories II, III, V, VI and VII may be used in categories IX and X as electives. MTH 145 Elementary Statistics is also required.

The department strongly recommends that all psychology students take PSY 331 late in their sophomore year or early in their junior year. Once
students have declared psychology as a major, they should plan on at least four semesters to complete the sequence of courses necessary for graduation with a psychology major. This does not include the time it takes to complete general education credits or credits necessary for a minor. We also recommend that students seriously consider taking PSY 200 early in their psychology careers and that students consider volunteer work and/or fieldwork as an important part of their psychological training. The psychology major provides solid training in the liberal arts and in research methods.

Students must complete the psychology milestones and declare the psychology major in order to enroll in key major courses that are prerequisites to other courses.

I. General psychology

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 100</td>
<td>General Psychology (required course)</td>
<td>3</td>
</tr>
<tr>
<td>(PSY 200 is strongly recommended in addition to the required PSY 100)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

II. Experimental and research methods

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 145</td>
<td>Elementary Statistics</td>
<td>4</td>
</tr>
<tr>
<td>PSY 331</td>
<td>Experimental Psychology: Lecture and Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>PSY 420</td>
<td>Advanced Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>or PSY 451</td>
<td>Psychological Measurement</td>
<td></td>
</tr>
</tbody>
</table>

III. Psychopathology/social/personality

Select two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 204</td>
<td>Abnormal Psychology</td>
<td>1</td>
</tr>
<tr>
<td>PSY 241</td>
<td>Social Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 303</td>
<td>Personality Theories, Models and Measures</td>
<td>1</td>
</tr>
</tbody>
</table>

IV. Developmental psychology

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 210</td>
<td>Developmental Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

Three additional credits recommended from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 355</td>
<td>Infancy and Early Childhood</td>
<td></td>
</tr>
<tr>
<td>PSY 356</td>
<td>The School-aged Child</td>
<td></td>
</tr>
<tr>
<td>PSY 357</td>
<td>Adolescence</td>
<td></td>
</tr>
<tr>
<td>PSY 358</td>
<td>Adulthood</td>
<td></td>
</tr>
</tbody>
</table>

V. Cognition

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 335</td>
<td>Learning and Memory</td>
<td>4</td>
</tr>
<tr>
<td>PSY 435</td>
<td>Cognitive Processes</td>
<td></td>
</tr>
<tr>
<td>PSY 436</td>
<td>Psychology of Language</td>
<td></td>
</tr>
</tbody>
</table>

VI. Biological bases of behavior

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 430</td>
<td>Biopsychology</td>
<td></td>
</tr>
<tr>
<td>PSY 431</td>
<td>The Study of Consciousness</td>
<td></td>
</tr>
<tr>
<td>PSY 434</td>
<td>Clinical Neuropsychology</td>
<td></td>
</tr>
<tr>
<td>PSY 439</td>
<td>Sensation &amp; Perception</td>
<td></td>
</tr>
<tr>
<td>PSY 440</td>
<td>Psychopharmacology</td>
<td></td>
</tr>
<tr>
<td>PSY 459</td>
<td>Genes and Behavior</td>
<td></td>
</tr>
</tbody>
</table>

VII. Application courses

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 302</td>
<td>Environmental Issues: Applied Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 315</td>
<td>Behavior Modification</td>
<td></td>
</tr>
<tr>
<td>PSY 334</td>
<td>Health Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 343</td>
<td>Group Dynamics</td>
<td></td>
</tr>
<tr>
<td>PSY 347</td>
<td>Empathic Listening Skills</td>
<td></td>
</tr>
<tr>
<td>PSY 370</td>
<td>Educational Psychology</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 376</td>
<td>Industrial/Organizational Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 377</td>
<td>Psychology and Law</td>
<td></td>
</tr>
</tbody>
</table>

VIII. Experiential

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 308</td>
<td>Research Apprenticeship</td>
<td>1</td>
</tr>
<tr>
<td>PSY 309</td>
<td>Volunteer Experience in Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 405</td>
<td>Teaching Apprenticeship in Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 450</td>
<td>Fieldwork Experience in Psychology: Undergraduate Internship</td>
<td></td>
</tr>
<tr>
<td>PSY 481</td>
<td>Individual Projects in Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 482</td>
<td>Honors Projects in Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 485</td>
<td>Appraising Psychology Seminar</td>
<td></td>
</tr>
</tbody>
</table>

IX. General elective

Select three credits from the following or any additional 200-300 level credits from categories III or VII:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 200</td>
<td>Orientation to the Psychology Major</td>
<td></td>
</tr>
<tr>
<td>PSY 205</td>
<td>Effective Behavior</td>
<td></td>
</tr>
<tr>
<td>PSY 259</td>
<td>Girls and Women in Sport</td>
<td></td>
</tr>
<tr>
<td>PSY 282</td>
<td>Cross-Cultural Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 285</td>
<td>Culture and Mental Health: An Applied Perspective (ES) 3</td>
<td></td>
</tr>
<tr>
<td>PSY 291</td>
<td>Contemporary Topics in Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY/PHL 301</td>
<td>Theory of Knowledge</td>
<td></td>
</tr>
<tr>
<td>PSY 305</td>
<td>Human Sexuality</td>
<td></td>
</tr>
<tr>
<td>PSY 307</td>
<td>Intimate Relationships</td>
<td></td>
</tr>
<tr>
<td>PSY 318</td>
<td>Psychology of Women (ES)</td>
<td>3</td>
</tr>
<tr>
<td>PSY 319</td>
<td>Men and Masculinities</td>
<td></td>
</tr>
<tr>
<td>PSY 320</td>
<td>Human Motivation</td>
<td></td>
</tr>
<tr>
<td>PSY/PHL 333</td>
<td>Philosophy of Mind</td>
<td></td>
</tr>
<tr>
<td>PSY 355</td>
<td>Infancy and Early Childhood</td>
<td></td>
</tr>
<tr>
<td>PSY 356</td>
<td>The School-aged Child</td>
<td></td>
</tr>
<tr>
<td>PSY 357</td>
<td>Adolescence</td>
<td></td>
</tr>
<tr>
<td>PSY 358</td>
<td>Adulthood</td>
<td></td>
</tr>
<tr>
<td>PSY 359</td>
<td>Aging and the Elderly</td>
<td></td>
</tr>
<tr>
<td>PSY 360</td>
<td>Cross Cultural Human Development</td>
<td></td>
</tr>
<tr>
<td>PSY 391</td>
<td>Contemporary Topics in Psychology: Intermediate</td>
<td></td>
</tr>
</tbody>
</table>

X. Advanced electives

Select one of the following or any additional 400 level credits from categories II, V, or VI:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 403</td>
<td>Advanced Psychopathology</td>
<td></td>
</tr>
<tr>
<td>PSY 404</td>
<td>Counseling Theories</td>
<td></td>
</tr>
<tr>
<td>PSY 406</td>
<td>Positive Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 407</td>
<td>Children’s Cognition</td>
<td></td>
</tr>
<tr>
<td>PSY 410</td>
<td>Advanced Developmental Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 415</td>
<td>Multicultural Counseling</td>
<td></td>
</tr>
<tr>
<td>PSY 417</td>
<td>Child and Adolescent Psychopathology</td>
<td></td>
</tr>
<tr>
<td>PSY 422</td>
<td>Death, Grief, and Bereavement</td>
<td></td>
</tr>
<tr>
<td>PSY 426</td>
<td>Addictive Behaviors</td>
<td></td>
</tr>
<tr>
<td>PSY 441</td>
<td>Advanced Social Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 442</td>
<td>Racism and Oppression</td>
<td></td>
</tr>
<tr>
<td>PSY 443</td>
<td>Prejudice and Stigma</td>
<td></td>
</tr>
<tr>
<td>PSY 461</td>
<td>History and Systems of Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 489</td>
<td>Honors Seminar</td>
<td></td>
</tr>
</tbody>
</table>
Degree requirements

All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• College core (p. 191)
• Baccalaureate degree requirements (p. 192)

CLS Bachelor of Arts core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLSP/BA%20and%20BS%20Core %20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHI 202</td>
<td>Intermediate Chinese II</td>
</tr>
<tr>
<td>FRE 202</td>
<td>Intermediate French II</td>
</tr>
<tr>
<td>GER 202</td>
<td>Intermediate German II</td>
</tr>
<tr>
<td>RUS 202</td>
<td>Intermediate Russian II</td>
</tr>
<tr>
<td>SPA 202</td>
<td>Intermediate Spanish II</td>
</tr>
<tr>
<td>MLG 202</td>
<td>World Languages: Intermediate II</td>
</tr>
<tr>
<td>MLG 204</td>
<td>Heritage Language: Intermediate</td>
</tr>
<tr>
<td>MLG 304</td>
<td>Heritage Language: Advanced</td>
</tr>
</tbody>
</table>

Non-native speakers of English: score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university’s English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations); and

2. Two additional courses outside of the student's major in two of the following: humanities, social sciences or fine arts.

B. Humanities track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

C. Fine arts track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must
be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees
Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Psychology Major - Bachelor of Science (BS)

Major requirements
Admission requirements (p. 188)

(All colleges)

39 credits - Select courses as listed in the following ten categories. Credits not used from categories II, III, V, VI and VII may be used in categories IX and X as electives. MTH 145 Elementary Statistics is also required.

The department strongly recommends that all psychology students take PSY 331 late in their sophomore year or early in their junior year. Once students have declared psychology as a major, they should plan on at least four semesters to complete the sequence of courses necessary for graduation with a psychology major. This does not include the time it takes to complete general education credits or credits necessary for a minor. We also recommend that students seriously consider taking PSY 200 early in their psychology careers and that students consider volunteer work and/or fieldwork as an important part of their psychological training. The psychology major provides solid training in the liberal arts and in research methods.

Students must complete the psychology milestones and declare the psychology major in order to enroll in key major courses that are prerequisites to other courses.

I. General psychology

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 100</td>
<td>General Psychology (required course)</td>
<td>3</td>
</tr>
<tr>
<td>(PSY 200 is strongly recommended in addition to the required PSY 100)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

II. Experimental and research methods

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 145</td>
<td>Elementary Statistics</td>
<td>4</td>
</tr>
<tr>
<td>PSY 331</td>
<td>Experimental Psychology: Lecture and Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>PSY 420</td>
<td>Advanced Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>or PSY 451</td>
<td>Psychological Measurement</td>
<td></td>
</tr>
</tbody>
</table>

III. Psychopathology/social/personality

Select two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 204</td>
<td>Abnormal Psychology</td>
<td>1</td>
</tr>
<tr>
<td>PSY 241</td>
<td>Social Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 303</td>
<td>Personality Theories, Models and Measures</td>
<td>1</td>
</tr>
</tbody>
</table>

IV. Developmental psychology

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 210</td>
<td>Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Three additional credits recommended from:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSY 355</td>
<td>Infancy and Early Childhood</td>
<td></td>
</tr>
<tr>
<td>PSY 356</td>
<td>The School-aged Child</td>
<td></td>
</tr>
<tr>
<td>PSY 357</td>
<td>Adolescence</td>
<td></td>
</tr>
<tr>
<td>PSY 358</td>
<td>Adulthood</td>
<td></td>
</tr>
</tbody>
</table>

V. Cognition

Select one of the following:

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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 335</td>
<td>Learning and Memory</td>
<td>4</td>
</tr>
<tr>
<td>PSY 435</td>
<td>Cognitive Processes</td>
<td></td>
</tr>
<tr>
<td>PSY 436</td>
<td>Psychology of Language</td>
<td></td>
</tr>
</tbody>
</table>

VI. Biological bases of behavior

Select one of the following:

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<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Clinical Neuropsychology</td>
<td></td>
</tr>
<tr>
<td>PSY 439</td>
<td>Sensation &amp; Perception</td>
<td></td>
</tr>
<tr>
<td>PSY 440</td>
<td>Psychopharmacology</td>
<td></td>
</tr>
<tr>
<td>PSY 459</td>
<td>Genes and Behavior</td>
<td></td>
</tr>
</tbody>
</table>

VII. Application courses

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
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<td>Environmental Issues: Applied Psychology</td>
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<td>Behavior Modification</td>
<td></td>
</tr>
<tr>
<td>PSY 334</td>
<td>Health Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 343</td>
<td>Group Dynamics</td>
<td></td>
</tr>
<tr>
<td>PSY 347</td>
<td>Empathic Listening Skills</td>
<td></td>
</tr>
<tr>
<td>PSY 370</td>
<td>Educational Psychology</td>
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</tr>
<tr>
<td>PSY 376</td>
<td>Industrial/Organizational Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 377</td>
<td>Psychology and Law</td>
<td></td>
</tr>
</tbody>
</table>

VIII. Experiential

Select one of the following:

1
PSY 308 Research Apprenticeship
PSY 309 Volunteer Experience in Psychology
PSY 405 Teaching Apprenticeship in Psychology
PSY 450 Fieldwork Experience in Psychology: Undergraduate Internship
PSY 481 Individual Projects in Psychology
PSY 482 Honors Projects in Psychology
PSY 485 Appraising Psychology Seminar

IX. General elective
Select three credits from the following or any additional 200-300 level credits from categories III or VII:

- PSY 200 Orientation to the Psychology Major
- PSY 205 Effective Behavior
- PSY 259 Girls and Women in Sport
- PSY 282 Cross-Cultural Psychology
- PSY 285 Culture and Mental Health: An Applied Perspective (ES)
- PSY 291 Contemporary Topics in Psychology
- PSY/PHL 301 Theory of Knowledge
- PSY 305 Human Sexuality
- PSY 307 Intimate Relationships
- PSY 318 Psychology of Women (ES)
- PSY 319 Men and Masculinities
- PSY 320 Human Motivation
- PSY/PHL 333 Philosophy of Mind
- PSY 355 Infancy and Early Childhood
- PSY 356 The School-aged Child
- PSY 357 Adolescence
- PSY 358 Adulthood
- PSY 359 Aging and the Elderly
- PSY 360 Cross Cultural Human Development
- PSY 391 Contemporary Topics in Psychology: Intermediate

X. Advanced electives
Select one of the following or any additional 400 level credits from categories II, V, or VI:

- PSY 403 Advanced Psychopathology
- PSY 404 Counseling Theories
- PSY 406 Positive Psychology
- PSY 407 Children’s Cognition
- PSY 410 Advanced Developmental Psychology
- PSY 415 Multicultural Counseling
- PSY 417 Child and Adolescent Psychopathology
- PSY 422 Death, Grief, and Bereavement
- PSY 426 Addictive Behaviors
- PSY 441 Advanced Social Psychology
- PSY 442 Racism and Oppression
- PSY 443 Prejudice and Stigma
- PSY 461 History and Systems of Psychology
- PSY 489 Honors Seminar
- PSY 491 Contemporary Topics in Psychology: Advanced

Total Credits 39

1 Students interested in human service related work or graduate school on clinical/counseling fields should take both PSY 204 and PSY 303 as their courses in this category.

2 The department strongly encourages students to take more than one credit in this category, particularly in PSY 450. This course requires arrangements with the Career Services office and the psychology internship coordinator that must be initiated prior to the start of the semester.

3 May also count toward general education electives.

4 Course is changing from PSY 335 to PSY 432 starting Fall 2014. The new course description is as follows:

PSY 432 Cr.3
Learning and Memory
A study of the fundamental concepts and principles of human and animal learning and contemporary topics in human memory. Specific topics include classical and operant (instrumental) conditioning, concept and skill learning, memory storage, and retrieval, forgetting, and the use of information. Prerequisites: PSY 100; PSY 321 or PSY 331.

Degree requirements
All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• College core (p. 193)
• Baccalaureate degree requirements (p. 194)

CLS Bachelor of Science core requirements
The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.

2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.

3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE02, category 2) may also be used to meet the B.A. and B.S. language requirements.

4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.

5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.

6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).
Bachelor of Science students complete four courses outside the department of the student's major as follows:

1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 339); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student's major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student's major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student's major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees
Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA.1 At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA1 in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Dual Degree Program in Psychology and Occupational Therapy

This is a special dual degree program which enables a student to receive both a Bachelor of Science (psychology major) and a Master of Science degree (occupational therapy) from UW-L. The total length of time for both degrees is expected to be five and one half years plus summers.

Psychology majors with an interest in occupational therapy should declare the pre-professional occupational therapy (OT) track whether or not they are accepted into the dual degree program.

Interested students should read information about the dual degree program on the Occupational Therapy Program (http://uwlax.edu/ot/dual_degree.htm) website. Students should use the recommended course sequence available on the OT website to inform the course selections for their first semester and beyond.

Admission

Interested students need to determine if they have the qualifications to declare the dual degree. To be admitted to the dual degree program, students need to have earned fewer than 60 credits overall, and have a minimum of a 3.00 cumulative GPA (a 3.4+ GPA strongly recommended). First year students need to complete Milestone #1 for the Psychology Program, complete at least two semesters at UW-L, and meet the eligibility requirements as stated above.

Once these requirements have been met, students will meet with an advisor within the Occupational Therapy Program in order to officially declare the program. Students who are transferring into UW-L with previous credits should begin their initial advising process as soon as possible to verify how their transfer credits might interface with the recommended course sequence for the dual degree. Whether a student is an incoming first year student or a transfer student, dual degree students and occupational therapy graduate students are expected to be self-directed, mature, and possessing excellent academic skills and a strong science inclination.

If accepted into the undergraduate dual degree program (psychology and OT) and the graduate Occupational Therapy Program, a student will complete both a bachelor’s and master’s degree at UW-L in approximately five and one half years plus summers. The admissions application process to the graduate program will take place during the dual degree student’s third year of college. Admission to the graduate program is competitive and is not guaranteed for dual degree students.

Requirements

In order to complete their undergraduate degrees in psychology, dual degree students must complete a minimum of 120 credits, including requirements for general education and the College of Liberal Studies core. For dual degree students, the psychology degree and the occupational therapy degree share approximately 12 credits (via specific course substitutions), and the required CLS program option is filled by completing occupational therapy pre-requisites and coursework. This allows for a shorter course sequence, with students typically completing their B.S. in psychology at the conclusion of the spring semester in their fourth year at UW-L as credits from the graduate program are counted...
back toward the undergraduate degree in order to secure the 120 credits needed for graduation.

**Major requirements**

**Admission**

To be admitted to the dual degree program, students need to have the following:

- earned fewer than 60 credits overall,
- and have a minimum of a 3.00 cumulative GPA (a 3.4+ GPA strongly recommended).
- First year students need to complete Milestone #1 for the Psychology Program (p. 188) and complete at least two semesters at UW-L.

**Curriculum**

I. General psychology

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 100</td>
<td>General Psychology (required course)</td>
<td>3</td>
</tr>
</tbody>
</table>

II. Experimental and research methods

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 145</td>
<td>Elementary Statistics</td>
<td>4</td>
</tr>
<tr>
<td>PSY 331</td>
<td>Experimental Psychology: Lecture and Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>OT 750</td>
<td>Scholarly Practice II: Occupational Therapy Research</td>
<td>2</td>
</tr>
</tbody>
</table>

III. Psychopathology/social/personality

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 204</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 241</td>
<td>Social Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

IV. Developmental psychology

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 210</td>
<td>Developmental Psychology</td>
<td>3</td>
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</tbody>
</table>

V. Cognitive

Select two of the following: 6

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 334</td>
<td>Health Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 335</td>
<td>Learning and Memory ¹</td>
<td></td>
</tr>
<tr>
<td>PSY 434</td>
<td>Clinical Neuropsychology</td>
<td></td>
</tr>
<tr>
<td>PSY 435</td>
<td>Cognitive Processes</td>
<td></td>
</tr>
<tr>
<td>PSY 436</td>
<td>Psychology of Language</td>
<td></td>
</tr>
<tr>
<td>PSY 439</td>
<td>Sensation &amp; Perception</td>
<td></td>
</tr>
<tr>
<td>PSY 440</td>
<td>Psychopharmacology</td>
<td></td>
</tr>
</tbody>
</table>

VI. Biological bases of behavior

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OT 515</td>
<td>Functional Neuroanatomy</td>
<td>3</td>
</tr>
</tbody>
</table>

VII. Application courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OT 570</td>
<td>Occupational Therapy Intervention: Group Dynamics</td>
<td>1</td>
</tr>
</tbody>
</table>

VIII. Experiential

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OT 573</td>
<td>Level 1 Fieldwork: Mental Illness</td>
<td>1</td>
</tr>
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</table>

IX. General electives

Select three credits from the following: 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 282</td>
<td>Cross-Cultural Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 285</td>
<td>Culture and Mental Health: An Applied Perspective (ES)</td>
<td></td>
</tr>
<tr>
<td>PSY 360</td>
<td>Cross Cultural Human Development</td>
<td></td>
</tr>
</tbody>
</table>

X. Advanced electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OT 530</td>
<td>Occupational Performance Analysis</td>
<td>2</td>
</tr>
</tbody>
</table>

¹ Course is changing from PSY 335 to PSY 432 starting Fall 2014. The new course description is as follows:

**PSY 432 Cr.3 Learning and Memory**

A study of the fundamental concepts and principles of human and animal learning and contemporary topics in human memory. Specific topics include classical and operant (instrumental) conditioning, concept and skill learning, memory storage, and retrieval, forgetting, and the use of information. Prerequisites: PSY 100; PSY 321 or PSY 331.

**Degree requirements**

All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core for B.S. (p. 195)
- College core for B.A. (p. 196)
- Baccalaureate degree requirements (p. 197)
- Occupational therapy M.S. requirements (http://catalog.uwlax.edu/graduate/programrequirements/occupationaltherapy/occupational-therapy-ms)

**CLS Bachelor of Science requirements**

**CLS Bachelor of Science core requirements**

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2).
Bachelor of Science students complete four courses outside the department of the student’s major as follows:
1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 339); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:
1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

CLS Bachelor of Arts requirements

CLS Bachelor of Arts core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:
1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be outside the student’s major program, consisting of at least 12 credits earned at the 300/400 level. These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track
1. Native speakers of English complete:
   Select one of the following:
   CHI 202 Intermediate Chinese II
   FRE 202 Intermediate French II
   GER 202 Intermediate German II
   RUS 202 Intermediate Russian II
   SPA 202 Intermediate Spanish II
   MLG 202 World Languages: Intermediate II
   MLG 204 Heritage Language: Intermediate
   MLG 304 Heritage Language: Advanced

   Non-native speakers of English: score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university’s English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations); and
2. Two additional courses outside the student’s major in two of the following: humanities, social sciences or fine arts.

B. Humanities track
1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

C. Fine arts track
1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:
1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college.
college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

**UW-L undergraduate degree requirements**

**Baccalaureate degrees**

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

**Psychology Minor**

*(College of Liberal Studies and College of Science and Health)*

21 credits (12 of the 21 credits must be at the 300/400 level.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 100</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 204</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 321</td>
<td>Research Methods for Psychology Minors</td>
<td>3</td>
</tr>
<tr>
<td>PSY 335</td>
<td>Learning and Memory</td>
<td>3</td>
</tr>
<tr>
<td>or PSY 435</td>
<td>Cognitive Processes</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

Total Credits 24

1 excluding PSY 210, PSY 212, PSY 408
2 Course is changing from PSY 335 to PSY 432 starting Fall 2014. The new course description is as follows:

**PSY 432 Cr.3 Learning and Memory**

A study of the fundamental concepts and principles of human and animal learning and contemporary topics in human memory. Specific topics include classical and operant (instrumental) conditioning, concept and skill learning, memory storage, and retrieval, forgetting, and the use of information. Prerequisites: PSY 100; PSY 321 or PSY 331.

Teacher certification candidates must also complete GEO 200 and EFN 200 to fulfill statutory licensing requirements (credits do not count toward the psychology education minor); in addition, early adolescence-adolescence candidates must complete PSY 408 unless a major in social studies education (broad field), geography education, history education, political science education, or sociology education is completed.

Only six credits from general education psychology courses can count toward the minor: PSY 100 and PSY 282 or PSY 285 or PSY 318.
Psychology Honors Program

The Psychology Honors Program is designed to give qualified students the opportunity to develop their understanding of and skills in psychological research. The honors project is an extensive piece of research designed and conducted by the student under the supervision of a faculty adviser. The honors program has two tracks, one for all eligible majors, including sociology and minors in anthropology, archaeology, sociology and criminal justice.

Programs

Requirements for admission to the program:

1. Junior standing
2. Completion of PSY 100, PSY 331, MTH 145 before beginning Honors Seminar. PSY 420 before PSY 489 Honors Seminar or concurrently with PSY 489
3. 3.25 cumulative grade point average in psychology courses
4. A cumulative overall grade point average of 3.00
5. Recommendation from two UW-L faculty members, one of whom must be a psychology instructor
6. Completion of an application to the program

Requirements for earning a degree with honors in psychology are:

1. Completion of psychology major
2. 3.50 cumulative grade point average in psychology courses
3. 3.25 cumulative overall grade point average of 3.25
4. Completion of (PSY 489 AND completion and presentation of PSY 482, at least one of which must be completed in the candidate’s last semester) OR (successful completion of a McNair project associated with at least 3 credits of PSY 481 or PSY 482 [one credit of PSY 481 or PSY 482 must be completed in the spring following acceptance into the honors program]).
5. Exhibit continuous appropriate professional behavior as defined by departmental standards


Sociology and Archaeology (SOC/ARC)

College of Liberal Studies
Department Chair: Kimberly Vogt
435A Wimberly Hall; 608.785.8457
Email: kvogt@uw腋.edu
www.uwlax.edu/sociology

The Department of Sociology and Archaeology at UW-La Crosse provides several services for students including: internship advising, a limited number of part-time employment positions in the department, a newsletter to keep students informed of department policies, directions and developments, the Archaeology Club, and the Social Issues Club.

Majors

The Archaeological Studies Program at UW-L is one of, if not the best, comprehensive undergraduate program in archaeology in the United States and the only one in the Midwest. The uniqueness of our program lies in the fact that it is an interdisciplinary major that integrates the fields of New World and Old World archaeology, cultural anthropology, physical anthropology, geoarchaeology, and cultural resource management. We are able to provide our undergraduate students with practical experience unmatched by other programs of its kind for two primary reasons:

1. Our close relationship with the Mississippi Valley Archaeology Center (MVAC), the research arm of our program, which conducts extensive research and public education activities throughout the tri-state region of Wisconsin, Minnesota, and Iowa; and
2. Our impressive array of intensive international experiences designed to provide students with practical anthropological, archaeological, and ethnographic methods.

The Sociology Program provides students with a broad base of skills useful in business, human resources, social services, government and non-profit organizations. Sociology is the study of human groups and how the group influences social behavior. The field is both a science and a philosophy, seeking to answer questions about human behavior through the use of scientific methods. Sociology adds to our knowledge of people as agents of a particular culture or often a mix of different cultures. Sociology studies patterns of social interaction within a society and the specific institutional structures that influence human lives in positive and negative ways. A general goal of much sociological research is to enhance our understanding of how society really works and to expose the often hidden structures of authority and power that regulate social outcomes. Areas of concentration include comparative sociology, criminal justice, demography and social stratification, sociological theory, and social psychology. The department encourages students to consider internships, volunteer work, and undergraduate research projects as an important part of their sociological training. Students should work closely with their advisers in selecting elective courses and a minor that can help them toward their career goals.

Minors

The anthropology minor provides students with a broad background in one of the most fascinating of social sciences - Anthropology, the scientific study of humanity. Required curriculum in the minor exposes students to all four sub-disciplines of anthropology - cultural anthropology, physical anthropology, archaeology, and linguistics – and students are able to flesh out the minor with a range of elective courses that satisfy their particular interests. The anthropology minor is an excellent pairing with a number of disciplinary majors available on campus including archaeology; sociology; communications; women’s, gender, and sexuality Studies; and disciplines in the health sciences, to name only a few.

The archaeological studies minor is designed for students who have an interest in the anthropological sub-discipline of archaeology but who are majoring in another discipline. Common majors that are served by the archaeology minor include history, geology, geography, biology, physics, and a number of others. The minor in archaeological studies provides students with a strong foundational understanding of the discipline.
while at the same time allowing for the selection of elective courses that particularly suite the individual student’s interests.

The criminal justice minor is an interdisciplinary minor designed to assist students planning to enter career related areas involving some aspect of the criminal or juvenile justice system. The minor provides students with the opportunity to gain an intellectual understanding of the U.S. criminal justice system. The minor is fully grounded in the liberal arts, and prepares students by providing a sound knowledge base and developing analytical and critical thinking skills necessary in criminal justice related occupations. The criminal justice minor is complementary to a variety of majors offered at UW-La Crosse. Majors in sociology, political science, public administration, psychology, philosophy, Spanish, geography, accountancy, computer science, chemistry, therapeutic recreation, or the pre-law program (in conjunction with a major), will maximize student experiences and opportunities in criminal justice related fields.

The sociology minor provides students with the opportunity to explore questions about human behavior in social groups and an understanding of social institutions such as the family, education, economic structure, health care, and criminal justice. In addition, course electives allow students to explore the roots of social inequalities such as racism, sexism, economic inequality, and heterosexism. The sociology minor pairs well with the areas of psychology; economics; marketing; business administration; therapeutic recreation; health promotion; exercise and sport science; political science; public administration; history; and women’s, gender, and sexuality Studies.

General education writing emphasis
This department incorporates a significant amount of writing through the required courses instead of identifying particular courses as writing emphasis courses. Students who complete a major in this department will fulfill the general education writing emphasis requirement (p. 50).

Our people

Professor
Enilda Delgado
Timothy Gongaware
Timothy McAndrews
Carol Miller
Kimberly Vogt
William Zollweg

Associate Professor
David Anderson
Vincent Her
Christine Hippert

Assistant Professor
Nicholas Bakken
Laurie Cooper-Stoll

Adam Driscoll
Katherine Grillo
Jessi Halligan
Lisa Kruse
Julia McReynolds-Pérez
Peter Marina
Dawn Norris
Elizabeth Peacock

Associate Lecturer
Constance Arzigian

Administrative Support
Debra Holtenschlag

Majors
• Sociology major - BA (p. 199)
• Sociology major - BS (p. 201)
• Sociology education major (early adolescence-adolescence certification) - BS (p. 202)
• Archaeological studies major - BA (p. 204)
• Archaeological studies major - BS (p. 206)
• Social studies education (broad field) major (early adolescence-adolescence certification) - BS (p. 208)

Minors
• Sociology minor (p. 210)
• Sociology education minor (p. 210)
• Archaeological studies minor (p. 210)
• Anthropology minor (p. 210)
• Criminal justice minor (p. 211)

Honors
• Archaeology honors program (p. 211)
• Sociology honors program (p. 211)

Sociology Major - Bachelor of Arts (BA)

Sociology is the study of human groups and how the group influences social behavior. The field is both a science and a philosophy, seeking to answer questions about human behavior through the use of scientific methods. Sociology gives us new and important knowledge about the social world. The focus of the sociology major is to prepare students with the methodological background and analytical skills necessary for working in today’s world, while allowing students to gain a basic understanding of a variety of areas within sociology such as social stratification, criminology, social psychology and comparative sociology.

Every Sociology major completes a senior project in one of our two senior capstone courses SOC 405 Quantitative Social Research Seminar or SOC 416 Qualitative Explorations. Working closely with faculty, each student designs and completes a semester-long investigation of a
sociology-related topic. The senior capstone course provides students with firsthand experience and analytical skills that are valuable in the work world and in graduate study.

**Major requirements**

(All colleges, excluding teacher certification programs)

36 credits

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
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**Electives**

The remaining 18 credits will consist of sociology electives to be selected in consultation with a faculty adviser in sociology. Nine of the 18 elective credits must be taken at the 300 level or above. Up to six credits in anthropology may be included in the sociology major if taken at the 200 level or above. Anthropology credits applied to the sociology major cannot be applied to the anthropology minor or archaeological studies major.

Total Credits 36

1 To enroll in SOC 200 Foundations of Sociological Analysis (3 cr.) and SOC 250 Methods of Social Research I (3 cr.), a student must have declared sociology as a major. Once a student has declared sociology as a major, it likely will take a minimum of four semesters to complete the core required course sequence.

**Degree requirements**

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 200)
- Baccalaureate degree requirements (p. 201)

**CLS Bachelor of Arts core requirements**

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).

DECLARE ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

**A. Language track**

1. Native speakers of English: complete

   Select one of the following:

   - CHI 202 Intermediate Chinese II
   - FRE 202 Intermediate French II
   - GER 202 Intermediate German II
   - RUS 202 Intermediate Russian II
   - SPA 202 Intermediate Spanish II
   - MLG 202 World Languages: Intermediate II
   - MLG 204 Heritage Language: Intermediate
   - MLG 304 Heritage Language: Advanced

2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

**B. Humanities track**

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

**C. Fine arts track**

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Sociology Major- Bachelor of Science (BS)

Sociology is the study of human groups and how the group influences social behavior. The field is both a science and a philosophy, seeking to answer questions about human behavior through the use of scientific methods. Sociology gives us new and important knowledge about the social world. The focus of the sociology major is to prepare students with the methodological background and analytical skills necessary for working in today’s world, while allowing students to gain a basic understanding of a variety of areas within sociology such as social stratification, criminology, social psychology and comparative sociology.

Every Sociology major completes a senior project in one of our two senior capstone courses SOC 405 Quantitative Social Research Seminar or SOC 416 Qualitative Explorations. Working closely with faculty, each student designs and completes a semester-long investigation of a sociology-related topic. The senior capstone course provides students with firsthand experience and analytical skills that are valuable in the work world and in graduate study.

Major requirements

(All colleges, excluding teacher certification programs)

36 credits

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Electives

The remaining 18 credits will consist of sociology electives to be selected in consultation with a faculty adviser in sociology. Nine of the 18 elective credits must be taken at the 300 level or above. Up to six credits in anthropology may be included in the sociology major if taken at the 200 level or above. Anthropology credits applied to the sociology major cannot be applied to the anthropology minor or archaeological studies major.

Total Credits 36

¹ To enroll in SOC 200 Foundations of Sociological Analysis (3 cr.) and SOC 250 Methods of Social Research I (3 cr.), a student must have declared sociology as a major. Once a student has declared sociology as a major, it likely will take a minimum of four semesters to complete the core required course sequence.

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• College core (p. 201)
• Baccalaureate degree requirements (p. 202)
CLS Bachelor of Science core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).

Bachelor of Science students complete four courses outside the department of the student’s major as follows:

1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 339); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. 1 At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA 1 in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Sociology Education Major (Early Adolescence-Adolescence Certification) - Bachelor of Science (BS)

The sociology education major is a good pairing with the history education major. Students earning a sociology education degree can be certified at the early adolescence - adolescence level through the Wisconsin Department of Public Instruction (DPI). Sociology is the study of human groups and how the group influences social behavior. The field is both a science and a philosophy, seeking to answer questions about human behavior through the use of scientific methods. Sociology gives us new and important knowledge about the social world. The focus of the sociology major is to prepare students with the methodological background and analytical skills necessary for working in today’s world, while allowing students to gain a basic understanding of a variety of areas within sociology such as social stratification, criminology, social psychology and comparative sociology.

Every Sociology major completes a senior project in one of our two senior capstone courses SOC 405 Quantitative Social Research Seminar or SOC 416 Qualitative Explorations. Working closely with faculty, each student designs and completes a semester-long investigation of a sociology-related topic. The senior capstone course provides students with firsthand experience and analytical skills that are valuable in the work world and in graduate study.
Major requirements

Admission requirements for STEP Program (p. 403)

(Teacher certification program: early-adolescence-adolescence)

40 credits

Major core

SOC 110 The Social World 3
SOC 200 Foundations of Sociological Analysis 3
SOC 250 Methods of Social Research I 3
SOC 350 Methods of Social Research II 3
SOC 390 Early Sociological Theory 3
or SOC 395 Contemporary Sociological Theory 3

Select one of the following:

SOC 405 Quantitative Social Research Seminar 3
SOC 410 Sociology Honors Project 3
SOC 416 Qualitative Explorations 3
SOC 408 Teaching and Learning History & Social Studies in the Secondary School 4

Social organization and processes

Select at least one from the following:

SOC 212 Marriage and Family 3
SOC 216 Society and Schools 3
SOC 240 The Sociology of Sport and Leisure 3
SOC 310 Social Stratification 3
SOC 311 Rural and Urban Sociology 3
SOC 315 Religion and Society 3
SOC 338 Sociological Aspects of Work and Life 3
SOC 370 Sociology of Gender 3
SOC 375 Lesbian Studies 3
SOC 420 Health Care and Illness 3

Social psychology

Select at least one from the following:

SOC 325 Sociology of Mental Illness 3
SOC 330 Social Psychology 3
SOC 334 Sociology of Small Groups 3
or CST 365 Communication in Teams 3
or PSY 343 Group Dynamics 3
SOC 335 Collective Behavior 3

Comparative sociology and anthropology

Select at least one from the following:

SOC 225 Racial and Ethnic Minorities (ES) 3
SOC 404 Global Inequality 3
or any course in anthropology 3

Social problems and social change

Select at least one from the following:

SOC 120 Social Problems 3
SOC 313 Law and Society 3
SOC 320 Demography 3
SOC 321 Delinquency 3
SOC 322 Criminology 3
SOC 324 Criminal Justice 3
SOC 326 Sociopharmacology 3
SOC 340 Bioethics and Society 3

SOC 422 Death, Grief, and Bereavement
SOC 429 Sociology of Deviance

Electives

Remaining electives may be selected from any of the course offerings in sociology. Up to six credits in anthropology may be applied toward the sociology major. Anthropology credits applied to the sociology major cannot be applied to the anthropology minor or archaeological studies major.

Total Credits 40

1 To enroll in SOC 200 and SOC 250, a student must have declared sociology as a major. Once a student has declared sociology as a major, it likely will take a minimum of four semesters to complete the core required course sequence.

Teacher certification candidates must also complete GEO 200 and EFN 200 to fulfill statutory licensing requirements (credits do not count toward the sociology education major).

Additional teacher education requirements are listed in the STEP program core (p. 403).

Degree requirements

All students must complete the general education, college core (waived for teacher certification programs), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• Baccalaureate degree requirements (p. 203)

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA.1 At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA1 in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.
Entrance requirements

1. Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Archaeological Studies Major - Bachelor of Arts (BA)

The Archaeological Studies Program at UW-L is one of, if not the best, comprehensive undergraduate program in archaeology in the United States and the only one in the Midwest. Lewis Binford, one of the most influential archaeologists in the discipline’s history, said of our program: “I can say without hesitation that this is the best undergraduate program in archaeology that I have seen anywhere in this country.” The uniqueness of our program lies in the fact that it is an interdisciplinary major that integrates the fields of New World and Old World Archaeology, Cultural Anthropology, Physical Anthropology, Geoarchaeology, and Cultural Resource Management.

We are able to provide our undergraduate students with practical experience unmatched by other programs of its kind for two primary reasons:

1. Our close relationship with the Mississippi Valley Archaeology Center (MVAC), the research arm of our program, which conducts extensive research and public education activities throughout the tri-state region of Wisconsin, Minnesota, and Iowa; and
2. Our impressive array of intensive international experiences designed to provide students with practical anthropological, archaeological, and ethnographic methods.

Because our program is built around close student-instructor interaction and intensive experiential opportunities, our students are given ample opportunity for participation in all aspects of anthropological field and laboratory research. Moreover, a substantial amount of financial support is available to students for part- and full-time lab and fieldwork during the summer and school year. This support ensures that students graduate with both academic and practical job preparation.

Major requirements

(All colleges, excluding teacher certification programs)

Admission

Undergraduate students may declare their major as pre-archaeological studies majors. Only those students who have been admitted to the program are classified as archaeological studies majors. Admission to the major is limited and based upon the following minimal requirements.

Entrance requirements

1. Prior to application for the major, the following archaeology courses must be completed with a minimum GPA of 3.00: ARC 195 and ARC 200. ARC 101 is strongly recommended for all students majoring in or considering a major in archaeology.
2. An overall GPA of 2.50
3. Completion of 32 credits
4. Completion of the archaeological studies major application form

Curriculum

1. ARC 101 and ARC 395 are not required but strongly recommended.

Anthropology credits applied to the archaeological studies major or minor may not be applied to the anthropology minor or the sociology major or minor.

Regional courses (six credits required)

<table>
<thead>
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<tr>
<td>ARC 204</td>
<td>Ancient Literate Civilizations</td>
</tr>
<tr>
<td>ARC 280</td>
<td>Archaeology of the Andes</td>
</tr>
<tr>
<td>ARC 285</td>
<td>Archaeology of Mexico and Central America</td>
</tr>
<tr>
<td>ARC 310</td>
<td>Midwest Archaeology</td>
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<tr>
<td>ARC 341</td>
<td>North American Archaeology</td>
</tr>
<tr>
<td>ARC 350</td>
<td>Independent Foreign Research in Archaeology</td>
</tr>
<tr>
<td>ARC 367</td>
<td>Ancient Egypt</td>
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<td>ARC 399</td>
<td>SOC/ARC/ANT Forum</td>
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<td>ARC 404</td>
<td>Environmental Archaeology</td>
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<td>ARC 409</td>
<td>Readings and Research in Archaeology</td>
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<tr>
<td>ARC 498</td>
<td>Seminar in Archaeology</td>
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<tr>
<td>ARC/ANT 353</td>
<td>Maya Civilization</td>
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<tr>
<td>ARC 357</td>
<td>Peoples and Cultures of Africa</td>
</tr>
<tr>
<td>ARC/HIS 295</td>
<td>Pyramids, Temples and Towns! The Archaeology of Ancient Egypt</td>
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<tr>
<td>ARC/HIS 312</td>
<td>African Archaeology</td>
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<tr>
<td>ARC/HIS 331</td>
<td>The Ancient Greek World</td>
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<tr>
<td>ARC/HIS 332</td>
<td>Ancient Rome and the Mediterranean</td>
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<tr>
<td>ARC/HIS 340</td>
<td>Origins of Cities</td>
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<td>ARC/HIS 365</td>
<td>Ancient Iraq</td>
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<td>ARC/HIS 366</td>
<td>Ancient Israel</td>
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<tr>
<td>ARC/HIS 368</td>
<td>History of Babylonian Language and Culture I</td>
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<tr>
<td>ARC/HIS 369</td>
<td>History of Babylonian Language and Culture II</td>
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<tr>
<td>ARC/HIS 375</td>
<td>Iran before Islam</td>
</tr>
<tr>
<td>INS 350</td>
<td>Independent Foreign Research</td>
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Methods courses (six credits required)

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<tr>
<td>ARC 231</td>
<td>Introduction to Underwater Archaeology</td>
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<tr>
<td>ARC 250</td>
<td>Museum Studies</td>
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Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to

the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• College core (p. 205)
• Baccalaureate degree requirements (p. 206)

**CLS Bachelor of Arts core requirements**

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics-Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).

**Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:**

**A. Language track**

1. **Native speakers of English** complete:
   Select one of the following:
   - CHI 202 Intermediate Chinese II
   - FRE 202 Intermediate French II
   - GER 202 Intermediate German II
   - RUS 202 Intermediate Russian II
   - SPA 202 Intermediate Spanish II
   - MLG 202 World Languages: Intermediate II
   - MLG 204 Heritage Language: Intermediate
   - MLG 304 Heritage Language: Advanced

**Non-native speakers of English:** score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university’s English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations); and

**Anthropology courses (six credits required)**

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARC 300</td>
<td>Cultural Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>ARC 303</td>
<td>Archaeology Lab Methods</td>
<td>3</td>
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<tr>
<td>ARC 320</td>
<td>Historical Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ARC 334</td>
<td>Bones for Archaeologist: Human Skeletal Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>ARC 347</td>
<td>Geocarchaeology</td>
<td>3</td>
</tr>
<tr>
<td>ARC 395</td>
<td>Graduate Preparation Seminar</td>
<td>1</td>
</tr>
<tr>
<td>ARC 399</td>
<td>SOC/ARC/ANT Forum</td>
<td>3</td>
</tr>
<tr>
<td>ARC 415</td>
<td>Advanced Research Applications in Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ARC 445</td>
<td>Research Methods in Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ARC 450</td>
<td>Internship in Archaeology</td>
<td>1-15</td>
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<tr>
<td>ARC 498</td>
<td>Seminar in Archaeology</td>
<td>1-3</td>
</tr>
<tr>
<td>ARC/ANT 330</td>
<td>Pastoralism: Past and Present</td>
<td>3</td>
</tr>
<tr>
<td>ARC/ANT 346</td>
<td>Ethnoarchaeology and Experimental Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 345</td>
<td>Remote Sensing</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 385</td>
<td>Introduction to Geographic Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 390</td>
<td>Geographic Field Methods</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 426</td>
<td>Soil Morphology and Genesis</td>
<td>4</td>
</tr>
</tbody>
</table>

[36x66]degree. The easiest way to track all of these requirements is to refer to
2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

B. Humanities track
1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

C. Fine arts track
1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:
1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees
Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:
1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Archaeological Studies Major - Bachelor of Science (BS)
The Archaeological Studies Program at UW-L is one of, if not the best, comprehensive undergraduate program in archaeology in the United States and the only one in the Midwest. Lewis Binford, one of the most influential archaeologists in the discipline’s history, said of our program: “I can say without hesitation that this is the best undergraduate program in archaeology that I have seen anywhere in this country.” The uniqueness of our program lies in the fact that it is an interdisciplinary major that integrates the fields of New World and Old World Archaeology, Cultural Anthropology, Physical Anthropology, Geoarchaeology, and Cultural Resource Management.

We are able to provide our undergraduate students with practical experience unmatched by other programs of its kind for two primary reasons:
1. Our close relationship with the Mississippi Valley Archaeology Center (MVAC), the research arm of our program, which conducts extensive research and public education activities throughout the tri-state region of Wisconsin, Minnesota, and Iowa; and
2. Our impressive array of intensive international experiences designed to provide students with practical anthropological, archaeological, and ethnographic methods.

Because our program is built around close student-instructor interaction and intensive experiential opportunities, our students are given ample opportunity for participation in all aspects of anthropological field and laboratory research. Moreover, a substantial amount of financial support is available to students for part- and full-time lab and fieldwork during the summer and school year. This support ensures that students graduate with both academic and practical job preparation.

Major requirements
(All colleges, excluding teacher certification programs)

Admission
Undergraduate students may declare their major as pre-archaeological studies majors. Only those students who have been admitted to the program are classified as archaeological studies majors. Admission to the major is limited and based upon the following minimal requirements.

Entrance requirements
1. Prior to application for the major, the following archaeology courses must be completed with a minimum GPA of 3.00: ARC 195 and
Regional courses (six credits required)

2. An overall GPA of 2.50
3. Completion of 32 credits
4. Completion of the archaeological studies major application form

**Curriculum**

**Required courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARC 195</td>
<td>Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ARC 200</td>
<td>World Archaeology, the Story of Our Past</td>
<td>3</td>
</tr>
<tr>
<td>ARC 455</td>
<td>Historical and Theoretical Perspectives in Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ARC 489</td>
<td>Honors Thesis in Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ARC 499</td>
<td>Senior Project/Thesis in Archaeology</td>
<td></td>
</tr>
<tr>
<td>ARC 402</td>
<td>Field Methods in Archaeology (minimum of six credits)</td>
<td>6</td>
</tr>
</tbody>
</table>

**Regional courses**

Select at least two courses (see below) | 6

**Methods courses**

Select at least two courses (see below) | 6

**Anthropology courses**

Select at least two courses (see below) | 6

Total Credits | 36

1 ARC 101 and ARC 395 are not required but strongly recommended.

**Anthropology credits applied to the archaeological studies major or minor may not be applied to the anthropology minor or the sociology major or minor.**

**Regional courses (six credits required)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARC 204</td>
<td>Ancient Literate Civilizations</td>
<td>3</td>
</tr>
<tr>
<td>ARC 280</td>
<td>Archaeology of the Andes</td>
<td>3</td>
</tr>
<tr>
<td>ARC 285</td>
<td>Archaeology of Mexico and Central America</td>
<td>3</td>
</tr>
<tr>
<td>ARC 310</td>
<td>Midwest Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ARC 341</td>
<td>North American Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ARC 350</td>
<td>Independent Foreign Research in Archaeology</td>
<td>1-6</td>
</tr>
<tr>
<td>ARC 367</td>
<td>Ancient Egypt</td>
<td>3</td>
</tr>
<tr>
<td>ARC 399</td>
<td>SOC/ARC/ANT Forum</td>
<td>3</td>
</tr>
<tr>
<td>ARC 404</td>
<td>Environmental Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ARC 409</td>
<td>Readings and Research in Archaeology</td>
<td>1-3</td>
</tr>
<tr>
<td>ARC 498</td>
<td>Seminar in Archaeology</td>
<td>1-3</td>
</tr>
<tr>
<td>ARC/ANT 353</td>
<td>Maya Civilization</td>
<td>3</td>
</tr>
<tr>
<td>ARC 357</td>
<td>Peoples and Cultures of Africa</td>
<td>3</td>
</tr>
<tr>
<td>ARC/HS 295</td>
<td>Pyramids, Temples and Towns! The Archaeology of Ancient Egypt</td>
<td></td>
</tr>
<tr>
<td>ARC/HS 312</td>
<td>African Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ARC/HS 331</td>
<td>The Ancient Greek World</td>
<td>3</td>
</tr>
<tr>
<td>ARC/HS 332</td>
<td>Ancient Rome and the Mediterranean</td>
<td>3</td>
</tr>
<tr>
<td>ARC/HS 340</td>
<td>Origins of Cities</td>
<td>3</td>
</tr>
<tr>
<td>ARC/HS 365</td>
<td>Ancient Iraq</td>
<td>3</td>
</tr>
<tr>
<td>ARC/HS 366</td>
<td>Ancient Israel</td>
<td>3</td>
</tr>
<tr>
<td>ARC/HS 368</td>
<td>History of Babylonian Language and Culture I</td>
<td>3</td>
</tr>
<tr>
<td>ARC/HS 369</td>
<td>History of Babylonian Language and Culture II</td>
<td>3</td>
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</table>

**Methods courses (six credits required)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARC 231</td>
<td>Introduction to Underwater Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ARC 250</td>
<td>Museum Studies</td>
<td>3</td>
</tr>
<tr>
<td>ARC 300</td>
<td>Cultural Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>ARC 303</td>
<td>Archaeology Lab Methods</td>
<td>3</td>
</tr>
<tr>
<td>ARC 320</td>
<td>Historical Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ARC 334</td>
<td>Bones for Archaeologist: Human Skeletal Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>ARC 347</td>
<td>Geoarchaeology</td>
<td>3</td>
</tr>
<tr>
<td>ARC 395</td>
<td>Graduate Preparation Seminar</td>
<td>1</td>
</tr>
<tr>
<td>ARC 399</td>
<td>SOC/ARC/ANT Forum</td>
<td>3</td>
</tr>
<tr>
<td>ARC 415</td>
<td>Advanced Research Applications in Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ARC 445</td>
<td>Research Methods in Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ARC 450</td>
<td>Internship in Archaeology</td>
<td>1-15</td>
</tr>
<tr>
<td>ARC 498</td>
<td>Seminar in Archaeology</td>
<td>1-3</td>
</tr>
<tr>
<td>ARC/ANT 330</td>
<td>Pastoralism: Past and Present</td>
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<td>ARC/ANT 346</td>
<td>Ethnoarchaeology and Experimental Archaeology</td>
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</tr>
<tr>
<td>GEO/ESC 345</td>
<td>Remote Sensing</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 385</td>
<td>Introduction to Geographic Information Systems</td>
<td>3</td>
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<tr>
<td>GEO/ESC 390</td>
<td>Geographic Field Methods</td>
<td>3</td>
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<td>GEO/ESC 426</td>
<td>Soil Morphology and Genesis</td>
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**Anthropology courses (six credits required)**

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</tr>
</thead>
<tbody>
<tr>
<td>ANT 215</td>
<td>Refugees, Displaced Persons &amp; Transnational Communities</td>
<td>3</td>
</tr>
<tr>
<td>ANT 250</td>
<td>Women and Society</td>
<td>3</td>
</tr>
<tr>
<td>ANT 266</td>
<td>Anthropology of Food</td>
<td>3</td>
</tr>
<tr>
<td>ANT 290</td>
<td>Andean Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 320</td>
<td>Rites, Rituals and Ceremonies</td>
<td>3</td>
</tr>
<tr>
<td>ANT 321</td>
<td>Images, Visual Culture and Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 323</td>
<td>Anthropology of Youth and Adolescence</td>
<td>3</td>
</tr>
<tr>
<td>ANT 343</td>
<td>North American Indians</td>
<td>3</td>
</tr>
<tr>
<td>ANT 351</td>
<td>Peoples and Cultures of Southeast Asia</td>
<td>3</td>
</tr>
<tr>
<td>ANT 370</td>
<td>Medical Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 375</td>
<td>Language, Power, and Inequality</td>
<td>3</td>
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<td>ANT 399</td>
<td>SOC/ARC/ANT Forum</td>
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<td>ANT 401</td>
<td>Ethnographic Methods</td>
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<td>ANT 409</td>
<td>Readings and Research in Anthropology</td>
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</tr>
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<td>ANT 454</td>
<td>Historical and Theoretical Approaches in Anthropology</td>
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</tr>
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<td>ANT 499</td>
<td>Seminar in Anthropology</td>
<td>2-3</td>
</tr>
<tr>
<td>ARC/ANT 304</td>
<td>Hunter and Gatherer Societies</td>
<td>3</td>
</tr>
<tr>
<td>ARC/ANT 305</td>
<td>Indigenous Agricultural Societies: Past &amp; Present</td>
<td>3</td>
</tr>
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<td>ARC/ANT 330</td>
<td>Pastoralism: Past and Present</td>
<td>3</td>
</tr>
<tr>
<td>ARC/ANT 346</td>
<td>Ethnoarchaeology and Experimental Archaeology</td>
<td>3</td>
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<td>HIS/ANT 312</td>
<td>Peoples and Cultures of Eastern Europe and the Former Soviet Union</td>
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</tr>
<tr>
<td>SOC/ANT 307</td>
<td>International Development and Culture Change</td>
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</tr>
<tr>
<td>SOC/ANT 354</td>
<td>Peoples and Cultures of Latin America</td>
<td>3</td>
</tr>
<tr>
<td>SOC/ANT 362</td>
<td>Hmong Americans</td>
<td>3</td>
</tr>
</tbody>
</table>
Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 208)
- Baccalaureate degree requirements (p. 208)

CLS Bachelor of Science core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2).

Bachelor of Science students complete four courses outside the department of the student’s major as follows:

1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 399); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student's major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Social Studies Education (Broad Field) Major (Early Adolescence-Adolescence Certification) - BS

The sociology education major is a good pairing with the history education major. Students earning a sociology education degree can be certified at the early adolescence - adolescence level through the Wisconsin Department of Public Instruction (DPI). Sociology is the study of human groups and how the group influences social behavior. The field is both a science and a philosophy, seeking to answer questions about human behavior through the use of scientific methods. Sociology gives us new and important knowledge about the social world. The focus of the sociology major is to prepare students with the methodological background and analytical skills necessary for working in today’s world, while allowing students to gain a basic understanding of a variety of
areas within sociology such as social stratification, criminology, social psychology and comparative sociology.

Every Sociology major completes a senior project in one of our two senior capstone courses SOC 405 Quantitative Social Research Seminar or SOC 416 Qualitative Explorations. Working closely with faculty, each student designs and completes a semester-long investigation of a sociology-related topic. The senior capstone course provides students with firsthand experience and analytical skills that are valuable in the work world and in graduate study.

Major requirements
Admission requirements for STEP Program (p. 403)
(Teacher certification program: early adolescence-adolescence)
54-64 credits

Choose either Option A (content major) or Option B (content minor) below:

Option A (content major) 57-64 credits
37-44 credit major in geography education, history education, political science education, or sociology education
20 credits, with a minimum of three credits, from any two of the following areas outside of the major:
- Economics
- Geography
- History
- Political Science
- Psychology
- Sociology

Total Credits 57-64

Note: Teacher certification candidates must also complete GEO 200 Conservation of Global Environments and EFN 200 Cooperatives to fulfill statutory licensing requirements. Credits do not count toward the social studies education (broad field) major.

Option B (content minor) 54-60 credits
18-24 credit minor in one of the following:
- Economics Education
- Geography Education
- History Education
- Political Science Education
- Psychology Education
- Sociology Education
32 credits with a minimum of three credits from three of the subject areas outside of the minor selected from the following:
- Economics
- Geography
- History
- Political Science
- Psychology
- Sociology

Total Credits 54-60

Note: Teacher certification candidates must also complete GEO 200 Conservation of Global Environments and EFN 200 Cooperatives to fulfill statutory licensing requirements. Credits do not count toward the social studies education (broad field) major.

Degree requirements
All students must complete the general education, college core (waived for teacher certification programs), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- Baccalaureate degree requirements (p. 209)

Baccalaureate degrees
Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA.¹ At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA¹ in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

¹ Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.
Sociology minor

(All colleges, excluding teacher certification programs)

21 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 110</td>
<td>The Social World</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>18</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>Credits</strong></td>
<td><strong>21</strong></td>
</tr>
</tbody>
</table>

Twelve of the 21 credits must be at the 300 level or above. Up to six credits in anthropology may be included in the sociology minor if taken at the 200 level and above. Anthropology credits applied to the sociology major or minor cannot be applied to the anthropology minor or archeological studies major or minor.

Sociology Education Minor

(Teacher certification programs)

21 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 110</td>
<td>The Social World</td>
<td>3</td>
</tr>
<tr>
<td>SOC 395</td>
<td>Contemporary Sociological Theory</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>SOC 212</td>
<td>Marriage and Family</td>
<td></td>
</tr>
<tr>
<td>SOC 216</td>
<td>Society and Schools</td>
<td></td>
</tr>
<tr>
<td>SOC 310</td>
<td>Social Stratification</td>
<td></td>
</tr>
<tr>
<td>SOC 311</td>
<td>Rural and Urban Sociology</td>
<td></td>
</tr>
<tr>
<td>SOC 315</td>
<td>Religion and Society</td>
<td></td>
</tr>
<tr>
<td>SOC 338</td>
<td>Sociological Aspects of Work and Life</td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>SOC 120</td>
<td>Social Problems</td>
<td></td>
</tr>
<tr>
<td>SOC 225</td>
<td>Racial and Ethnic Minorities (ES)</td>
<td></td>
</tr>
<tr>
<td>SOC 320</td>
<td>Demography</td>
<td></td>
</tr>
<tr>
<td>SOC 321</td>
<td>Delinquency</td>
<td></td>
</tr>
<tr>
<td>SOC 322</td>
<td>Criminology</td>
<td></td>
</tr>
<tr>
<td>SOC 326</td>
<td>Sociopharmacology</td>
<td></td>
</tr>
<tr>
<td>SOC 340</td>
<td>Bioethics and Society</td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>SOC 330</td>
<td>Social Psychology</td>
<td></td>
</tr>
<tr>
<td>SOC 334</td>
<td>Sociology of Small Groups</td>
<td></td>
</tr>
<tr>
<td>CST 365</td>
<td>Communication in Teams</td>
<td></td>
</tr>
<tr>
<td>PSY 343</td>
<td>Group Dynamics</td>
<td></td>
</tr>
<tr>
<td>Electives (may apply one course from anthropology if taken at the 200 level or above):</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

**Total Credits**  **21**

Twelve of the 21 credits must be at the 300 level or above. SOC 408 Teaching and Learning History & Social Studies in the Secondary School (4 cr.) is not applicable for elective credit in the minor.

Anthropology credits applied to the sociology minor cannot be applied to the anthropology minor or archeological studies major or minor.

Teacher certification candidates must also complete GEO 200 Conservation of Global Environments (3 cr.) and EFN 200 Cooperatives (1 cr.) to fulfill statutory licensing requirements (credits do not count toward the sociology education minor); in addition, early adolescence-adolescence candidates must also complete SOC 408 Teaching and

Archaeological Studies Minor

(All colleges, excluding teacher certification programs)

21 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARC 195</td>
<td>Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ARC 200</td>
<td>World Archaeology, the Story of Our Past</td>
<td>3</td>
</tr>
<tr>
<td>Electives in archaeology</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>21</strong></td>
</tr>
</tbody>
</table>

Of the 15 elective credits at least nine credits must be at the 300/400 level. Archaeology credits applied to the anthropology minor, history major or minor, sociology major or minor, and/or the geoarchaeology minor may not be applied to the archaeology minor.

Anthropology Minor

(All colleges, excluding teacher certification programs)

22 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 102</td>
<td>Introduction to Physical Anthropology</td>
<td>4</td>
</tr>
<tr>
<td>ANT 195</td>
<td>Introduction to Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 196</td>
<td>Introduction to Linguistic Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT 454</td>
<td>Historical and Theoretical Approaches in Anthropology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Nine advanced electives (300/400 level) in anthropology**  **9**

- ANT 304 Hunter and Gatherer Societies
- ANT 305 Indigenous Agricultural Societies: Past & Present
- ANT 307 International Development and Culture Change
- ANT 312 Peoples and Cultures of Eastern Europe and the Former Soviet Union
- ANT 320 Rites, Rituals and Ceremonies
- ANT 321 Images, Visual Culture and Anthropology
- ANT 323 Anthropology of Youth and Adolescence
- ANT 330 Pastoralism: Past and Present
- ANT 343 North American Indians
- ANT 346 Ethnoarchaeology and Experimental Archaeology
- ANT 351 Peoples and Cultures of Southeast Asia
- ANT 354 Peoples and Cultures of Latin America
- ANT 362 Hmong Americans
- ANT 370 Medical Anthropology
- ANT 375 Language, Power, and Inequality
- ANT 399 SOC/ARC/ANT Forum
- ANT 401 Ethnographic Methods
- ANT 409 Readings and Research in Anthropology
- ANT 450 Internship in Anthropology
- ANT 479 Archaeology/Anthropology Laboratory Assistant
- ANT 499 Seminar in Anthropology

**Total Credits**  **22**
Anthropology credits applied to the archaeological studies major or minor or the sociology major or minor may not be applied to the anthropology minor.

Criminal Justice Minor

(All colleges)

21 credits

SOC 324  Criminal Justice  3
Select six credits of the following:  6
SOC 313  Law and Society
SOC 321  Delinquency
SOC 322  Criminology
SOC 323  Corrections and Penology
SOC 325  Sociology of Mental Illness
SOC 326  Sociopharmacology
SOC 330  Social Psychology
SOC 429  Sociology of Deviance
Select six credits of the following:  6
POL 211  Introduction to Public Administration
POL 221  The American Legal System
POL 222  Law, Governance and Politics
POL 306  Judicial Process
POL 311  Public Personnel Administration
POL 326  Mock Trial I: Trial Advocacy
POL 373  Constitutional Law IV: Rights of the Accused
POL 374  Constitutional Law V: Right to Life
POL 375  Constitutional Law VI: Criminal Procedure
Select three credits of the following:  3
GEO/ESC 385  Introduction to Geographic Information Systems
HED 425  Violence and Injury Prevention
PHL 201  Introduction to Ethics
PHL 337  Legal, Political, and Social Philosophy
PSY 204  Abnormal Psychology
PSY 241  Social Psychology
PSY 357  Adolescence
PSY 417  Child and Adolescent Psychopathology
PSY 426  Addictive Behaviors
PSY 440  Psychopharmacology
WGS 310  Masculinity, Femininity and Violence
WGS 320  Violence Against Women

A maximum of three credits may be counted toward the fulfillment of the criminal justice minor and another major, minor or emphasis.

Archaeology Honors Program

The Archaeology Honors Program is strongly recommended for students interested in pursuing a graduate degree in archaeology. This program will challenge you and enhance your educational experience. The program is designed to stimulate and acknowledge research of greater depth, breadth, and originality by students motivated to excel in the archaeological studies major. The program’s capstone, ARC 489 Honors Thesis in Archaeology, requires an extensive piece of research designed and conducted by the student under the close supervision of a faculty advisor.

Program

1. Admission
   a. Junior standing
   b. Twelve credits completed in the archaeology major
   c. A 3.50 cumulative grade point in the archaeology major
   d. A 3.25 cumulative grade point average overall
   e. Submission of the archaeology honors program application to the Department of Sociology and Archaeology program assistant

2. Program
   a. Completion of the archaeological studies major program
   b. ARC 445 Research Methods in Archaeology (3 cr.) with a grade of “AB” or higher
   c. ARC 455 Historical and Theoretical Perspectives in Archaeology (3 cr.) with a grade of “AB” or higher
   d. ARC 489 Honors Thesis in Archaeology (3 cr.)

3. Evaluation
   a. Submission of the archaeology honors program evaluation form to the Department of Sociology and Archaeology program assistant by November 1st for winter graduation or April 1st for spring graduation
   b. A grade point average of 3.50 in the archaeology major at the time of submittal of the archaeology honors program evaluation form
   c. Positive progress towards successfully completing ARC 489 (“A” or “AB” at the time of submittal of the archaeology honors program evaluation form)
   d. Presentation of honors research topic in a formal setting (e.g., UW-L Undergraduate Research Day, National Conference for Undergraduate Research, etc.)
   e. Formal presentation of honors research at the UW-L Annual Spring Archaeology Honors Colloquium

Sociology Honors Program

The Sociology Honors Program is designed to stimulate and acknowledge work of greater depth, breadth and originality by students whose interest and resources make them eligible for this voluntary program. We encourage students who are planning on attending graduate school and who meet the honors program eligibility requirements to enroll in the Sociology Honors Program to strengthen their graduate school applications.

Program

1. Admission
   a. Twelve credits in the major
   b. Junior standing
   c. A 3.50 grade point average in the major
   d. A 3.25 cumulative grade point average overall
   e. Recommendation of two faculty members in the major submitted to the chair

2. Program
Women’s, Gender, and Sexuality Studies (WGS)

College of Liberal Studies
4300 Centennial Hall; 608.785.8357
Department Chair: Deb Hoskins
4302 Centennial Hall; 608.785.8734
Email: dhoskins@uwlaex.edu
www.uwlax.edu/wgss

Courses in WGSS provide students with new perspectives on the roles of women and men as individuals, within families and communities, and as participants in society across cultures. Based on research and analysis by WGSS scholars, courses examine how social structures, ideals, stereotypes, mores, and institutions shape people as gendered and sexual beings and in terms of their access to power. Courses also examine how people have responded to limitations systematically organized around gender as it intersects with race, class, sexual orientation, colonization, ethnicity, and other social hierarchies. Courses explore solutions to contemporary problems; internships allow deeper exploration. Because of its emphasis on communication, critical thinking, and problem-solving, WGSS courses are valuable in a broad range of employment settings. WGSS programs include courses within the interdisciplinary department as well as specialized courses in many other departments across the university.

Self-Sufficiency Program (SSP)
http://www.uwlax.edu/ssp/

The Department of Women’s, Gender, and Sexuality Studies sponsors the Self-Sufficiency Program (SSP), a pre-college college readiness initiative for low-income single parents. This free program provides a supportive learning environment in which to develop and practice academic skills. Classes meet weekly with childcare provided. Offered Fall and Spring semesters. Students interested in volunteer, service learning, and internship opportunities, call Andrea Hansen, SSP Director, at 608.785.8733 or email her at ahansen@uwlaex.edu.

Our people
Professor
Jodi Vandenberg-Daves (http://www.uwlax.edu/wgss/Jodi.htm)

Associate Professor
Deb Hoskins (http://www.uwlax.edu/wgss/Deb.htm)

Assistant Professor
Christina Haynes (http://www.uwlax.edu/wgss/Christina.htm)
Mahruq Khan (http://www.uwlax.edu/wgss/Mahruq.htm)
Terry Glenn Lilley Jr. (http://www.uwlax.edu/wgss/Terry.htm)

Senior Lecturer
Elise Denlinger (http://www.uwlax.edu/wgss/Elise.htm)

Academic Staff/Lecturer
Andrea Hansen (http://www.uwlax.edu/wgss/Andrea.htm)

Administrative Support
Kathleen Schultz

Affiliated Faculty
Faculty outside WGSS (http://www.uwlax.edu/wgss/Faculty.htm#Co)

Majors
• Women’s studies major - BA (p. 212)
• Women’s studies major - BS (p. 215)

Minor
• Women’s studies minor (p. 217)

Women's Studies Major - Bachelor of Arts (BA)

GENDER is a society’s ideas about what it means to be male or female. Gender works with other ideas like RACE, CLASS, SEXUAL ORIENTATION, to shape our lives. It influences how we think about relationships. It structures our decisions about work and determines how much money we are likely to make. It disrupts health diagnoses and treatment. It stigmatizes behaviors and actions. It even helps determine what we eat, wear, and buy.

And it has always generated action and organized movements seeking equality, worldwide.

The Department of WGSS enacts the Wisconsin Idea (http://www.wisconsinhistory.org/turningpoints/search.asp?id=752): that universities should produce knowledge and educate students in ways that serve real people. We study and teach on the lives of women, men, and sexual or gender identity minorities. We examine the ways that race, social class, age, and other socially constructed hierarchies connect to gender to impact people’s real lives. We study how social change works and what social justice might look like. We use and teach students to use academic skills to make social change. We maintain the connection between theory and practice, issues and advocacy, throughout our curricula and in all our programs.

Major requirements
(All colleges, excluding teacher certification programs)

33 credits (24 credits must be 300/400 level, and courses may not count in more than one category).

Admission

Admission to the major requires a grade of “C” or higher in any courses taken for the introductory or transnational categories. Students majoring in women’s studies and another major must satisfy requirements for both majors; no more than six credits can count for the women’s studies major and another major or minor.
## Curriculum

### Category I. Introductory
Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>WGS 100</td>
<td>Gender, Race and Class in American Institutions (ES)</td>
</tr>
<tr>
<td>WGS 210</td>
<td>Women's Voices / Women's Culture (ES)</td>
</tr>
<tr>
<td>WGS 230</td>
<td>Women’s Diversity: Race, Class, and Culture (ES)</td>
</tr>
</tbody>
</table>

### Category II. Transnational
Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>WGS/SOC 316</td>
<td>Gender, Sexuality, and Social Change in Religion</td>
</tr>
<tr>
<td>WGS/SOC 337</td>
<td>Globalization, Women, and Work</td>
</tr>
<tr>
<td>WGS 373</td>
<td>Gender and Human Rights</td>
</tr>
<tr>
<td>HIS 359</td>
<td>Women, Gender and Sexuality in Modern Europe</td>
</tr>
<tr>
<td>HIS 360</td>
<td>Women, Gender, and Sexuality in Latin America</td>
</tr>
<tr>
<td>HIS 383</td>
<td>Women in South Asia</td>
</tr>
<tr>
<td>HIS 386</td>
<td>Women and Gender in Africa</td>
</tr>
<tr>
<td>HIS 389</td>
<td>Women and Gender in the Middle East</td>
</tr>
<tr>
<td>POL 405</td>
<td>Women and Politics in the Middle East</td>
</tr>
<tr>
<td>POL 433</td>
<td>Women and Politics in Asia</td>
</tr>
<tr>
<td>POL 437</td>
<td>Women and Politics in Africa</td>
</tr>
<tr>
<td>POL 439</td>
<td>Women and Politics in Latin America</td>
</tr>
</tbody>
</table>

### Category III. Intimacy, sexuality, and the family
Select two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>WGS/SOC 105</td>
<td>Introduction to LGBT Studies</td>
</tr>
<tr>
<td>WGS/HIS 305</td>
<td>History of Motherhood in the United States</td>
</tr>
<tr>
<td>WGS 320</td>
<td>Violence Against Women</td>
</tr>
<tr>
<td>WGS/HIS 370</td>
<td>The History of Black Women’s Activism</td>
</tr>
<tr>
<td>WGS/SOC 375</td>
<td>Lesbian Studies</td>
</tr>
<tr>
<td>WGS/HIS 376</td>
<td>History of Childhood in the United States</td>
</tr>
<tr>
<td>WGS 386</td>
<td>Women of Color and Autobiography</td>
</tr>
<tr>
<td>CST 334</td>
<td>Gender Communication</td>
</tr>
<tr>
<td>HED 472</td>
<td>Sexual Health Promotion</td>
</tr>
<tr>
<td>PHL 342</td>
<td>Philosophy of Love, Sex and Friendship</td>
</tr>
<tr>
<td>PSY 305</td>
<td>Human Sexuality</td>
</tr>
<tr>
<td>PSY 318</td>
<td>Psychology of Women (ES)</td>
</tr>
<tr>
<td>PSY 319</td>
<td>Men and Masculinities</td>
</tr>
<tr>
<td>SOC 370</td>
<td>Sociology of Gender</td>
</tr>
</tbody>
</table>

### Category IV. Gender stratification
Select two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>WGS 230</td>
<td>Women’s Diversity: Race, Class, and Culture (ES)</td>
</tr>
<tr>
<td>WGS 255</td>
<td>Women in the Military</td>
</tr>
<tr>
<td>WGS/ESS/PSY 259</td>
<td>Girls and Women in Sport</td>
</tr>
<tr>
<td>WGS/HIS 301</td>
<td>Women in the Modern United States: 1890-Present</td>
</tr>
<tr>
<td>WGS 310</td>
<td>Masculinity, Femininity and Violence</td>
</tr>
<tr>
<td>WGS 320</td>
<td>Violence Against Women</td>
</tr>
<tr>
<td>WGS 331</td>
<td>Images of African American Women</td>
</tr>
<tr>
<td>WGS/SOC 338</td>
<td>Sociological Aspects of Work and Life</td>
</tr>
<tr>
<td>WGS 340</td>
<td>Women, Learning and Knowledge</td>
</tr>
<tr>
<td>WGS/HIS 370</td>
<td>The History of Black Women’s Activism</td>
</tr>
<tr>
<td>WGS 374</td>
<td>Women, Poverty and Public Policy</td>
</tr>
<tr>
<td>WGS/HIS 376</td>
<td>History of Childhood in the United States</td>
</tr>
<tr>
<td>ANT 250</td>
<td>Women and Society</td>
</tr>
<tr>
<td>ARC/HIS 372</td>
<td>History of Women in the Ancient World</td>
</tr>
<tr>
<td>ECO 336</td>
<td>Women in the U.S. Economy (ES)</td>
</tr>
<tr>
<td>ENG 220</td>
<td>Women and Popular Culture</td>
</tr>
<tr>
<td>HED 412</td>
<td>Women’s Health Issues</td>
</tr>
<tr>
<td>POL 205</td>
<td>Women and Politics (ES)</td>
</tr>
</tbody>
</table>

### Category V. Feminisms/social change
Select two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>WGS 201</td>
<td>Social Justice and Peer Education</td>
</tr>
<tr>
<td>WGS 225</td>
<td>Women and Leadership</td>
</tr>
<tr>
<td>WGS/ESS/PSY 259</td>
<td>Girls and Women in Sport</td>
</tr>
<tr>
<td>WGS/HIS 315</td>
<td>History of Feminist Thought</td>
</tr>
<tr>
<td>WGS 325</td>
<td>Black Feminist Thought</td>
</tr>
<tr>
<td>WGS 360</td>
<td>Hip Hop Culture, Race, and Gender</td>
</tr>
<tr>
<td>WGS/HIS 370</td>
<td>The History of Black Women’s Activism</td>
</tr>
<tr>
<td>WGS 373</td>
<td>Gender and Human Rights</td>
</tr>
<tr>
<td>WGS/SOC 375</td>
<td>Lesbian Studies</td>
</tr>
<tr>
<td>WGS 450</td>
<td>Internship in Women’s Studies</td>
</tr>
<tr>
<td>ENG 385</td>
<td>Women Authors</td>
</tr>
<tr>
<td>ENG 482</td>
<td>Advanced Study of Women’s Literature</td>
</tr>
<tr>
<td>PHL 324</td>
<td>Women and Diversity in Philosophy</td>
</tr>
<tr>
<td>SAH 307</td>
<td>Changing the Culture, Women in Science (ES)</td>
</tr>
</tbody>
</table>

### Category VI. Theory and practice

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>WGS/HIS 315</td>
<td>History of Feminist Thought</td>
</tr>
<tr>
<td>or WGS 325</td>
<td>Black Feminist Thought</td>
</tr>
<tr>
<td>WGS 390</td>
<td>Social Justice Research Methods</td>
</tr>
<tr>
<td>WGS 499</td>
<td>Women’s Studies Seminar</td>
</tr>
</tbody>
</table>

### Degree requirements
All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 213)
- Baccalaureate degree requirements (p. 214)

### CLS Bachelor of Arts core requirements
The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: *Mathematical/logical systems and
modern languages" (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track
1. Native speakers of English complete:
   Select one of the following:
   - CHI 202 Intermediate Chinese II
   - FRE 202 Intermediate French II
   - GER 202 Intermediate German II
   - RUS 202 Intermediate Russian II
   - SPA 202 Intermediate Spanish II
   - MLG 202 World Languages: Intermediate II
   - MLG 204 Heritage Language: Intermediate
   - MLG 304 Heritage Language: Advanced

   Non-native speakers of English: score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university’s English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations); and
2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

B. Humanities track
1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

C. Fine arts track
1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:
1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees
Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:
1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.
Women's Studies Major - Bachelor of Science (BS)

GENDER is a society's ideas about what it means to be male or female. Gender works with other ideas like RACE, CLASS, SEXUAL ORIENTATION, to shape our lives. It influences how we think about relationships. It structures our decisions about work and determines how much money we are likely to make. It disrupts health diagnoses and treatment. It stigmatizes behaviors and actions. It even helps determine what we eat, wear, and buy.

And it has always generated action and organized movements seeking equality, worldwide.

The Department of WGSS enacts the Wisconsin Idea (http://www.wisconsinhistory.org/turningpoints/search.asp?id=752): that universities should produce knowledge and educate students in ways that serve real people. We study and teach on the lives of women, men, and sexual or gender identity minorities. We examine the ways that race, social class, age, and other socially constructed hierarchies connect to gender to impact people's real lives. We study how social change works and what social justice might look like. We use and teach students to use academic skills to make social change. We maintain the connection between theory and practice, issues and advocacy, throughout our curricula and in all our programs.

Major requirements

(All colleges, excluding teacher certification programs)

33 credits (24 credits must be 300/400 level, and courses may not count in more than one category).

Admission

Admission to the major requires a grade of "C" or higher in any courses taken for the introductory or transnational categories. Students majoring in women's studies and another major must satisfy requirements for both majors; no more than six credits can count for the women's studies major and another major or minor.

Curriculum

<table>
<thead>
<tr>
<th>Category I. Introductory</th>
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</thead>
<tbody>
<tr>
<td>WGS 100 Gender, Race and Class in American Institutions (ES)</td>
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<td>WGS 210 Women’s Voices / Women’s Culture (ES)</td>
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<tr>
<td>WGS 230 Women’s Diversity: Race, Class, and Culture (ES)</td>
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<tr>
<th>Category II. Transnational</th>
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<tbody>
<tr>
<td>WGS/SOC 316 Gender, Sexuality, and Social Change in Religion</td>
<td></td>
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<tr>
<td>WGS/SOC 337 Globalization, Women, and Work</td>
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<tr>
<td>WGS 373 Gender and Human Rights</td>
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<tr>
<td>HIS 359 Women, Gender and Sexuality in Modern Europe</td>
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<tr>
<td>HIS 360 Women, Gender, and Sexuality in Latin America</td>
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<td>HIS 383 Women in South Asia</td>
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<td>HIS 386 Women and Gender in Africa</td>
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<td>HIS 389 Women and Gender in the Middle East</td>
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<td>POL 405 Women and Politics in the Middle East</td>
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<thead>
<tr>
<th>Category III. Intimacy, sexuality, and the family</th>
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<tbody>
<tr>
<td>WGS/SOC 105 Introduction to LGBT Studies</td>
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<tr>
<td>WGS/HIS 305 History of Motherhood in the United States</td>
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<tr>
<td>WGS 320 Violence Against Women</td>
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<tr>
<td>WGS/HIS 370 The History of Black Women’s Activism</td>
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<tr>
<td>WGS/SOC 375 Lesbian Studies</td>
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<tr>
<td>WGS/HIS 376 History of Childhood in the United States</td>
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<td>WGS 386 Women of Color and Autobiography</td>
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<td>CST 334 Gender Communication</td>
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<td>HED 472 Sexual Health Promotion</td>
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<td>PHL 342 Philosophy of Love, Sex and Friendship</td>
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<td>PSY 305 Human Sexuality</td>
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<tr>
<td>PSY 318 Psychology of Women (ES)</td>
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<tr>
<td>PSY 319 Men and Masculinities</td>
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<td>SOC 370 Sociology of Gender</td>
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<table>
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<tr>
<th>Category IV. Gender stratification</th>
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<tr>
<td>WGS 230 Women’s Diversity: Race, Class, and Culture (ES)</td>
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<tr>
<td>WGS 255 Women in the Military</td>
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<tr>
<td>WGS/ESS/PSY 259 Girls and Women in Sport</td>
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<tr>
<td>WGS/HIS 301 Women in the Modern United States: 1890-Present</td>
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<tr>
<td>WGS 310 Masculinity, Femininity and Violence</td>
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<td>WGS 320 Violence Against Women</td>
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<td>WGS 331 Images of African American Women</td>
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<tr>
<td>WGS/SOC 338 Sociological Aspects of Work and Life</td>
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<td>WGS 340 Women, Learning and Knowledge</td>
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<tr>
<td>WGS/HIS 370 The History of Black Women’s Activism</td>
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<td>WGS 374 Women, Poverty and Public Policy</td>
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<tr>
<td>WGS/HIS 376 History of Childhood in the United States</td>
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<tr>
<td>ANT 250 Women and Society</td>
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<td>ARC/HIS 372 History of Women in the Ancient World</td>
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<td>ECO 336 Women in the U.S. Economy (ES)</td>
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<td>ENG 220 Women and Popular Culture</td>
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<td>HED 412 Women’s Health Issues</td>
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<td>POL 205 Women and Politics (ES)</td>
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<tr>
<th>Category V. Feminisms/social change</th>
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<tbody>
<tr>
<td>WGS 201 Social Justice and Peer Education</td>
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<tr>
<td>WGS 225 Women and Leadership</td>
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<tr>
<td>WGS/ESS/PSY 259 Girls and Women in Sport</td>
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<tr>
<td>WGS/HIS 315 History of Feminist Thought</td>
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<tr>
<td>WGS 325 Black Feminist Thought</td>
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<tr>
<td>WGS 360 Hip Hop Culture, Race, and Gender</td>
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<tr>
<td>WGS/HIS 370 The History of Black Women’s Activism</td>
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<tr>
<td>WGS 373 Gender and Human Rights</td>
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</tbody>
</table>
Degree requirements

All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 216)
- Baccalaureate degree requirements (p. 216)

CLS Bachelor of Science core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE02, category 2).

Bachelor of Science students complete four courses outside the department of the student’s major as follows:

1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 339); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.
Women's Studies Minor

(All colleges)

21 credits (Courses may not count in more than one category.)

**Category I**

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>WGS 100</td>
<td>Gender, Race and Class in American Institutions (ES)</td>
</tr>
<tr>
<td>WGS 210</td>
<td>Women's Voices / Women's Culture (ES)</td>
</tr>
<tr>
<td>WGS 230</td>
<td>Women's Diversity: Race, Class, and Culture (ES)</td>
</tr>
</tbody>
</table>

3 credits

**Category II**

Select nine credits minimum from WGS classes of the following, with at least six credits at the 300 level or above:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>WGS/SOC 105</td>
<td>Introduction to LGBT Studies</td>
</tr>
<tr>
<td>WGS 210</td>
<td>Women's Voices / Women's Culture (ES)</td>
</tr>
<tr>
<td>WGS 225</td>
<td>Women and Leadership</td>
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<tr>
<td>WGS 230</td>
<td>Women's Diversity: Race, Class, and Culture (ES)</td>
</tr>
<tr>
<td>WGS 240</td>
<td>Contemporary Women's Issues</td>
</tr>
<tr>
<td>WGS 250</td>
<td>Topics in Women's Studies</td>
</tr>
<tr>
<td>WGS 255</td>
<td>Women in the Military</td>
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<tr>
<td>WGS/ESS/PSY 259</td>
<td>Girls and Women in Sport</td>
</tr>
<tr>
<td>WGS 300</td>
<td>Independent Study</td>
</tr>
<tr>
<td>WGS/HIS 301</td>
<td>Women in the Modern United States: 1890-Present</td>
</tr>
<tr>
<td>WGS/HIS 305</td>
<td>History of Motherhood in the United States</td>
</tr>
<tr>
<td>WGS 310</td>
<td>Masculinity, Femininity and Violence</td>
</tr>
<tr>
<td>WGS/HIS/SOC 316</td>
<td>History of Feminist Thought</td>
</tr>
<tr>
<td>WGS 320</td>
<td>Violence Against Women</td>
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<tr>
<td>WGS 325</td>
<td>Black Feminist Thought</td>
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<tr>
<td>WGS 330</td>
<td>Topics: Women, Gender, and Society</td>
</tr>
<tr>
<td>WGS 331</td>
<td>Images of African American Women</td>
</tr>
<tr>
<td>WGS/SOC 337</td>
<td>Globalization, Women, and Work</td>
</tr>
<tr>
<td>WGS/SOC 338</td>
<td>Sociological Aspects of Work and Life</td>
</tr>
<tr>
<td>WGS 340</td>
<td>Women, Learning and Knowledge</td>
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<tr>
<td>WGS 360</td>
<td>Hip Hop Culture, Race, and Gender</td>
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<tr>
<td>WGS/HIS 370</td>
<td>The History of Black Women's Activism</td>
</tr>
<tr>
<td>WGS 373</td>
<td>Gender and Human Rights</td>
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<tr>
<td>WGS 374</td>
<td>Women, Poverty and Public Policy</td>
</tr>
<tr>
<td>WGS/SOC 375</td>
<td>Lesbian Studies</td>
</tr>
<tr>
<td>WGS/HIS 376</td>
<td>History of Childhood in the United States</td>
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<tr>
<td>WGS 386</td>
<td>Women of Color and Autobiography</td>
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<td>WGS 390</td>
<td>Social Justice Research Methods</td>
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<td>WGS 450</td>
<td>Internship in Women's Studies</td>
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9 credits

**Category III**

Select six credits from the following:

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<thead>
<tr>
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<tbody>
<tr>
<td>ANT 250</td>
<td>Women and Society</td>
</tr>
<tr>
<td>ARC 372</td>
<td>History of Women in the Ancient World</td>
</tr>
<tr>
<td>CST 334</td>
<td>Gender Communication</td>
</tr>
<tr>
<td>CST 338</td>
<td>Sexuality and Romance in Media</td>
</tr>
<tr>
<td>ECO 336</td>
<td>Women in the U.S. Economy (ES)</td>
</tr>
<tr>
<td>ENG 220</td>
<td>Women and Popular Culture</td>
</tr>
<tr>
<td>ENG 385</td>
<td>Women Authors</td>
</tr>
<tr>
<td>ENG 482</td>
<td>Advanced Study of Women's Literature</td>
</tr>
<tr>
<td>HED 201</td>
<td>Social Justice and Peer Education</td>
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<tr>
<td>HED 412</td>
<td>Women's Health Issues</td>
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<td>HED 472</td>
<td>Sexual Health Promotion</td>
</tr>
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<td>HIS 301</td>
<td>Women in the Modern United States: 1890-Present</td>
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<td>HIS 305</td>
<td>History of Motherhood in the United States</td>
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<td>HIS 315</td>
<td>History of Feminist Thought</td>
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<tr>
<td>HIS 359</td>
<td>Women, Gender and Sexuality in Modern Europe</td>
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<tr>
<td>HIS 360</td>
<td>Women, Gender, and Sexuality in Latin America</td>
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<td>HIS 370</td>
<td>The History of Black Women's Activism</td>
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<td>HIS 372</td>
<td>History of Women in the Ancient World</td>
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<td>HIS 376</td>
<td>History of Childhood in the United States</td>
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<td>HIS 383</td>
<td>Women in South Asia</td>
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<td>HIS 386</td>
<td>Women and Gender in Africa</td>
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<tr>
<td>HIS 389</td>
<td>Women and Gender in the Middle East</td>
</tr>
<tr>
<td>HIS 397</td>
<td>Women and Diversity in Philosophy</td>
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<td>HIS 398</td>
<td>Philosophy of Love, Sex and Friendship</td>
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<td>HIS 494</td>
<td>Advanced Topics in Philosophy</td>
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<td>POL 205</td>
<td>Women and Politics (ES)</td>
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<td>POL 405</td>
<td>Women and Politics in the Middle East</td>
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<td>POL 433</td>
<td>Women and Politics in Asia</td>
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<td>POL 437</td>
<td>Women and Politics in Africa</td>
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<td>POL 439</td>
<td>Women and Politics in Latin America</td>
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<td>PSY 305</td>
<td>Human Sexuality</td>
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<tr>
<td>PSY 318</td>
<td>Psychology of Women (ES)</td>
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<tr>
<td>PSY 319</td>
<td>Men and Masculinities</td>
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<td>SAH 307</td>
<td>Changing the Culture, Women in Science (ES)</td>
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<tr>
<td>SOC 105</td>
<td>Introduction to LGBT Studies</td>
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<tr>
<td>SOC 316</td>
<td>Gender, Sexuality, and Social Change in Religion</td>
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<tr>
<td>SOC 337</td>
<td>Globalization, Women, and Work</td>
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<tr>
<td>SOC 338</td>
<td>Sociological Aspects of Work and Life</td>
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<tr>
<td>SOC 370</td>
<td>Sociology of Gender</td>
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<td>SOC 375</td>
<td>Lesbian Studies</td>
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6 credits

**Category IV**

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>WGS 499</td>
<td>Women's Studies Seminar</td>
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</tbody>
</table>

3 credits

**Total Credits** 21
The School of Arts and Communication is dedicated to supporting and enhancing liberal studies while providing a complete pre-professional curriculum. School of Arts and Communication programs strive to develop the knowledge, freedom, and spontaneity which underlie creative expression in its highest forms. Classes focus on establishing the foundations for creative work through the study of technical, historical, and artistic dimensions in the arts. The primary activity involves hands-on experience, so students spend much of their time in laboratories, studios, and rehearsals developing the skills, processes, and attitudes necessary for success. Students in these programs specialize in a particular art or communication discipline as they acquire general knowledge through the liberal studies core. Upon completion of their program, they have a wide range of occupational and educational choices. Some graduates begin careers in the fine or performing arts or the mass media. Others enter graduate schools, specializing in some aspect of their previous study or in some related field. Still others choose from a wide range of occupations where their creative and communicative skills serve them well. Whatever the career and whatever the future, graduates of the School of Arts and Communication are flexible, adaptable, and disciplined communicators who understand process, problem solving, and commitment.

The School of Arts and Communication is housed within the College of Liberal Studies.

Degrees offered
- Bachelor of Arts
- Bachelor of Science

Majors and minors
B.A. = Bachelor of Arts B.S. = Bachelor of Science m = minor
- Art (p. 220) (B.A., B.S., m)
  - Photography (m)
  - Art Education (B.S.)
- Communication Studies (p. 226)
  - Interpersonal Communication (B.A., B.S., m)
  - Organizational & Professional Communication (B.A., B.S., m)
  - Advocacy & Communication Criticism (B.A., B.S., m)
- Broadcast & Digital Communication (B.A., B.S., m)
- Sports Broadcasting (m)
- Music (p. 243) (m)
  - Choral Education Emphasis (B.S.)
  - General Education Emphasis (B.S.)
  - History Emphasis (B.A., B.S.)
  - Instrumental Education Emphasis (B.S.)
  - Jazz Performance Emphasis (B.A., B.S.)
  - Music Theatre Emphasis (B.A., B.S., m)
  - Performance Emphasis (B.A., B.S.)
  - Piano Pedagogy (B.A., B.S.)
  - Theory Emphasis (B.A., B.S.)
- Theatre Arts (p. 265)
  - Arts Administration Emphasis (B.A., B.S., m)
  - Design/Technical Emphasis (B.A., B.S., m)
  - General Emphasis (B.A., B.S., m)
  - Music Theatre Emphasis (B.A., B.S., m)
  - Performance Emphasis (B.A., B.S., m)
  - Stage Management Emphasis (B.A., B.S., m)

Advising

All students in the School of Arts and Communication who have declared majors are assigned to faculty advisors. Advisors provide guidance and assistance to develop plans for post-college experiences. Students and their advisors are provided with Advisement Reports (AR) that assist them in monitoring progress toward meeting degree requirements. Degrees are verified in the dean's office. Students are encouraged to come to the office to review progress toward the degree during their junior year.

The School of Arts and Communication is housed in the College of Liberal Studies and therefore requires students to meet the CLS core requirements for either the Bachelor of Arts or the Bachelor of Science degree below.

CLS Bachelor of Arts core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.
Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track

1. Native speakers of English complete:

   Select one of the following:
   - CHI 202 Intermediate Chinese II
   - FRE 202 Intermediate French II
   - GER 202 Intermediate German II
   - RUS 202 Intermediate Russian II
   - SPA 202 Intermediate Spanish II
   - MLG 202 World Languages: Intermediate II
   - MLG 204 Heritage Language: Intermediate
   - MLG 304 Heritage Language: Advanced

2. Two additional courses outside of the student’s major in the following: humanities, social sciences or fine arts.

B. Humanities track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

C. Fine arts track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

CLS Bachelor of Science core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).

Bachelor of Science students complete four courses outside the department of the student’s major as follows:

1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 339); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any
college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Graduation/degree requirements

A student in the School of Arts and Communication may earn either the Bachelor of Arts (B.A.) or the Bachelor of Science (B.S.) degree. The type of degree earned by a student (B.A. or B.S.) may be determined by the major programs elected by the student. All general university degree requirements must be met: a minimum of 120 credits (40 of which must be 300/400 numbered courses), general education program requirements, college core requirements and major program requirements.

Art (ART)

College of Liberal Studies
School of Arts and Communication
Department Chair: Donald Sloan
105 Center For The Arts; 608.785.8230
Email: dsloan@uwlaus.edu

www.uwlax.edu/art

The Department of Art provides a creative educational environment that encourages intellectual development, visual literacy, and artistic production and fosters the development of graduates who are active citizens and advocates for the arts. Studios and classrooms in the Center for the Arts provide UW-La Crosse with an excellent environment for learning, featuring a mix of new and traditional equipment for ceramics, metal, painting, printmaking, and sculpture. A drawing studio, design studio, and new Macintosh computer lab complete the laboratory areas. Photography is taught in the recently renovated Wing Technology Center and contains state-of-the-art black and white photography labs, a digital imaging lab, a north light studio, and high tech classrooms.

The University Art Gallery, located in the Center for the Arts, schedules displays of art works by students, faculty, and regional and nationally known artists. In conjunction with the gallery program, the department periodically invites visiting artists to present lectures for students and the public. Lectures, workshops, and demonstrations are offered whenever possible.

To help meet school expenses, many art majors work in the Department of Art as student studio assistants, digital imaging specialists, clerical help, gallery exhibition installers and attendants, and models. Annually, the Department of Art gives promising art students scholarships and awards. Students also have the opportunity to be placed in art internship programs throughout the region.

Credit by examination

The Department of Art offers the opportunity to receive credit by examination based on an optional portfolio review. The review is intended for students in the early stages of the program who have developed a portfolio that may demonstrate sufficient quality and understanding of the content and skills in the foundations of studio art. Portfolios are reviewed by faculty in the department, based on the quality of the work submitted and other criteria stated in the application. This process would enable students, based on a successful portfolio review, to receive credit for a foundations-level course.

The department offers this opportunity for its foundations studio courses (ART 162 Drawing Foundations (3 cr.), ART 164 Design Foundations (3 cr.), and ART 166 Three Dimensional Foundations (3 cr.)). To apply, contact the Department of Art (http://www.uwlax.edu/art), 105 Center for the Arts.

Note: Credit by exam is not available for ART 160 or ART 172.

General education writing emphasis

This department incorporates a significant amount of writing through the required courses instead of identifying particular courses as writing emphasis courses. Students who complete a major in this department will fulfill the general education writing emphasis requirement (p. 50).

Our people

Professor
Joel Elgin
Karen Terpstra

Associate Professor
John Ready
Linda Levinson
Jennifer Terpstra

Assistant Professor
Kathleen Hawkes
Bradley Nichols
Binod Shrestha
Donald Sloan

Associate Lecturer
Deborah-Eve Lombard
Stella Vogner

Administrative Support
Tina Connelly

Majors
• Art major - BA (p. 220)
• Art major - BS (p. 222)
• Art education major - BS (p. 224)

Minors
• Art minor: two dimensional emphasis (p. 225)
• Art minor: three dimensional emphasis (p. 225)
• Photography minor (p. 225)

Art Major - Bachelor of Arts (BA)

Major Requirements

(All colleges, excluding teacher certification programs)

48 credits
Core curriculum

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ART 160</td>
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<td>ART 162</td>
<td>Drawing Foundations</td>
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<td>ART 164</td>
<td>Design Foundations</td>
<td>3</td>
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<tr>
<td>ART 166</td>
<td>Three Dimensional Foundations</td>
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<tr>
<td>ART 251</td>
<td>Art History I: Ancient and Medieval Art</td>
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<tr>
<td>ART 252</td>
<td>Art History II: Renaissance to Contemporary Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 262</td>
<td>Drawing II</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following: 3

- ART 331 Art of the United States
- ART 332 Contemporary Art
- ART 341 Selected Topics in Art History

Select three of the following: 9

- ART 204 Watercolor Painting
- ART 205 Introduction to Painting
- ART 207 Introduction to Computer Graphic Design
- ART 214 Introduction to Sculpture
- ART 216 Introduction to Ceramics
- ART 218 Introduction to Printmaking: Intaglio
- ART 220 Introduction to Metalsmithing, Forging & Raising
- ART 221 Introduction to Metalsmithing
- ART 272 Photography and Imaging I

Select four of the following: 12

- ART 304 Color Theory
- ART 305 Intermediate Painting
- ART 308 Intermediate Computer Graphic Design
- ART 314 Intermediate Sculpture
- ART 316 Intermediate Ceramics
- ART 318 Intermediate Printmaking: Lithography
- ART 320 Intermediate Metalsmithing: Forging and Raising
- ART 321 Intermediate Metalsmithing
- ART 362 Drawing III
- ART 405 Advanced Painting
- ART 408 Advanced Computer Graphic Design
- ART 413 Independent Study
- ART 414 Advanced Sculpture
- ART 416 Advanced Ceramics
- ART 418 Advanced Printmaking
- ART 419 Individual Problems in Printmaking
- ART 421 Advanced Metalsmithing
- ART 425 Perspectives in Art
- ART 462 Advanced Drawing
- ART 399 Seminar in Professional Practices and Problems (required to be taken in the junior year) 2
- ART 499 Senior Exhibition (required to be taken in the senior year) 1

Total Credits 48

Degree Requirements

All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 221)
- Baccalaureate degree requirements (p. 222)

**CLS Bachelor of Arts core requirements**

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

**A. Language track**

1. **Native speakers of English** complete:
   - Select one of the following:
     - CHI 202 Intermediate Chinese II
     - FRE 202 Intermediate French II
     - GER 202 Intermediate German II
     - RUS 202 Intermediate Russian II
     - SPA 202 Intermediate Spanish II
     - MLG 202 World Languages: Intermediate II
     - MLG 204 Heritage Language: Intermediate
     - MLG 304 Heritage Language: Advanced

2. **Non-native speakers of English**: score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university's English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations); and

2. Two additional courses outside of the student's major in two of the following: humanities, social sciences or fine arts.
B. Humanities track
1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

C. Fine arts track
1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:
1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees
Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:
1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by December 1. May and summer graduates should file by May 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Art Major - Bachelor of Science (BS)

Major requirements
(All colleges, excluding teacher certification programs)

48 credits

Core curriculum

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 160</td>
<td>General Art Foundations</td>
<td>3</td>
</tr>
<tr>
<td>ART 162</td>
<td>Drawing Foundations</td>
<td>3</td>
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<td>ART 164</td>
<td>Design Foundations</td>
<td>3</td>
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<tr>
<td>ART 166</td>
<td>Three Dimensional Foundations</td>
<td>3</td>
</tr>
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<td>ART 251</td>
<td>Art History I: Ancient and Medieval Art</td>
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<td>ART 252</td>
<td>Art History II: Renaissance to Contemporary Art</td>
<td>3</td>
</tr>
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<td>ART 262</td>
<td>Drawing II</td>
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<td>Select one of the following:</td>
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<td>ART 331</td>
<td>Art of the United States</td>
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<td>ART 332</td>
<td>Contemporary Art</td>
<td>3</td>
</tr>
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<td>ART 341</td>
<td>Selected Topics in Art History</td>
<td>3</td>
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<td>Select three of the following:</td>
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<td>ART 204</td>
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<td>ART 207</td>
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<td>Introduction to Ceramics</td>
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<td>ART 218</td>
<td>Introduction to Printmaking: Intaglio</td>
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<td>ART 220</td>
<td>Introduction to Metalsmithing, Forging &amp; Raising</td>
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<td>ART 221</td>
<td>Introduction to Metalsmithing</td>
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<tr>
<td>ART 272</td>
<td>Photography and Imaging I</td>
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<td>Select four of the following:</td>
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<td>ART 305</td>
<td>Intermediate Painting</td>
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<td>ART 308</td>
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<td>ART 314</td>
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<td>ART 316</td>
<td>Intermediate Ceramics</td>
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<td>ART 318</td>
<td>Intermediate Printmaking: Lithography</td>
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<td>ART 320</td>
<td>Intermediate Metalsmithing: Forging and Raising</td>
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<tr>
<td>ART 362</td>
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<td>ART 405</td>
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<td>ART 414</td>
<td>Advanced Sculpture</td>
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</tbody>
</table>
Bachelor of Science students complete four courses outside the department of the student’s major as follows:

1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 339); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

### Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA.\(^1\) At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA\(^1\) in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

\(^1\) Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.
### Art Education Major - Bachelor of Science (BS)

#### Major requirements

Admission requirements to EC-A teacher certification programs (p. 401)

(Teacher certification program: early childhood-adolescence licensure, EC-A)

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<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
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<td>ART 162</td>
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<td>ART 164</td>
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<td>ART 205</td>
<td>Introduction to Painting</td>
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<td>3</td>
<td>ART 216</td>
<td>Introduction to Ceramics</td>
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<td>3</td>
<td>ART 252</td>
<td>Art History II: Renaissance to Contemporary Art</td>
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<tr>
<td>2</td>
<td>ART 299</td>
<td>Seminar in Professional Practices and Problems</td>
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<tr>
<td>1</td>
<td>ART 399</td>
<td>Senior Exhibition</td>
</tr>
</tbody>
</table>

#### Core curriculum

- **ART 301** World Art
- **ART 331** Art of the United States
- **ART 332** Contemporary Art
- **ART 341** Selected Topics in Art History

#### Studio core I

Select 9 credits in 200 level courses

- **ART 204** Watercolor Painting
- **ART 205** Introduction to Painting
- **ART 207** Introduction to Computer Graphic Design
- **ART 214** Introduction to Sculpture
- **ART 216** Introduction to Ceramics
- **ART 218** Introduction to Printmaking: Intaglio
- **ART 220** Introduction to Metalsmithing, Forging & Raising
- **ART 221** Introduction to Metalsmithing
- **ART 223** Introduction to Blacksmithing
- **ART 262** Drawing II

#### Methods core

- **ART 401** Methods in Art Education: Elementary to Early Adolescent Learners (3 cr.)
- **ART 403** Methods in Art: Early Adolescence-Adolescence

#### Studio core II

Select 12 credits in studio core II (studio courses at the 300/400 level)

- **ART 304** Color Theory
- **ART 305** Intermediate Painting
- **ART 308** Intermediate Computer Graphic Design
- **ART 314** Intermediate Sculpture
- **ART 316** Intermediate Ceramics
- **ART 318** Intermediate Printmaking: Lithography
- **ART 320** Intermediate Metalsmithing: Forging and Raising
- **ART 321** Intermediate Metalsmithing
- **ART 323** Intermediate Blacksmithing
- **ART 362** Drawing III

Additional teacher education requirements are listed in School of Education (p. 397).

### Degree requirements

All students must complete the general education, college core (waived for teacher certification programs), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- **General education** (p. 50)
- **Baccalaureate degree requirements** (p. 224)

### Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.
Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

**Art Minor: Two Dimensional Emphasis**

(All colleges)

24 credits

**Core Curriculum**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 160</td>
<td>General Art Foundations</td>
<td>3</td>
</tr>
<tr>
<td>ART 162</td>
<td>Drawing Foundations</td>
<td>3</td>
</tr>
<tr>
<td>ART 164</td>
<td>Design Foundations</td>
<td>3</td>
</tr>
<tr>
<td>ART 252</td>
<td>Art History II: Renaissance to Contemporary Art</td>
<td>3</td>
</tr>
<tr>
<td>Plus 12 credits in one 2D emphasis area (see below)</td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 24

**2D emphases areas:**

**Drawing emphasis**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 262</td>
<td>Drawing II</td>
<td>3</td>
</tr>
<tr>
<td>ART 362</td>
<td>Drawing III</td>
<td>3</td>
</tr>
<tr>
<td>ART 462</td>
<td>Advanced Drawing</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ART 425</td>
<td>Perspectives in Art</td>
<td></td>
</tr>
<tr>
<td>ART 462</td>
<td>Advanced Drawing (second course)</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 12

**Graphic design emphasis**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 207</td>
<td>Introduction to Computer Graphic Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 308</td>
<td>Intermediate Computer Graphic Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 408</td>
<td>Advanced Computer Graphic Design</td>
<td>3</td>
</tr>
<tr>
<td>ART 425</td>
<td>Perspectives in Art</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 12

**Painting emphasis**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 205</td>
<td>Introduction to Painting</td>
<td>3</td>
</tr>
<tr>
<td>ART 304</td>
<td>Color Theory</td>
<td>3</td>
</tr>
<tr>
<td>ART 305</td>
<td>Intermediate Painting</td>
<td>3</td>
</tr>
<tr>
<td>ART 405</td>
<td>Advanced Painting</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 12

**Printmaking emphasis**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 218</td>
<td>Introduction to Printmaking: Intaglio</td>
<td>3</td>
</tr>
<tr>
<td>ART 318</td>
<td>Intermediate Printmaking: Lithography</td>
<td>3</td>
</tr>
<tr>
<td>ART 418</td>
<td>Advanced Printmaking</td>
<td>3</td>
</tr>
<tr>
<td>ART 419</td>
<td>Individual Problems in Printmaking</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 12

**Art Minor: Three Dimensional Emphasis**

(All colleges)

24 credits

**Core Curriculum**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 160</td>
<td>General Art Foundations</td>
<td>3</td>
</tr>
<tr>
<td>ART 166</td>
<td>Three Dimensional Foundations</td>
<td>3</td>
</tr>
<tr>
<td>ART 252</td>
<td>Art History II: Renaissance to Contemporary Art</td>
<td>3</td>
</tr>
</tbody>
</table>

Six credits in 200 level 3D studios:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 214</td>
<td>Introduction to Sculpture</td>
<td>3</td>
</tr>
<tr>
<td>ART 216</td>
<td>Introduction to Ceramics</td>
<td>3</td>
</tr>
<tr>
<td>ART 220</td>
<td>Introduction to Metalsmithing, Forging &amp; Raising</td>
<td>3</td>
</tr>
<tr>
<td>ART 221</td>
<td>Introduction to Metalsmithing</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus 9 credits in one 3D emphasis area (see below) 9

Total Credits 24

**3D emphases areas:**

**Ceramic emphasis**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 316</td>
<td>Intermediate Ceramics</td>
<td>3</td>
</tr>
<tr>
<td>ART 416</td>
<td>Advanced Ceramics</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following: 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 425</td>
<td>Perspectives in Art</td>
<td></td>
</tr>
<tr>
<td>ART 416</td>
<td>Advanced Ceramics (second course)</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 9

**Jewelry and metalsmithing emphasis**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 321</td>
<td>Intermediate Metalsmithing</td>
<td>3</td>
</tr>
<tr>
<td>ART 421</td>
<td>Advanced Metalsmithing</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following: 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 425</td>
<td>Perspectives in Art</td>
<td></td>
</tr>
<tr>
<td>ART 421</td>
<td>Advanced Metalsmithing (second course)</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 9

**Sculpture emphasis**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 314</td>
<td>Intermediate Sculpture</td>
<td>3</td>
</tr>
<tr>
<td>ART 414</td>
<td>Advanced Sculpture</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following: 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 425</td>
<td>Perspectives in Art</td>
<td></td>
</tr>
<tr>
<td>ART 414</td>
<td>Advanced Sculpture (second course)</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 9

**Photography Minor**

(All colleges)

24 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 160</td>
<td>General Art Foundations</td>
<td>3</td>
</tr>
<tr>
<td>ART 172</td>
<td>Photography Survey</td>
<td>3</td>
</tr>
<tr>
<td>ART 419</td>
<td>Individual Problems in Printmaking</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 12
ART 272  Photography and Imaging I  3
ART 372  Photography and Imaging II  3
Select 12 credits of the following:  12
ART 252  Art History II: Renaissance to Contemporary Art
ART 373  Documentary Strategies in Photography
ART 375  Special Projects in Photography
ART 376  Portraiture in Photography
ART 377  Color Photography
ART 378  Advanced Digital Photography and Imaging
ART 379  Applied Photography
ART 473  Documentary/Editorial Photography II
ART 475  Perspectives in Art: Photography

Total Credits  24

Communication Studies (CST)

College of Liberal Studies
School of Arts and Communication
Department Chair: Linda Dickmeyer
4206 Centennial Hall; 608.785.8519
Email: ldickmeyer@uwlax.edu

www.uwlax.edu/commstudies

A major in the Communication Studies Program provides excellent knowledge foundation and general skills for many types of jobs in both the private and public sectors of the economy. The Department of Communication Studies provides nearly fifty courses in four curriculum areas: advocacy and communication criticism, broadcast and digital media, interpersonal communication, and organizational and professional communication. Each student who elects the 39 credit major in communication studies must select one of these areas as an emphasis in the program. Each of these curriculum areas is also available as a 24 credit minor. A minor in communication studies is valuable with any major.

The Department of Communication Studies faculty members help build skills not only in the student’s area of program emphasis, but across the communication studies field. Because of the department’s focus on academic training and professional skill building, communication studies graduates develop outstanding abilities in writing, speaking, organization, and critical thinking.

Admission to program

To declare a CST major, students must fulfill the following admission requirements:

1. Completion of a minimum of 45 semester credits (transfer students must have completed a minimum of 24 of the 45 semester credits at UW-L).
2. Successful completion ("C" or better) of CST 110 and either ENG 110 or ENG 112.
3. Completion of CST 190 with grade of "B" or better. A student who does not receive a "B" or better in CST 190 must receive a "B" or better in CST 301 for admission to the major.
4. Achieve a UW-L cumulative GPA of 2.70, and then maintain a UW-L cumulative GPA of 2.70 to remain in good standing in the major. Students whose UW-L cumulative GPA drops below 2.70 will have one probationary semester to raise the UW-L cumulative GPA back to a 2.70. Students who do not achieve a UW-L cumulative GPA of 2.70 after the probationary semester will be dropped from the major.

Students who have fulfilled these requirements must see the CST Department chair or their CST faculty advisor to obtain approval to declare the major. A current Advisement Report (AR) will document fulfillment of admission requirements. The approval form then must be submitted to the Office of the Dean of the College of Liberal Studies.

To appeal admission requirements, students must submit the following materials to the CST Department Chair to be considered for admission to the major:

1. A copy of the student’s current unofficial transcript; and
2. A persuasive letter requesting waiver of the specific admission requirements not met that justifies admission to the major in spite of deficiencies in admission requirements.

Appeals will be evaluated by the CST Department’s Executive Committee. Students who appeal should understand that appeals are rarely granted.

CST major and minor credits

CST majors may choose any minor offered by the CST Department that does not duplicate the emphasis they have selected for their CST major. Courses counted toward the 39-credit major, while they may fulfill requirements for that minor, may not be counted in the minor. An additional elective course or courses in the minor must be taken to complete the 24 credits required in that minor. Students who combine a CST major with a minor also offered by the CST Department must complete 60 credits of courses in CST programs.

General education writing emphasis

This department incorporates a significant amount of writing through the required courses instead of identifying particular courses as writing emphasis courses. Students who complete a major in this department will fulfill the general education writing emphasis requirement (p. 50).

Our people

Professor
Linda Dickmeyer
Joe Gow
Julia Johnson
Ronda Leahy

Associate Professor
Scott Dickmeyer
Anthony Docan-Morgan
Sara Docan-Morgan
Charissa Niedzwiecki
Michael Tollefson
Patricia Turner
Assistant Professor
Jennifer Butler Modaff
Dena Huisman
Katherine Lavelle
Daniel Modaff
Pamela Morris
Laura Nelson
Nicole Ploeger-Lyons
Masahiro Yamamoto

Distinguished Lecturer
James Putz

Senior Lecturer
Robert Eberle
Susan Schuyler

Lecturer
Janna Dziak
Ayesha Patnaik
Susan Schuyler
Terence Smith
David Solie
Joseph Van Oss

Associate Lecturer
Heike Hunter
Matt Windett
Amy Wolff

Administrative Support
Laurie Collison

Majors
- Communication studies major: advocacy and communication criticism emphasis - BA (p. 227)
- Communication studies major: advocacy and communication criticism emphasis - BS (p. 229)
- Communication studies major: broadcast and digital media emphasis - BA (p. 231)
- Communication studies major: broadcast and digital media emphasis - BS (p. 232)
- Communication studies major: interpersonal communication emphasis - BA (p. 234)
- Communication studies major: interpersonal communication emphasis - BS (p. 236)

Minors
- Communication studies minor: advocacy and communication criticism emphasis (p. 241)
- Communication studies minor: broadcast and digital media emphasis (p. 241)
- Communication studies minor: interpersonal communication emphasis (p. 242)
- Communication studies minor: organizational and professional communication emphasis (p. 242)
- Communication studies minor: sports broadcasting (p. 243)

Communication Studies Major: Advocacy and Communication Criticism Emphasis - Bachelor of Arts (BA)

Major requirements
Admission requirements (p. 226)
(All colleges, excluding teacher certification programs)

39 credits

Core requirements
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CST 190</td>
<td>Introduction to Communication Studies</td>
<td>3</td>
</tr>
<tr>
<td>CST 301</td>
<td>Theories of Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 498</td>
<td>Research Methods in Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 499</td>
<td>Senior Project in Communication Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

Required
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CST 215</td>
<td>Influence, Advocacy and Social Responsibility</td>
<td>3</td>
</tr>
<tr>
<td>CST 315</td>
<td>Communication Criticism</td>
<td>3</td>
</tr>
<tr>
<td>CST 412</td>
<td>Advocacy and Persuasion</td>
<td>3</td>
</tr>
<tr>
<td>or CST 413</td>
<td>Advocacy and Persuasive Campaigns</td>
<td></td>
</tr>
</tbody>
</table>

Select at least three credits of the following:
- CST 210 Presentational Speaking
- CST 310 Debate
- CST 410 Advocacy and Argumentation
- CST 412 Advocacy and Persuasion
- CST 413 Advocacy and Persuasive Campaigns
- CST 415 Advanced Topics in Advocacy and Communication Criticism

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CST 419</td>
<td>Communication, Media and Identity</td>
<td></td>
</tr>
</tbody>
</table>

Select nine credits of electives, one from each emphasis area (see below)

Select a minimum of six credits of electives from any CST course

Total Credits

39
Bachelor of Science degrees:
The following conditions apply to one or both Bachelor of Arts and CLS Bachelor of Arts core requirements

Areas of emphasis:
Organizational & professional

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CST 260</td>
<td>Professional Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 350</td>
<td>Organizational Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 351</td>
<td>Interviewing: Principles and Processes</td>
<td>3</td>
</tr>
<tr>
<td>CST 354</td>
<td>Health Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 355</td>
<td>Diversity and Organizational Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 360</td>
<td>Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>CST 365</td>
<td>Communication in Teams</td>
<td>3</td>
</tr>
<tr>
<td>CST 380</td>
<td>Communicating Leadership</td>
<td>3</td>
</tr>
</tbody>
</table>

Interpersonal emphasis

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CST 230</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 330</td>
<td>Nonverbal Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 332</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 333</td>
<td>Lying and Deception in Human Interaction</td>
<td>3</td>
</tr>
<tr>
<td>CST 334</td>
<td>Gender Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 336</td>
<td>Family Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 337</td>
<td>Communication and Race</td>
<td>3</td>
</tr>
<tr>
<td>CST 338</td>
<td>Sexuality and Romance in Media</td>
<td>3</td>
</tr>
</tbody>
</table>

Broadcast & digital media emphasis

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CST 270</td>
<td>Broadcast Announcing</td>
<td>3</td>
</tr>
<tr>
<td>CST 271</td>
<td>Contemporary Media in Everyday Life</td>
<td>3</td>
</tr>
<tr>
<td>CST 274</td>
<td>Television Production</td>
<td>3</td>
</tr>
<tr>
<td>CST 370</td>
<td>Broadcast Media Writing</td>
<td>3</td>
</tr>
<tr>
<td>CST 371</td>
<td>Audience Research</td>
<td>3</td>
</tr>
<tr>
<td>CST 372</td>
<td>Audio Workshop</td>
<td>3</td>
</tr>
<tr>
<td>CST 374</td>
<td>Television Workshop</td>
<td>3</td>
</tr>
<tr>
<td>CST 376</td>
<td>Remote Video Operations</td>
<td>3</td>
</tr>
<tr>
<td>CST 378</td>
<td>Computer Mediated Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 471</td>
<td>Broadcast and Digital Media Management</td>
<td>3</td>
</tr>
<tr>
<td>CST 480</td>
<td>Broadcast Media and Modern Society</td>
<td>3</td>
</tr>
</tbody>
</table>

Degree requirements

All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 228)
- Baccalaureate degree requirements (p. 229)

CLS Bachelor of Arts core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

B. Humanities track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

C. Fine arts track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track

1. Native speakers of English complete:
   Select one of the following:
   - CHI 202 Intermediate Chinese II
   - FRE 202 Intermediate French II
   - GER 202 Intermediate German II
   - RUS 202 Intermediate Russian II
   - SPA 202 Intermediate Spanish II
   - MLG 202 World Languages: Intermediate II
   - MLG 204 Heritage Language: Intermediate
   - MLG 304 Heritage Language: Advanced

Non-native speakers of English: score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university’s English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute [http://www.uwlax.edu/esl] for eligibility and regulations); and

2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

Baccalaureate degree requirements

- Baccalaureate degree requirements (p. 229)
- College core (p. 228)
- Baccalaureate degree requirements (p. 229)
2. Two additional courses outside the department of the student's major from two different departments chosen from: art, communication studies, music, theatre; and

3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student's major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student's major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student's major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to the minimum general education requirements; or
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Communication Studies Major: Advocacy and Communication Criticism Emphasis - Bachelor of Science

Major requirements

Admission requirements (p. 226)

(All colleges, excluding teacher certification programs)

39 credits

Core requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>CST 190</td>
<td>Introduction to Communication Studies</td>
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<tr>
<td>CST 301</td>
<td>Theories of Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 498</td>
<td>Research Methods in Communication</td>
<td>3</td>
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<td>CST 499</td>
<td>Senior Project in Communication Studies</td>
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Required

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<th>Credits</th>
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<tr>
<td>CST 215</td>
<td>Influence, Advocacy and Social Responsibility</td>
<td>3</td>
</tr>
<tr>
<td>CST 315</td>
<td>Communication Criticism</td>
<td>3</td>
</tr>
<tr>
<td>CST 412</td>
<td>Advocacy and Persuasion</td>
<td>3</td>
</tr>
<tr>
<td>or CST 413</td>
<td>Advocacy and Persuasive Campaigns</td>
<td></td>
</tr>
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Select at least three credits of the following:

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CST 210</td>
<td>Presentational Speaking</td>
<td>3</td>
</tr>
<tr>
<td>CST 310</td>
<td>Debate</td>
<td></td>
</tr>
<tr>
<td>CST 410</td>
<td>Advocacy and Argumentation</td>
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<td>CST 412</td>
<td>Advocacy and Persuasion</td>
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<tr>
<td>CST 413</td>
<td>Advocacy and Persuasive Campaigns</td>
<td></td>
</tr>
<tr>
<td>CST 415</td>
<td>Advanced Topics in Advocacy and Communication Criticism</td>
<td></td>
</tr>
<tr>
<td>CST 419</td>
<td>Communication, Media and Identity</td>
<td></td>
</tr>
</tbody>
</table>

Select nine credits of electives, one from each emphasis area (see below)

Select a minimum of six credits of electives from any CST course 1

Total Credits: 39

Areas of emphasis:

Organizational & professional

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CST 260</td>
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<td>CST 350</td>
<td>Organizational Communication</td>
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<tr>
<td>CST 351</td>
<td>Interviewing: Principles and Processes</td>
<td>3</td>
</tr>
<tr>
<td>CST 354</td>
<td>Health Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 355</td>
<td>Diversity and Organizational Communication</td>
<td>3</td>
</tr>
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<td>CST 360</td>
<td>Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>CST 365</td>
<td>Communication in Teams</td>
<td>3</td>
</tr>
<tr>
<td>CST 380</td>
<td>Communicating Leadership</td>
<td>3</td>
</tr>
</tbody>
</table>

Interpersonal emphasis

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 330</td>
<td>Nonverbal Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 332</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 333</td>
<td>Lying and Deception in Human Interaction</td>
<td>3</td>
</tr>
</tbody>
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1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.
Bachelor of Science students complete four courses outside the department of the student's major as follows:

1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 339); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student's major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student's major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student's major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

\(^{1}\) Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.
No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Communication Studies Major:
Broadcast and Digital Media Emphasis - Bachelor of Arts (BA)

Major requirements
Admission requirements (p. 226)

(All colleges, excluding teacher certification programs)

39 credits

Core requirements
CST 190 Introduction to Communication Studies 3
CST 301 Theories of Communication 3
CST 498 Research Methods in Communication 3
CST 499 Senior Project in Communication Studies 3

Required
CST 271 Contemporary Media in Everyday Life 3
CST 274 Television Production 3
CST 370 Broadcast Media Writing 3
or CST 374 Television Workshop
CST 471 Broadcast and Digital Media Management 3

Select nine credits of electives, one from each emphasis area (see below)
Select a minimum of six credits of electives from any CST course 1

Total Credits 39

1 excluding CST 110

Areas of emphasis:

Interpersonal communications
CST 230 Interpersonal Communication 3
CST 330 Nonverbal Communication 3
CST 332 Intercultural Communication 3
CST 333 Lying and Deception in Human Interaction 3
CST 334 Gender Communication 3
CST 336 Family Communication 3
CST 337 Communication and Race 3
CST 338 Sexuality and Romance in Media 3

Advocacy & communication criticism
CST 210 Presentational Speaking 3
CST 215 Influence, Advocacy and Social Responsibility 3
CST 310 Debate 3
CST 315 Communication Criticism 3
CST 410 Advocacy and Argumentation 3
CST 412 Advocacy and Persuasion 3
CST 413 Advocacy and Persuasive Campaigns 3
CST 415 Advanced Topics in Advocacy and Communication Criticism 3
CST 419 Communication, Media and Identity 3

Organizational & professional communication
CST 260 Professional Communication 3
CST 350 Organizational Communication 3
CST 351 Interviewing: Principles and Processes 3
CST 354 Health Communication 3
CST 355 Diversity and Organizational Communication 3
CST 360 Public Relations 3
CST 365 Communication in Teams 3
CST 380 Communicating Leadership 3

Degree requirements
All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• College core (p. 231)
• Baccalaureate degree requirements (p. 232)

CLS Bachelor of Arts core requirements
The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track

1. Native speakers of English complete:
   Select one of the following:
   CHI 202 Intermediate Chinese II
   FRE 202 Intermediate French II
   GER 202 Intermediate German II
must accomplish the following:

Candidates for the Bachelor of Arts or the Bachelor of Science degrees
following:

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second
major, minor, or program option by satisfying one of the
requirements, all students in CLS must complete a second

Non-native speakers of English: score at least 80 on the La
Crosse Battery of exams for non-native speakers of English; or
submit a TOEFL or IELTS score that meets the university’s English
language proficiency requirement for admission; or complete
ESL 252 or ESL 253, and one additional course from ESL 250,
ESL 251, ESL 252, ESL 253. (Contact the English as a Second
Language Institute (http://www.uwlax.edu/esl) for eligibility and
regulations); and

1. One modern language course 102 or higher or an Office of
International Education (OIE) approved semester long study
abroad experience combined with the INS 250, INS 251, INS 252
sequence; and
2. Two additional courses outside the department of the student’s
major from two different departments chosen from: history, English,
philosophy; and
3. One additional course in social sciences or fine arts.

B. Humanities track

1. Complete at least one ethnic studies (diversity) course.
2. Complete an emphasis, program or concentration of at least 18
credits outside the student’s major from two different departments chosen from: art,
communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core
requirements, all students in CLS must complete a second
major, minor, or program option by satisfying one of the
following:

1. Complete a minor (or second major) outside of the student’s major
program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18
credits outside the student’s major program. General education
courses may apply provided they are not being used to fulfill
minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at
least 12 credits earned at the 300/400 level). These courses must
be outside the student’s major department and can be from any
college. General education courses may apply provided they are
not being used to fulfill minimum general education requirements.

C. Fine arts track

1. One modern language course 102 or higher or an Office of
International Education (OIE) approved semester long study
abroad experience combined with the INS 250, INS 251, INS 252
sequence; and
2. Two additional courses outside the department of the student’s
major from two different departments chosen from: art,
communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core
requirements, all students in CLS must complete a second
major, minor, or program option by satisfying one of the
following:

1. Complete a minor (or second major) outside of the student’s major
program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18
credits outside the student’s major program. General education
courses may apply provided they are not being used to fulfill
minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at
least 12 credits earned at the 300/400 level). These courses must
be outside the student’s major department and can be from any
college. General education courses may apply provided they are
not being used to fulfill minimum general education requirements.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees
must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum
Committee for the degree desired in the respective school or
college. (No substitutions for graduation may be made in course
requirements for a major or minor after the fourth week of the last
semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00
cumulative GPA. At least 40 credits must be earned in 300/400
(senior college) level courses. Courses earned at the 100/200 level
that transferred to UW-L as 300/400 level courses do not apply to
this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00
GPA in each major and minor (and concentration or emphasis, if
selected).
6. A minimum of 30 semester credits in residence at UW-L is required
for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS
Student Center as soon as the student has registered for his or her
final semester or summer term in residence. December and winter
intersession graduates should file by May 1. May and summer
graduates should file by December 1.

Grade point average requirements for some programs will be
considerably higher than 2.00. Re-entering students may be required
to earn credits in excess of the 120 needed for graduation in any
course in which the content has changed substantially in recent years. Each case will be
judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and
recorded within 30 days after the official ending date of each term.

Communication Studies Major:
Broadcast and Digital Media
Emphasis - Bachelor of Science
(BS)

Major requirements

Admission requirements (p. 226)

(All colleges, excluding teacher certification programs)

39 credits

Core requirements

CST 190 Introduction to Communication Studies 3
CST 301 Theories of Communication 3
CST 498 Research Methods in Communication 3
CST 499 Senior Project in Communication Studies 3

Required

CST 271 Contemporary Media in Everyday Life 3
CST 274 Television Production 3
CST 370 Broadcast Media Writing 3
or CST 374 Television Workshop 3
CST 471 Broadcast and Digital Media Management 3

Select nine credits of electives, one from each emphasis area (see
below)
Select a minimum of six credits of electives from any CST course 1 6

Total Credits 39

1 excluding CST 110

Areas of emphasis:

Interpersonal communications

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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>CST 230</td>
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<td>CST 330</td>
<td>Nonverbal Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 332</td>
<td>Intercultural Communication</td>
<td>3</td>
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<td>CST 333</td>
<td>Lying and Deception in Human Interaction</td>
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<td>CST 334</td>
<td>Gender Communication</td>
<td>3</td>
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<td>CST 336</td>
<td>Family Communication</td>
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<td>CST 337</td>
<td>Communication and Race</td>
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</tr>
<tr>
<td>CST 338</td>
<td>Sexuality and Romance in Media</td>
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Advocacy & communication criticism

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<tr>
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<td>CST 215</td>
<td>Influence, Advocacy and Social Responsibility</td>
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<td>CST 310</td>
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<td>Advocacy and Persuasion</td>
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<td>CST 413</td>
<td>Advocacy and Persuasive Campaigns</td>
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<td>CST 415</td>
<td>Advanced Topics in Advocacy and Communication Criticism</td>
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</tr>
<tr>
<td>CST 419</td>
<td>Communication, Media and Identity</td>
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Organizational & professional communication

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<tr>
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<th>Title</th>
<th>Credits</th>
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<td>Professional Communication</td>
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<tr>
<td>CST 350</td>
<td>Organizational Communication</td>
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<tr>
<td>CST 351</td>
<td>Interviewing: Principles and Processes</td>
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Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• College core (p. 233)
• Baccalaureate degree requirements (p. 233)

CLS Bachelor of Science core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics-Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2).

Bachelor of Science students complete four courses outside the department of the student’s major as follows:

1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 339); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
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Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course
requirements for a major or minor after the fourth week of the last semester of the senior year.)

4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.

5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).

6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)

7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Communication Studies Major: Interpersonal Communication Emphasis - Bachelor of Arts (BA)

Major requirements
Admission requirements (p. 226)
(All colleges, excluding teacher certification programs)

39 credits

Core requirements
CST 190 Introduction to Communication Studies 3
CST 301 Theories of Communication 3
CST 498 Research Methods in Communication 3
CST 499 Senior Project in Communication Studies 3

Required
CST 230 Interpersonal Communication 3
CST 336 Family Communication 3
CST 430 Advanced Topics in Interpersonal Communication 3
Select at least three credits of the following: 3
CST 330 Nonverbal Communication
CST 332 Intercultural Communication
CST 333 Lying and Deception in Human Interaction
CST 334 Gender Communication
CST 337 Communication and Race
CST 338 Sexuality and Romance in Media
Select nine credits of electives, one from each emphasis area (see below)

Select a minimum of six credits of electives from any CST course 6

Total Credits 39

1 excluding CST 110

Areas of emphasis:

Organizational & professional communication
CST 260 Professional Communication 3
CST 350 Organizational Communication 3
CST 351 Interviewing: Principles and Processes 3
CST 354 Health Communication 3
CST 355 Diversity and Organizational Communication 3
CST 360 Public Relations 3
CST 365 Communication in Teams 3
CST 380 Communicating Leadership 3

Advocacy & communication criticism
CST 210 Presentational Speaking 3
CST 215 Influence, Advocacy and Social Responsibility 3
CST 310 Debate 3
CST 315 Communication Criticism 3
CST 410 Advocacy and Argumentation 3
CST 412 Advocacy and Persuasion 3
CST 413 Advocacy and Persuasive Campaigns 3
CST 415 Advanced Topics in Advocacy and Communication Criticism 3
CST 419 Communication, Media and Identity 3

Broadcast & digital media
CST 270 Broadcast Announcing 3
CST 271 Contemporary Media in Everyday Life 3
CST 274 Television Production 3
CST 370 Broadcast Media Writing 3
CST 371 Audience Research 3
CST 372 Audio Workshop 3
CST 374 Television Workshop 3
CST 376 Remote Video Operations 3
CST 378 Computer Mediated Communication 3
CST 471 Broadcast and Digital Media Management 3
CST 480 Broadcast Media and Modern Society 3

Degree requirements
All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 234)
- Baccalaureate degree requirements (p. 235)
**CLS Bachelor of Arts core requirements**

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

**A. Language track**

1. Native speakers of English complete:
   Select one of the following:
   - CHI 202 Intermediate Chinese II
   - FRE 202 Intermediate French II
   - GER 202 Intermediate German II
   - RUS 202 Intermediate Russian II
   - SPA 202 Intermediate Spanish II
   - MLG 202 World Languages: Intermediate II
   - MLG 204 Heritage Language: Intermediate
   - MLG 304 Heritage Language: Advanced

   Non-native speakers of English: score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university’s English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations); and

2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

**B. Humanities track**

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and

2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and

3. One additional course in social sciences or fine arts.

**C. Fine arts track**

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and

2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and

3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or

2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or

3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

**Baccalaureate degrees**

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.
Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

**Communication Studies Major:**
**Interpersonal Communication Emphasis - Bachelor of Science (BS)**

**Major requirements**
Admission requirements (p. 226)

(All colleges, excluding teacher certification programs)

39 credits

**Core requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CST 190</td>
<td>Introduction to Communication Studies</td>
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</tr>
<tr>
<td>CST 301</td>
<td>Theories of Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 498</td>
<td>Research Methods in Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 499</td>
<td>Senior Project in Communication Studies</td>
<td>3</td>
</tr>
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**Required**

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tr>
<td>CST 230</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 336</td>
<td>Family Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 430</td>
<td>Advanced Topics in Interpersonal Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Select at least three credits of the following: 3

- CST 330 Nonverbal Communication
- CST 332 Intercultural Communication
- CST 333 Lying and Deception in Human Interaction
- CST 334 Gender Communication
- CST 337 Communication and Race
- CST 338 Sexuality and Romance in Media

Select nine credits of electives, one from each emphasis area (see below)

Select a minimum of six credits of electives from any CST course 1 6

Total Credits 39

1 excluding CST 110

**Areas of emphasis:**

**Organizational & professional communication**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CST 260</td>
<td>Professional Communication</td>
<td>3</td>
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<td>CST 350</td>
<td>Organizational Communication</td>
<td>3</td>
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<tr>
<td>CST 351</td>
<td>Interviewing: Principles and Processes</td>
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<td>CST 354</td>
<td>Health Communication</td>
<td>3</td>
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<td>CST 355</td>
<td>Diversity and Organizational Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 360</td>
<td>Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>CST 365</td>
<td>Communication in Teams</td>
<td>3</td>
</tr>
<tr>
<td>CST 380</td>
<td>Communicating Leadership</td>
<td>3</td>
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**Advocacy & communication criticism**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CST 210</td>
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<td>CST 215</td>
<td>Influence, Advocacy and Social Responsibility</td>
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<tr>
<td>CST 310</td>
<td>Debate</td>
<td>3</td>
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<tr>
<td>CST 315</td>
<td>Communication Criticism</td>
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<tr>
<td>CST 410</td>
<td>Advocacy and Argumentation</td>
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<td>CST 412</td>
<td>Advocacy and Persuasion</td>
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<tr>
<td>CST 413</td>
<td>Advocacy and Persuasive Campaigns</td>
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</tr>
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<td>CST 415</td>
<td>Advanced Topics in Advocacy and Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 419</td>
<td>Communication, Media and Identity</td>
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</table>

**Broadcast & digital media**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>CST 270</td>
<td>Broadcast Announcing</td>
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</tr>
<tr>
<td>CST 271</td>
<td>Contemporary Media in Everyday Life</td>
<td>3</td>
</tr>
<tr>
<td>CST 274</td>
<td>Television Production</td>
<td>3</td>
</tr>
<tr>
<td>CST 370</td>
<td>Broadcast Media Writing</td>
<td>3</td>
</tr>
<tr>
<td>CST 371</td>
<td>Audience Research</td>
<td>3</td>
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<tr>
<td>CST 372</td>
<td>Audio Workshop</td>
<td>3</td>
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<tr>
<td>CST 374</td>
<td>Television Workshop</td>
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<td>CST 376</td>
<td>Remote Video Operations</td>
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<td>CST 378</td>
<td>Computer Mediated Communication</td>
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</tr>
<tr>
<td>CST 471</td>
<td>Broadcast and Digital Media Management</td>
<td>3</td>
</tr>
<tr>
<td>CST 480</td>
<td>Broadcast Media and Modern Society</td>
<td>3</td>
</tr>
</tbody>
</table>

**Degree requirements**

All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 236)
- Baccalaureate degree requirements (p. 237)

**CLS Bachelor of Science core requirements**

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core...
must accomplish the following:

Candidates for the Bachelor of Arts or the Bachelor of Science degrees (Baccalaureate degrees) following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by December 1.

Bachelor of Science students complete four courses outside the department of the student’s major as follows:

1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 339); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Communication Studies Major: Organizational and Professional Communication Emphasis - BA

Major requirements

Admission requirements (p. 226)

(All colleges, excluding teacher certification programs)

39 credits

Core requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>CST 190</td>
<td>Introduction to Communication Studies</td>
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<tr>
<td>CST 301</td>
<td>Theories of Communication</td>
<td>3</td>
</tr>
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<td>CST 498</td>
<td>Research Methods in Communication</td>
<td>3</td>
</tr>
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<td>CST 499</td>
<td>Senior Project in Communication Studies</td>
<td>3</td>
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Required

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<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CST 260</td>
<td>Professional Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 350</td>
<td>Organizational Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 452</td>
<td>Contemporary Approaches to Organizational Communication</td>
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Select at least three credits of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CST 351</td>
<td>Interviewing: Principles and Processes</td>
<td>3</td>
</tr>
<tr>
<td>CST 354</td>
<td>Health Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 355</td>
<td>Diversity and Organizational Communication</td>
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<tr>
<td>CST 360</td>
<td>Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>CST 365</td>
<td>Communication in Teams</td>
<td>3</td>
</tr>
<tr>
<td>CST 380</td>
<td>Communicating Leadership</td>
<td>3</td>
</tr>
</tbody>
</table>

Select nine credits of electives, one from each emphasis areas (see below)

Select a minimum of six credits of electives from any CST course 1

Total Credits

39

1 excluding CST 110

Areas of emphasis:

Interpersonal communications

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CST 230</td>
<td>Interpersonal Communication</td>
<td>3</td>
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<tr>
<td>CST 330</td>
<td>Nonverbal Communication</td>
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</tr>
<tr>
<td>CST 332</td>
<td>Intercultural Communication</td>
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<tr>
<td>CST 333</td>
<td>Lying and Deception in Human Interaction</td>
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<tr>
<td>CST 334</td>
<td>Gender Communication</td>
<td>3</td>
</tr>
<tr>
<td>CST 336</td>
<td>Family Communication</td>
<td>3</td>
</tr>
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</table>
Bachelor of Science degrees:
The following conditions apply to one or both Bachelor of Arts and CLS Bachelor of Arts core requirements

Advocacy & communication criticism

Broadcast & digital media

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 238)
- Baccalaureate degree requirements (p. 239)

CLS Bachelor of Arts core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.

CST 337 Communication and Race 3
CST 338 Sexuality and Romance in Media 3

Advocacy & communication criticism

CST 210 Presentational Speaking 3
CST 215 Influence, Advocacy and Social Responsibility 3
CST 310 Debate 3
CST 315 Communication Criticism 3
CST 410 Advocacy and Argumentation 3
CST 412 Advocacy and Persuasion 3
CST 413 Advocacy and Persuasive Campaigns 3
CST 415 Advanced Topics in Advocacy and Communication Criticism 3
CST 419 Communication, Media and Identity 3

Broadcast & digital media

CST 270 Broadcast Announcing 3
CST 271 Contemporary Media in Everyday Life 3
CST 274 Television Production 3
CST 370 Broadcast Media Writing 3
CST 371 Audience Research 3
CST 372 Audio Workshop 3
CST 374 Television Workshop 3
CST 376 Remote Video Operations 3
CST 378 Computer Mediated Communication 3
CST 471 Broadcast and Digital Media Management 3
CST 480 Broadcast Media and Modern Society 3

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 238)
- Baccalaureate degree requirements (p. 239)

Non-native speakers of English: score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university’s English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations); and

2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

B. Humanities track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

C. Fine arts track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track

1. Native speakers of English complete:
   Select one of the following:
   - CHI 202 Intermediate Chinese II
   - FRE 202 Intermediate French II
   - GER 202 Intermediate German II
   - RUS 202 Intermediate Russian II
   - SPA 202 Intermediate Spanish II
   - MLG 202 World Languages: Intermediate II
   - MLG 204 Heritage Language: Intermediate
   - MLG 304 Heritage Language: Advanced

2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

B. Humanities track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

C. Fine arts track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.
In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Communication Studies Major: Organizational and Professional Communication Emphasis - BS

Major requirements

Admission requirements (p. 226)
(All colleges, excluding teacher certification programs)

39 credits

Core requirements

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>CST 190</td>
<td>Introduction to Communication Studies</td>
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</tr>
<tr>
<td>CST 301</td>
<td>Theories of Communication</td>
<td>3</td>
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<tr>
<td>CST 498</td>
<td>Research Methods in Communication</td>
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<td>Senior Project in Communication Studies</td>
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Required

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<tr>
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<td>CST 350</td>
<td>Organizational Communication</td>
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<tr>
<td>CST 452</td>
<td>Contemporary Approaches to Organizational Communication</td>
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Select at least three credits of the following:

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<thead>
<tr>
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<tbody>
<tr>
<td>CST 351</td>
<td>Interviewing: Principles and Processes</td>
<td>3</td>
</tr>
<tr>
<td>CST 354</td>
<td>Health Communication</td>
<td>3</td>
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<tr>
<td>CST 355</td>
<td>Diversity and Organizational Communication</td>
<td>3</td>
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<td>CST 360</td>
<td>Public Relations</td>
<td>3</td>
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<tr>
<td>CST 365</td>
<td>Communication in Teams</td>
<td>3</td>
</tr>
<tr>
<td>CST 380</td>
<td>Communicating Leadership</td>
<td>3</td>
</tr>
</tbody>
</table>

Select nine credits of electives, one from each emphasis areas (see below)

Select a minimum of six credits of electives from any CST course excluding CST 110

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
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<td>CST 330</td>
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<td>Lying and Deception in Human Interaction</td>
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</tr>
<tr>
<td>CST 338</td>
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</table>

Advocacy & communication criticism

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<tr>
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<tr>
<td>CST 210</td>
<td>Presentational Speaking</td>
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<td>CST 215</td>
<td>Influence, Advocacy and Social Responsibility</td>
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</tr>
<tr>
<td>CST 310</td>
<td>Debate</td>
<td>3</td>
</tr>
<tr>
<td>CST 315</td>
<td>Communication Criticism</td>
<td>3</td>
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<tr>
<td>CST 410</td>
<td>Advocacy and Argumentation</td>
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<td>CST 412</td>
<td>Advocacy and Persuasion</td>
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</tr>
<tr>
<td>CST 413</td>
<td>Advocacy and Persuasive Campaigns</td>
<td>3</td>
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</table>

Areas of emphasis:

Interpersonal communications

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<tr>
<td>CST 338</td>
<td>Sexuality and Romance in Media</td>
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</tbody>
</table>
Bachelor of Science students complete four courses outside the department of the student’s major as follows:

1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 339); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• College core (p. 240)
• Baccalaureate degree requirements (p. 240)

CLS Bachelor of Science core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college core program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2).

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.
No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Communication Studies Minor:
Advocacy and Communication Criticism Emphasis

(All colleges, excluding teacher certification programs)

24 credits

Required

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CST 190</td>
<td>Introduction to Communication Studies</td>
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<tr>
<td>CST 215</td>
<td>Influence, Advocacy and Social Responsibility</td>
<td>3</td>
</tr>
<tr>
<td>CST 315</td>
<td>Communication Criticism</td>
<td>3</td>
</tr>
<tr>
<td>CST 412</td>
<td>Advocacy and Persuasion</td>
<td>3</td>
</tr>
<tr>
<td>or CST 413</td>
<td>Advocacy and Persuasive Campaigns</td>
<td></td>
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Select at least three credits of the following: 3

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</thead>
<tbody>
<tr>
<td>CST 210</td>
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<tr>
<td>CST 310</td>
<td>Debate</td>
<td></td>
</tr>
<tr>
<td>CST 410</td>
<td>Advocacy and Argumentation</td>
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<td>CST 412</td>
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<td></td>
</tr>
<tr>
<td>CST 415</td>
<td>Advanced Topics in Advocacy and Communication Criticism</td>
<td></td>
</tr>
<tr>
<td>CST 419</td>
<td>Communication, Media and Identity</td>
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</table>

Select nine credits of electives, one from each of the other emphasis areas (see below) 9

Total Credits 24

Areas of emphasis:

Organizational & professional

<table>
<thead>
<tr>
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<tbody>
<tr>
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<tr>
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<td>Communication in Teams</td>
<td>3</td>
</tr>
<tr>
<td>CST 380</td>
<td>Communicating Leadership</td>
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Interpersonal emphasis

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<tbody>
<tr>
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Advocacy & communication criticism

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Broadcast & digital media emphasis

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<td>CST 271</td>
<td>Contemporary Media in Everyday Life</td>
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<tr>
<td>CST 274</td>
<td>Television Production</td>
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Communication Studies Minor:
Broadcast and Digital Media Emphasis

(All colleges, excluding teacher certification programs)

24 credits

Required:

<table>
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<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>CST 190</td>
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<tr>
<td>CST 271</td>
<td>Contemporary Media in Everyday Life</td>
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<tr>
<td>CST 370</td>
<td>Broadcast Media Writing</td>
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<tr>
<td>or CST 374</td>
<td>Television Workshop</td>
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<td>CST 471</td>
<td>Broadcast and Digital Media Management</td>
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<td>CST 480</td>
<td>Broadcast Media and Modern Society</td>
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Select nine credits of electives, one from each emphasis areas (see below) 9

Total Credits 24

Areas of emphasis:

Interpersonal communications

<table>
<thead>
<tr>
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Organizational & professional communication

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**Communication Studies Minor: Interpersonal Communication Emphasis**

(All colleges, excluding teacher certification programs)

24 credits

**Required**
- CST 190 Introduction to Communication Studies 3
- CST 230 Interpersonal Communication 3
- CST 336 Family Communication 3
- CST 430 Advanced Topics in Interpersonal Communication 3

Select at least three credits of the following: 3
- CST 330 Nonverbal Communication
- CST 332 Intercultural Communication
- CST 333 Lying and Deception in Human Interaction
- CST 334 Gender Communication
- CST 337 Communication and Race
- CST 338 Sexuality and Romance in Media

Select nine credits of electives from each emphasis areas (see below) 9

Total Credits 24

**Areas of emphasis:**

**Organizational & professional communication**
- CST 260 Professional Communication 3
- CST 350 Organizational Communication 3
- CST 351 Interviewing: Principles and Processes 3
- CST 354 Health Communication 3
- CST 355 Diversity and Organizational Communication 3
- CST 360 Public Relations 3
- CST 365 Communication in Teams 3
- CST 380 Communicating Leadership 3

**Advocacy & communication criticism**
- CST 210 Presentational Speaking 3
- CST 215 Influence, Advocacy and Social Responsibility 3
- CST 310 Debate 3
- CST 315 Communication Criticism 3
- CST 410 Advocacy and Argumentation 3
- CST 412 Advocacy and Persuasion 3
- CST 413 Advocacy and Persuasive Campaigns 3
- CST 415 Advanced Topics in Advocacy and Communication Criticism 3
- CST 419 Communication, Media and Identity 3

**Broadcast & digital media**
- CST 270 Broadcast Announcing 3
- CST 271 Contemporary Media in Everyday Life 3
- CST 274 Television Production 3
- CST 370 Broadcast Media Writing 3
- CST 371 Audience Research 3
- CST 372 Audio Workshop 3
- CST 374 Television Workshop 3
- CST 376 Remote Video Operations 3
- CST 378 Computer Mediated Communication 3
- CST 471 Broadcast and Digital Media Management 3
- CST 480 Broadcast Media and Modern Society 3

**Communication Studies Minor: Organizational and Professional Communication Emphasis**

(All colleges, excluding teacher certification programs)

24 credits

**Required**
- CST 190 Introduction to Communication Studies 3
- CST 260 Professional Communication 3
- CST 350 Organizational Communication 3
- CST 452 Contemporary Approaches to Organizational Communication 3

Select at least three credits of the following: 3
- CST 351 Interviewing: Principles and Processes
- CST 354 Health Communication
- CST 355 Diversity and Organizational Communication
- CST 360 Public Relations
- CST 365 Communication in Teams
- CST 380 Communicating Leadership

Select nine credits of electives, one from each emphasis areas (see below) 9

Total Credits 24

**Areas of emphasis:**

**Interpersonal communications**
- CST 230 Interpersonal Communication 3
- CST 330 Nonverbal Communication 3
- CST 332 Intercultural Communication 3
- CST 333 Lying and Deception in Human Interaction 3
- CST 334 Gender Communication 3
- CST 336 Family Communication 3
- CST 337 Communication and Race 3
- CST 338 Sexuality and Romance in Media 3

**Advocacy & communication criticism**
- CST 210 Presentational Speaking 3
- CST 215 Influence, Advocacy and Social Responsibility 3
- CST 310 Debate 3
- CST 315 Communication Criticism 3
Music (MUS)

College of Liberal Studies
School of Arts and Communication
Department Chair: Christopher Frye
233 Center For The Arts; 608.785.8409
Email: cfrye@uwlaux.edu

www.uwlax.edu/music

The Department of Music is accredited by the National Association of Schools of Music and is a vital unit within the School of Arts and Communication in the College of Liberal Studies. The department offers a balanced program of musical organizations, theory, composition and history courses, and performance opportunities.

Musical organizations include the UW-La Crosse Orchestra, the Screaming Eagles marching band, the UW-La Crosse Wind Symphony, and the Symphonic Band. The nationally recognized jazz studies program is an active, vital part of university life. Six excellent choral organizations provide UW-La Crosse students with a unique opportunity to perform music of many styles and genres. All organizations tour regularly. Recent tours include performances in France, Germany, Netherlands, Scotland, Great Britain, and Ireland. The Jazz Band, Jazz Choir, the Concert Choir, and Wind Symphony have been invited to perform at Wisconsin state music conferences.

Applied music lessons are provided to all music majors and minors without additional fees. The department has both a fully automated recording studio as well as laptop based Pro Tools recording facilities.

- Students enrolling in the music major must complete the music major core requirements and one or more areas of emphasis.
- Students enrolling in education emphases must also complete teacher education requirements found in the School of Education (p. 397).

The below course lists are to be used to meet the requirements of music majors and minors, but non-music majors and minors may also enroll with consent of instructor.

Large ensembles (p. 243) Small ensembles (p. 244) Applied music (p. 244)

Large ensembles

(Open to students in all schools and colleges within the university with consent of instructor)

One credit per semester. A maximum of six credits may be earned in large ensembles toward a music major.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 151</td>
<td>Screaming Eagles Marching Band</td>
<td>1</td>
</tr>
<tr>
<td>MUS 153</td>
<td>Concert Choir</td>
<td>1</td>
</tr>
<tr>
<td>MUS 154</td>
<td>Symphonic Band (Concert Band II)</td>
<td>1</td>
</tr>
<tr>
<td>MUS 155</td>
<td>Orchestra</td>
<td>1</td>
</tr>
<tr>
<td>MUS 157</td>
<td>Mannerchoir</td>
<td>1</td>
</tr>
<tr>
<td>MUS 159</td>
<td>Women’s Chorus</td>
<td>1</td>
</tr>
<tr>
<td>MUS 163</td>
<td>Wind Symphony (Concert Band I)</td>
<td>1</td>
</tr>
<tr>
<td>MUS 167</td>
<td>Choral Union</td>
<td>1</td>
</tr>
</tbody>
</table>
Small ensembles

(Open to students in all schools and colleges within the university with consent of instructor)

One credit per semester. Prerequisite: current enrollment in MUS 153, MUS 157, MUS 159, MUS 167 (if choral or general music education major), MUS 151, MUS 155, MUS 163 (if instrumental or general music education major). A maximum of two credits earned in small ensembles may be applied toward the music major.

MUS 152 Opera Workshop 1
MUS 161 Ensembles 1
MUS 165 Jazz Ensemble I 1
MUS 166 Jazz Ensemble II 1
MUS 168 Vocal Jazz Ensemble 1
MUS 169 Chamber Choir 1

Students who register for credit in music organizations are required to register in the same manner and within the time limits established for registration in all other courses.

Applied music courses

Applied music courses are open to music majors and minors without an extra fee. Other students may audition to take applied music courses on a space-available basis and must pay an applied music fee.

Placement in intermediate (200 level) and advanced (300 level) courses is determined by audition. Students enrolled in 200 or 300 level courses will perform for a Department of Music jury at the close of each semester of instruction. Students enrolled in recital-level courses (400 level) will present a public recital. Placement in intermediate and advanced courses is based on successful completion of courses below.

A music major or minor may enroll for a maximum of nine semesters in a single applied area without paying an extra fee. Of those nine semester credits, only six credits may be earned at the 200 level.

1 Applied music credits for minors beyond the required four semesters are subject to space availability.

Course list

MUA 201 Applied Flute 1
MUA 202 Applied Oboe 1
MUA 203 Applied Clarinet 1
MUA 204 Applied Bassoon 1
MUA 205 Applied Saxophone 1
MUA 206 Applied Horn 1
MUA 207 Applied Trumpet 1
MUA 208 Applied Trombone 1
MUA 209 Applied Euphonium 1
MUA 210 Applied Tuba 1
MUA 211 Applied Percussion 1
MUA 214 Applied Piano 1
MUA 215 Applied Guitar 1
MUA 216 Applied Violin 1
MUA 217 Applied Viola 1
MUA 218 Applied Cello 1
MUA 219 Applied Bass 1
MUA 221 Applied Voice 1
MUA 301 Applied Flute 1
MUA 302 Applied Oboe 1
MUA 303 Applied Clarinet 1
MUA 304 Applied Bassoon 1
MUA 305 Applied Saxophone 1
MUA 306 Applied Horn 1
MUA 307 Applied Trumpet 1
MUA 308 Applied Trombone 1
MUA 309 Applied Euphonium 1
MUA 310 Applied Tuba 1
MUA 311 Applied Percussion 1
MUA 314 Applied Piano 1
MUA 315 Applied Guitar 1
MUA 316 Applied Violin 1
MUA 317 Applied Viola 1
MUA 318 Applied Cello 1
MUA 319 Applied Bass 1
MUA 321 Applied Voice 1
MUA 471 Recital 1
MUA 472 Performance Emphasis Recital 1

Our people

Professor
Greg Balfany
Christopher Frye
Gary Walth

Associate Professor
Tammy Fisher
Terry Kelly
Soojin Kim Ritterling
Mary Tollefson

Assistant Professor
J. Thomas Seddon IV

Senior Lecturer
Karyn Quinn

Lecturer
Scott Bean
David Phipps

Associate Lecturer
David Richardson

Administrative Support
Christine Reed
Majors

- Music major: performance emphasis - BA (p. 245)
- Music major: performance emphasis - BS (p. 246)
- Music major: music history emphasis - BA (p. 247)
- Music major: music history emphasis - BS (p. 249)
- Music major: music theory emphasis - BA (p. 250)
- Music major: music theory emphasis - BS (p. 252)
- Music major: jazz performance emphasis - BA (p. 253)
- Music major: jazz performance emphasis - BS (p. 254)
- Music major: piano pedagogy - BA (p. 256)
- Music major: piano pedagogy - BS (p. 257)
- Music major: music theatre emphasis - BA (p. 258)
- Music major: music theatre emphasis - BS (p. 260)
- Music education major: choral education emphasis - BS (p. 261)
- Music education major: general education emphasis - BS (p. 262)
- Music education major: instrumental education emphasis - BS (p. 263)

Minors

- Music minor (p. 265)
- Music minor: music theatre emphasis (p. 265)

Music Major: Performance Emphasis - Bachelor of Arts (BA)

Major requirements

(All colleges, excluding teacher certification programs)

Auditions required.

37 credits

Core requirements (25 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 201</td>
<td>Musical Cultures</td>
<td>3</td>
</tr>
<tr>
<td>MUS 202</td>
<td>Music History: 1600-1825</td>
<td>2</td>
</tr>
<tr>
<td>MUS 235</td>
<td>Music Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MUS 236</td>
<td>Music Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MUS 237</td>
<td>Music Reading &amp; Aural Skills I</td>
<td>1</td>
</tr>
<tr>
<td>MUS 238</td>
<td>Music Reading and Aural Skills II</td>
<td>1</td>
</tr>
<tr>
<td>MUS 301</td>
<td>Music History: 1825-1900</td>
<td>2</td>
</tr>
<tr>
<td>MUS 302</td>
<td>Music History: 20th Century</td>
<td>2</td>
</tr>
<tr>
<td>MUS 335</td>
<td>Music Theory III</td>
<td>3</td>
</tr>
<tr>
<td>MUS 336</td>
<td>Music Theory IV</td>
<td>3</td>
</tr>
<tr>
<td>MUS 337</td>
<td>Music Reading &amp; Aural Skills III</td>
<td>1</td>
</tr>
<tr>
<td>MUS 338</td>
<td>Music Reading and Aural Skills IV</td>
<td>1</td>
</tr>
</tbody>
</table>

Successful completion of concert attendance

Total Credits 25

Performance emphasis (12 credits)

Select six credits in a single applied area, at least three credits must be taken at the 300 level and one at the 400 level

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 480</td>
<td>Independent Study of Music</td>
<td>2</td>
</tr>
</tbody>
</table>

Music electives: select four credits

Degree requirements

All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 245)
- Baccalaureate degree requirements (p. 246)

CLS Bachelor of Arts core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track

1. Native speakers of English complete:

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHI 202</td>
<td>Intermediate Chinese II</td>
</tr>
<tr>
<td>FRE 202</td>
<td>Intermediate French II</td>
</tr>
<tr>
<td>GER 202</td>
<td>Intermediate German II</td>
</tr>
<tr>
<td>RUS 202</td>
<td>Intermediate Russian II</td>
</tr>
<tr>
<td>SPA 202</td>
<td>Intermediate Spanish II</td>
</tr>
<tr>
<td>MLG 202</td>
<td>World Languages: Intermediate II</td>
</tr>
<tr>
<td>MLG 204</td>
<td>Heritage Language: Intermediate</td>
</tr>
<tr>
<td>MLG 304</td>
<td>Heritage Language: Advanced</td>
</tr>
</tbody>
</table>

Non-native speakers of English: score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or
submit a TOEFL or IELTS score that meets the university’s English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations); and
2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

B. Humanities track
1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

C. Fine arts track
1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:
1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees
Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:
1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Music Major: Performance Emphasis - Bachelor of Science (BS)

Major requirements
(All colleges, excluding teacher certification programs)
Auditions required.
37 credits

Core requirements (25 credits)
MUS 201 Musical Cultures 3
MUS 202 Music History: 1600-1825 2
MUS 235 Music Theory I 3
MUS 236 Music Theory II 3
MUS 237 Music Reading & Aural Skills I 1
MUS 238 Music Reading and Aural Skills II 1
MUS 301 Music History: 1825-1900 2
MUS 302 Music History: 20th Century 2
MUS 335 Music Theory III 3
MUS 336 Music Theory IV 3
MUS 337 Music Reading & Aural Skills III 1
MUS 338 Music Reading and Aural Skills IV 1
Successful completion of concert attendance
Total Credits 25

Performance emphasis (12 credits)
Select six credits in a single applied area, at least three credits must be taken at the 300 level and one at the 400 level
MUS 480 Independent Study of Music 2
Music electives: select four credits 4
Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 247)
- Baccalaureate degree requirements (p. 247)

CLS Bachelor of Science core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirements: “Mathematical/logical systems and modern languages” (GE02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2).

Bachelor of Science students complete four courses outside the department of the student’s major as follows:

1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 339); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. ¹ At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

¹ Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Music Major: Music History Emphasis - Bachelor of Arts (BA)

Major requirements

(All colleges, excluding teacher certification programs)

Auditions required.

37 credits

Core requirements (25 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 201</td>
<td>Musical Cultures</td>
<td>3</td>
</tr>
<tr>
<td>MUS 202</td>
<td>Music History: 1600-1825</td>
<td>2</td>
</tr>
</tbody>
</table>
The following conditions apply to one or both Bachelor of Arts and CLS Bachelor of Arts core requirements

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track

1. Native speakers of English complete:
   Select one of the following:
   - CHI 202 Intermediate Chinese II
   - FRE 202 Intermediate French II
   - GER 202 Intermediate German II
   - RUS 202 Intermediate Russian II
   - SPA 202 Intermediate Spanish II
   - MLG 202 World Languages: Intermediate II
   - MLG 204 Heritage Language: Intermediate
   - MLG 304 Heritage Language: Advanced

   Non-native speakers of English: score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university’s English language proficiency requirement for admission; or complete ESL 250 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute (http://www.uwlax.edu/esi) for eligibility and regulations); and

2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

B. Humanities track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside of the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

C. Fine arts track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 248)
- Baccalaureate degree requirements (p. 249)

### Music history emphasis (12 credits)

Applied music: select six credits in a single applied area, at least two credits must be taken at the 300 level and one credit at the 400 level.

Music electives: select four credits from the following:

- MUS 305 American Music
- MUS 403 Symphonic Literature
- MUS 407 Survey of Opera
- MUS 480 Independent Study of Music

Six semesters of participation in large ensembles

Total Credits 25
2. Complete an emphasis, program or concentration of at least 18
   credits outside the student’s major program. General education
courses may apply provided they are not being used to fulfill
minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at
   least 12 credits earned at the 300/400 level). These courses must
be outside the student’s major department and can be from any
college. General education courses may also be provided they are
not being used to fulfill minimum general education requirements.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees
must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum
   Committee for the degree desired in the respective school or
college. (No substitutions for graduation may be made in course
requirements for a major or minor after the fourth week of the last
semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00
   cumulative GPA. At least 40 credits must be earned in 300/400
   (senior college) level courses. Courses earned at the 100/200 level
   that transferred to UW-L as 300/400 level courses do not apply to
   this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00
   GPA in each major and minor (and concentration or emphasis, if
   selected).
6. A minimum of 30 semester credits in residence at UW-L is required
   for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS
   Student Center as soon as the student has registered for his or her
   final semester or summer term in residence. December and winter
   intersession graduates should file by May 1. May and summer
   graduates should file by December 1.

1 Grade point average requirements for some programs will be
   considerably higher than 2.00. Re-entering students may be required
   to earn credits in excess of the 120 needed for graduation in any
   curriculum in order to replace credits earned in courses in which the
   content has changed substantially in recent years. Each case will be
   judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and
recorded within 30 days after the official ending date of each term.

Music Major: Music History Emphasis - Bachelor of Science
(BS)

Major requirements

(All colleges, excluding teacher certification programs)

Auditions required.

37 credits

Core requirements (25 credits)

<table>
<thead>
<tr>
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<td>MUS 338</td>
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</tr>
</tbody>
</table>

Successful completion of concert attendance

Total Credits 25

Music history emphasis (12 credits)

Applied music: select six credits in a single applied area, at least two
credits must be taken at the 300 level and one credit at the 400 level

Music electives: select four credits from the following:

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<tr>
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<tbody>
<tr>
<td>MUS 305</td>
<td>American Music</td>
</tr>
<tr>
<td>MUS 403</td>
<td>Symphonic Literature</td>
</tr>
<tr>
<td>MUS 407</td>
<td>Survey of Opera</td>
</tr>
<tr>
<td>MUS 480</td>
<td>Independent Study of Music</td>
</tr>
</tbody>
</table>

Six semesters of participation in large ensembles

Total Credits 12

Degree requirements

All students must complete the general education, college core, major/
minor, and university degree requirements in order to qualify for a
degree. The easiest way to track all of these requirements is to refer to
the Advisement Report (AR) found in the Student Information System
(WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• College core (p. 249)
• Baccalaureate degree requirements (p. 250)

CLS Bachelor of Science core
requirements

The following conditions apply to one or both Bachelor of Arts and
Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a
   Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a
   B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill
general education requirement: “Mathematical/logical systems and
modern languages” (GE02, category 2) may also be used to meet
the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be
   in addition to the minimum 39 credits required in the General
   Education Program.
5. At least one course in the B.A. or B.S. college degree program
   (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2).

Bachelor of Science students complete four courses outside the department of the student’s major as follows:

1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 393); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Music Major: Music Theory Emphasis - Bachelor of Arts (BA)

Major requirements

(All colleges, excluding teacher certification programs)

Auditions required.

37 credits

Core requirements (25 credits)

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Successful completion of concert attendance

Total Credits 25

Music theory emphasis (12 credits)

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</table>

Six semesters of participation in large ensembles

Total Credits 12

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to
the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 251)
- Baccalaureate degree requirements (p. 251)

CLS Bachelor of Arts core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track

1. Native speakers of English complete:
   Select one of the following:
   - CHI 202 Intermediate Chinese II
   - FRE 202 Intermediate French II
   - GER 202 Intermediate German II
   - RUS 202 Intermediate Russian II
   - SPA 202 Intermediate Spanish II
   - MLG 202 World Languages: Intermediate II
   - MLG 204 Heritage Language: Intermediate
   - MLG 304 Heritage Language: Advanced

Non-native speakers of English: score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university’s English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations); and

2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

B. Humanities track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

C. Fine arts track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
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No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Music Major: Music Theory Emphasis - Bachelor of Science (BS)

Major requirements

(All colleges, excluding teacher certification programs)

Auditions required.

37 credits

Core requirements (25 credits)

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Successful completion of concert attendance

Total Credits 25

Music theory emphasis (12 credits)

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Applied music: select six credits in a single applied area, at least two credits must be taken at the 300 level and one credit at the 400 level

Music electives: select three credits from the following: 3

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Six semesters of participation in large ensembles

Total Credits 12

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 252)
- Baccalaureate degree requirements (p. 253)

CLS Bachelor of Science core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
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Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).

Bachelor of Science students complete four courses outside the department of the student’s major as follows:

1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 339); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education
courses may apply provided they are not being used to fulfill minimum general education requirements; or

3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may applied provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees
Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
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5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Degree requirements
All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 253)
- Baccalaureate degree requirements (p. 254)

CLS Bachelor of Arts core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
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Music Major: Jazz Performance Emphasis - Bachelor of Arts (BA)

Major requirements
(All colleges, excluding teacher certification programs)
Auditions required.

37 credits

Core requirements (25 credits)

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Successful completion of concert attendance

Total Credits 25

Jazz performance emphasis (12 credits)

Applied music: select six credits in a single applied area, at least three credits must be taken at the 300 level and one credit at the 400 level
Music electives: select six credits from the following:

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MUS 209</td>
<td>History of Jazz Culture (ES)</td>
<td>6</td>
</tr>
<tr>
<td>MUS 326</td>
<td>Jazz Improvisation I</td>
<td>3</td>
</tr>
<tr>
<td>MUS 327</td>
<td>Jazz Improvisation II</td>
<td>3</td>
</tr>
<tr>
<td>MUS 480</td>
<td>Independent Study of Music</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 12
Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track
1. Native speakers of English complete:
   Select one of the following:
   - CHI 202  Intermediate Chinese II
   - FRE 202  Intermediate French II
   - GER 202  Intermediate German II
   - RUS 202  Intermediate Russian II
   - SPA 202  Intermediate Spanish II
   - MLG 202  World Languages: Intermediate II
   - MLG 204  Heritage Language: Intermediate
   - MLG 304  Heritage Language: Advanced

2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

B. Humanities track
1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

C. Fine arts track
1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:
1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees
Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:
1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Music Major: Jazz Performance Emphasis - Bachelor of Science (BS)

Major requirements
(All colleges, excluding teacher certification programs)
Auditions required.

37 credits

Core requirements (25 credits)

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<tr>
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</tr>
</thead>
<tbody>
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<td>MUS 201</td>
<td>Musical Cultures</td>
<td>3</td>
</tr>
<tr>
<td>MUS 202</td>
<td>Music History: 1600-1825</td>
<td>2</td>
</tr>
</tbody>
</table>
Bachelor of Science degrees:
The following conditions apply to one or both Bachelor of Arts and requirements
CLS Bachelor of Science core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core

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<tr>
<td>MUS 235</td>
<td>Music Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MUS 236</td>
<td>Music Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MUS 237</td>
<td>Music Reading &amp; Aural Skills I</td>
<td>1</td>
</tr>
<tr>
<td>MUS 238</td>
<td>Music Reading and Aural Skills II</td>
<td>1</td>
</tr>
<tr>
<td>MUS 301</td>
<td>Music History: 1825-1900</td>
<td>2</td>
</tr>
<tr>
<td>MUS 302</td>
<td>Music History: 20th Century</td>
<td>2</td>
</tr>
<tr>
<td>MUS 335</td>
<td>Music Theory III</td>
<td>3</td>
</tr>
<tr>
<td>MUS 336</td>
<td>Music Theory IV</td>
<td>3</td>
</tr>
<tr>
<td>MUS 337</td>
<td>Music Reading &amp; Aural Skills III</td>
<td>1</td>
</tr>
<tr>
<td>MUS 338</td>
<td>Music Reading and Aural Skills IV</td>
<td>1</td>
</tr>
</tbody>
</table>

Successful completion of concert attendance

Total Credits: 25

Jazz performance emphasis (12 credits)

Applied music: select six credits in a single applied area, at least three credits must be taken at the 300 level and one credit at the 400 level

Music electives: select six credits from the following:

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<td>MUS 480</td>
<td>Independent Study of Music</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 12

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 255)
- Baccalaureate degree requirements (p. 255)

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).
grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Music Major: Piano Pedagogy - Bachelor of Arts (BA)

Major requirements
(All colleges, excluding teacher certification programs)
Auditions required.

37 credits

Core requirements (25 credits)

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<tr>
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<td>Musical Cultures</td>
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<td>2</td>
</tr>
<tr>
<td>MUS 235</td>
<td>Music Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MUS 236</td>
<td>Music Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MUS 237</td>
<td>Music Reading &amp; Aural Skills I</td>
<td>1</td>
</tr>
<tr>
<td>MUS 238</td>
<td>Music Reading and Aural Skills II</td>
<td>1</td>
</tr>
<tr>
<td>MUS 301</td>
<td>Music History: 1825-1900</td>
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<td>MUS 302</td>
<td>Music History: 20th Century</td>
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<tr>
<td>MUS 335</td>
<td>Music Theory III</td>
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<tr>
<td>MUS 336</td>
<td>Music Theory IV</td>
<td>3</td>
</tr>
<tr>
<td>MUS 337</td>
<td>Music Reading &amp; Aural Skills III</td>
<td>1</td>
</tr>
<tr>
<td>MUS 338</td>
<td>Music Reading and Aural Skills IV</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Credits 25

Piano pedagogy emphasis (12 credits)
Applied music: select six credits in applied piano, at least two credits must be taken at the 300 level (MUA 314) and one credit at the 400 level (MUA 471)

<table>
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<tr>
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<tr>
<td>MUS 480</td>
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</tr>
<tr>
<td>MUS 351</td>
<td>Piano Pedagogy I</td>
<td>2</td>
</tr>
<tr>
<td>MUS 352</td>
<td>Piano Pedagogy II: Instructional Strategies</td>
<td>2</td>
</tr>
</tbody>
</table>

Six semesters of participation in ensembles, including 2 semesters of large

Total Credits 12

Degree requirements
All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 256)
- Baccalaureate degree requirements (p. 257)

CLS Bachelor of Arts core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track

1. Native speakers of English complete:
   Select one of the following:
   - CHI 202 Intermediate Chinese II
   - FRE 202 Intermediate French II
   - GER 202 Intermediate German II
   - RUS 202 Intermediate Russian II
   - SPA 202 Intermediate Spanish II
   - MLG 202 World Languages: Intermediate II
   - MLG 204 Heritage Language: Intermediate
   - MLG 304 Heritage Language: Advanced

   Non-native speakers of English: score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university’s English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations); and

2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.
B. Humanities track
1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

C. Fine arts track
1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees
Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA.\(^1\) At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA\(^1\) in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by December 1. May and summer graduates should file by May 1.

\(^1\) Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Music Major: Piano Pedagogy - Bachelor of Science (BS)

Major requirements
(All colleges, excluding teacher certification programs)
Auditions required.

37 credits

Core requirements (25 credits)

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<tr>
<td>MUS 235</td>
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<td>1</td>
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<tr>
<td>MUS 301</td>
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</tr>
<tr>
<td>MUS 335</td>
<td>Music Theory III</td>
<td>3</td>
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<td>Music Theory IV</td>
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<td>Music Reading &amp; Aural Skills III</td>
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</tr>
<tr>
<td>MUS 338</td>
<td>Music Reading and Aural Skills IV</td>
<td>1</td>
</tr>
</tbody>
</table>

Successful completion of concert attendance
Total Credits 25

Piano pedagogy emphasis (12 credits)

Applied music: select six credits in applied piano, at least two credits must be taken at the 300 level (MUA 314) and one credit at the 400 level (MUA 471)

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</tr>
</tbody>
</table>

Six semesters of participation in ensembles, including 2 semesters of large

Total Credits 12

Degree requirements
All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.
The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirements: "Mathematical/logical systems and modern languages" (GE02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Bachelor of Science students complete four courses outside the department of the student’s major as follows:

1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 335, PHL 336); and
4. One additional course in humanities or fine art or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Music Major: Music Theatre Emphasis - Bachelor of Arts (BA)

Major requirements

(All colleges, excluding teacher certification programs)

Auditions required.

37 credits

Core requirements (25 credits)

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</tr>
</tbody>
</table>
Music theatre emphasis (12 credits)

Students must be accepted into the music major: music theatre emphasis (by audition) before declaring it as a major. Students enrolling in this major must also declare a theatre minor: music theatre emphasis.

Applied music: select six credits in applied voice, at least three credits must be taken at the 300 level (MUA 321) and one credit at the 400 level (MUA 471)

MUS 310  The Singer/Actor  3
Music electives: select three credits at the 300 level or above  3
Six semesters of participation in ensembles  

Total Credits  25

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 259)
- Baccalaureate degree requirements (p. 260)

CLS Bachelor of Arts core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track

1. Native speakers of English complete:
Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHI 202</td>
<td>Intermediate Chinese II</td>
</tr>
<tr>
<td>FRE 202</td>
<td>Intermediate French II</td>
</tr>
<tr>
<td>GER 202</td>
<td>Intermediate German II</td>
</tr>
<tr>
<td>RUS 202</td>
<td>Intermediate Russian II</td>
</tr>
<tr>
<td>SPA 202</td>
<td>Intermediate Spanish II</td>
</tr>
<tr>
<td>MLG 202</td>
<td>World Languages: Intermediate II</td>
</tr>
<tr>
<td>MLG 204</td>
<td>Heritage Language: Intermediate</td>
</tr>
<tr>
<td>MLG 304</td>
<td>Heritage Language: Advanced</td>
</tr>
</tbody>
</table>

Non-native speakers of English: score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university’s English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations); and

2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

B. Humanities track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

C. Fine arts track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any
college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Music Major: Music Theatre Emphasis - Bachelor of Science (BS)

Major requirements

(All colleges, excluding teacher certification programs)

Auditions required.

37 credits

Core requirements (25 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>MUS 201</td>
<td>Musical Cultures</td>
<td>3</td>
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<tr>
<td>MUS 202</td>
<td>Music History: 1600-1825</td>
<td>2</td>
</tr>
<tr>
<td>MUS 235</td>
<td>Music Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MUS 236</td>
<td>Music Theory II</td>
<td>3</td>
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<tr>
<td>MUS 237</td>
<td>Music Reading &amp; Aural Skills I</td>
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<td>MUS 238</td>
<td>Music Reading and Aural Skills II</td>
<td>1</td>
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<tr>
<td>MUS 301</td>
<td>Music History: 1825-1900</td>
<td>2</td>
</tr>
<tr>
<td>MUS 302</td>
<td>Music History: 20th Century</td>
<td>2</td>
</tr>
<tr>
<td>MUS 335</td>
<td>Music Theory III</td>
<td>3</td>
</tr>
<tr>
<td>MUS 336</td>
<td>Music Theory IV</td>
<td>3</td>
</tr>
<tr>
<td>MUS 337</td>
<td>Music Reading &amp; Aural Skills III</td>
<td>1</td>
</tr>
<tr>
<td>MUS 338</td>
<td>Music Reading and Aural Skills IV</td>
<td>1</td>
</tr>
</tbody>
</table>

Successful completion of concert attendance

Total Credits: 25

Music theatre emphasis (12 credits)

Students must be accepted into the music major: music theatre emphasis (by audition) before declaring it as a major. Students enrolling in this major must also declare a theatre minor: music theatre emphasis.

Applied music: select six credits in applied voice, at least three credits must be taken at the 300 level (MUA 321) and one credit at the 400 level (MUA 471)

MUS 310  The Singer/Actor

Music electives: select three credits at the 300 level or above

Six semesters of participation in ensembles

Total Credits: 12

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 260)
- Baccalaureate degree requirements (p. 261)

CLS Bachelor of Science core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE02, category 2) may also be used to meet the B.A. and B.S. language requirements.
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Bachelor of Science students complete four courses outside the department of the student’s major as follows:
1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 339); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:
1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
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Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:
1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
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6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Music Education Major: Choral Music Emphasis - Bachelor of Science (BS)

Major requirements

Admission requirements to EC-A teacher certification programs (p. 401) (Teacher certification program: early childhood-adolescence licensure, EC-A)

60 credits

Music education core requirements (25 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 201</td>
<td>Musical Cultures</td>
<td>3</td>
</tr>
<tr>
<td>MUS 202</td>
<td>Music History: 1600-1825</td>
<td>2</td>
</tr>
<tr>
<td>MUS 235</td>
<td>Music Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MUS 236</td>
<td>Music Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MUS 237</td>
<td>Music Reading &amp; Aural Skills I</td>
<td>1</td>
</tr>
<tr>
<td>MUS 238</td>
<td>Music Reading &amp; Aural Skills II</td>
<td>1</td>
</tr>
<tr>
<td>MUS 301</td>
<td>Music History: 1825-1900</td>
<td>2</td>
</tr>
<tr>
<td>MUS 302</td>
<td>Music History: 20th Century</td>
<td>2</td>
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<tr>
<td>MUS 335</td>
<td>Music Theory III</td>
<td>3</td>
</tr>
<tr>
<td>MUS 336</td>
<td>Music Theory IV</td>
<td>3</td>
</tr>
<tr>
<td>MUS 337</td>
<td>Music Reading &amp; Aural Skills III</td>
<td>1</td>
</tr>
<tr>
<td>MUS 338</td>
<td>Music Reading and Aural Skills IV</td>
<td>1</td>
</tr>
</tbody>
</table>

Successful completion of attendance at 12 concerts per semester for six semesters attendance

Total Credits 25

Choral emphasis (35 credits)

Choral music core

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 149</td>
<td>Keyboard Competencies IV</td>
<td>1</td>
</tr>
<tr>
<td>MUS 211</td>
<td>Basic Conducting</td>
<td>2</td>
</tr>
<tr>
<td>MUS 213</td>
<td>Class Guitar</td>
<td>1</td>
</tr>
<tr>
<td>MUS 263</td>
<td>Introduction to Music Technology</td>
<td>1</td>
</tr>
<tr>
<td>MUS 318</td>
<td>Advanced Choral Conducting</td>
<td>2</td>
</tr>
<tr>
<td>MUS 321</td>
<td>Choral Arranging</td>
<td>2</td>
</tr>
<tr>
<td>MUS 322</td>
<td>Choral Techniques</td>
<td>3</td>
</tr>
<tr>
<td>MUS 328</td>
<td>Diction in Music</td>
<td>1</td>
</tr>
<tr>
<td>MUS 349</td>
<td>Vocal Accompanying</td>
<td>1</td>
</tr>
<tr>
<td>MUS 373</td>
<td>Choral Music in the Middle/Senior High School</td>
<td>3</td>
</tr>
</tbody>
</table>

Applied music

Select six credits in applied voice, including at least two at the 300 level and one credit at the 400 level from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUA 221</td>
<td>Applied Voice</td>
<td>6</td>
</tr>
</tbody>
</table>
MUA 321 Applied Voice
MUA 471 Recital

Large ensembles
Select six credits from the following: 6
MUS 153 Concert Choir
MUS 157 Mannerchoir
MUS 159 Women’s Chorus
MUS 167 Choral Union

Small ensembles
Select two credits of the following: 2
MUS 152 Opera Workshop
MUS 161 Ensembles
MUS 165 Jazz Ensemble I
MUS 166 Jazz Ensemble II
MUS 168 Vocal Jazz Ensemble
MUS 169 Chamber Choir

Music electives
Select four credits of any MUA or MUS course 2

Total Credits 35

1 two credits must be from MUS 153 Concert Choir (1 cr.) and/or MUS 167 Choral Union (1 cr.)
2 except MUS 105 and MUS 110

Students must complete MUS 149 Keyboard Competencies IV (1 cr.) with a grade of "B" or higher and successfully complete the recital requirement (400 level, applied music) prior to student teaching.

Additional teacher education requirements are listed in the School of Education (p. 397).

Degree requirements
All students must complete the general education, college core (waived for teacher certification programs), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- Baccalaureate degree requirements (p. 262)

Baccalaureate degrees
Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Music Education Major: General Music Emphasis - Bachelor of Science (BS)

Major requirements
Admission requirements to EC-A teacher certification programs (p. 401)
(Teacher certification program: early childhood-adolescence licensure, EC-A)
60 credits

Music education core requirements (25 credits)

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<td>Music Theory III</td>
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<td>MUS 336</td>
<td>Music Theory IV</td>
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<td>Music Reading &amp; Aural Skills III</td>
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<td>Music Reading and Aural Skills IV</td>
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</tr>
</tbody>
</table>

Successful completion of attendance at 12 concerts per semester for six semesters attendance

Total Credits 25

General music emphasis (35 credits)

General music core

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<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MUS 149</td>
<td>Keyboard Competencies IV</td>
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<td>Basic Conducting</td>
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<td>Credits</td>
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<tr>
<td>MUS 213</td>
<td>Class Guitar</td>
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<tr>
<td>MUS 328</td>
<td>Diction in Music</td>
<td>1</td>
</tr>
<tr>
<td>MUS 371</td>
<td>Methods and Materials in Elementary School Music</td>
<td>3</td>
</tr>
<tr>
<td>MUS 372</td>
<td>General Music in the Middle/Senior High School</td>
<td>3</td>
</tr>
</tbody>
</table>

**Applied music**

Select one of the following options: 6-8 credits

**OPTION I: Applied music (for voice) option (6 credits of applied voice, at least 2 credits must be at the 300 level):**

- MUA 221  Applied Voice
- MUA 321  Applied Voice

Select at least two credits at the 300 level

**OPTION II: Applied music (for instruments, 6 credits in one instrument PLUS 2 credits in applied voice option):**

Select at least two credits at the 300 level

**Private piano or vocal accompanying**

- MUA 314  Applied Piano 1 credit
- or MUS 349  Vocal Accompanying

**Large ensembles**

Select six credits from the following: 6 credits

- MUS 151  Screaming Eagles Marching Band
- MUS 153  Concert Choir
- MUS 155  Orchestra
- MUS 157  Mannenchoir
- MUS 159  Women’s Chorus
- MUS 163  Wind Symphony (Concert Band I)
- MUS 167  Choral Union

**Small ensembles**

Select two credits of the following: 2 credits

- MUS 152  Opera Workshop
- MUS 161  Ensembles
- MUS 165  Jazz Ensemble I
- MUS 166  Jazz Ensemble II
- MUS 168  Vocal Jazz Ensemble
- MUS 169  Chamber Choir

**Electives**

Select one of the following options: 1-3 credits

- Electives (for voice, three credits) option:
  - Select any MUA or MUS course

- Electives (for instruments, one credit) option:
  - Select any MUA or MUS course

**Total Credits**

35

1 except MUS 105 and MUS 110

Students must complete MUS 149 Keyboard Competencies IV (1 cr.) with a grade of "B" or higher prior to student teaching.

Additional teacher education requirements are listed in the School of Education (p. 397).

## Degree requirements

All students must complete the general education, college core (waived for teacher certification programs), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- Baccalaureate degree requirements (p. 263)

## Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
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No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

## Music Education Major: Instrumental Music Emphasis - Bachelor of Science (BS)

### Major requirements

Admission requirements to EC-A teacher certification programs (p. 401)

(Teacher certification program: early childhood-adolescence licensure, EC-A)
Music education core requirements (25 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 201</td>
<td>Musical Cultures</td>
<td>3</td>
</tr>
<tr>
<td>MUS 202</td>
<td>Music History: 1600-1825</td>
<td>2</td>
</tr>
<tr>
<td>MUS 235</td>
<td>Music Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MUS 236</td>
<td>Music Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MUS 237</td>
<td>Music Reading &amp; Aural Skills I</td>
<td>1</td>
</tr>
<tr>
<td>MUS 238</td>
<td>Music Reading and Aural Skills II</td>
<td>1</td>
</tr>
<tr>
<td>MUS 301</td>
<td>Music History: 1825-1900</td>
<td>2</td>
</tr>
<tr>
<td>MUS 302</td>
<td>Music History: 20th Century</td>
<td>2</td>
</tr>
<tr>
<td>MUS 335</td>
<td>Music Theory III</td>
<td>3</td>
</tr>
<tr>
<td>MUS 336</td>
<td>Music Theory IV</td>
<td>3</td>
</tr>
<tr>
<td>MUS 337</td>
<td>Music Reading &amp; Aural Skills III</td>
<td>1</td>
</tr>
<tr>
<td>MUS 338</td>
<td>Music Reading and Aural Skills IV</td>
<td>1</td>
</tr>
</tbody>
</table>

Successful completion of attendance at 12 concerts per semester for six semesters attendance

Total Credits 25

Instrumental emphasis (35 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 149</td>
<td>Keyboard Competencies IV</td>
<td>1</td>
</tr>
<tr>
<td>MUS 211</td>
<td>Basic Conducting</td>
<td>2</td>
</tr>
<tr>
<td>MUS 263</td>
<td>Introduction to Music Technology</td>
<td>1</td>
</tr>
<tr>
<td>MUS 316</td>
<td>Advanced Instrumental Conducting</td>
<td>2</td>
</tr>
<tr>
<td>MUS 320</td>
<td>Orchestration</td>
<td>2</td>
</tr>
<tr>
<td>MUS 374</td>
<td>Instrumental Music in the Schools</td>
<td>3</td>
</tr>
</tbody>
</table>

Applied music

Select six credits in one instrument, including at least two at the 300 level and one credit at the 400 level

Large ensembles

Select six credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 151</td>
<td>Screaming Eagles Marching Band</td>
<td>1</td>
</tr>
<tr>
<td>MUS 154</td>
<td>Symphonic Band (Concert Band II)</td>
<td>2</td>
</tr>
<tr>
<td>MUS 155</td>
<td>Orchestra</td>
<td>2</td>
</tr>
<tr>
<td>MUS 163</td>
<td>Wind Symphony (Concert Band I)</td>
<td>1</td>
</tr>
</tbody>
</table>

Small ensembles

Select two credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 161</td>
<td>Ensembles</td>
<td>2</td>
</tr>
<tr>
<td>MUS 165</td>
<td>Jazz Ensemble I</td>
<td>1</td>
</tr>
<tr>
<td>MUS 166</td>
<td>Jazz Ensemble II</td>
<td>2</td>
</tr>
<tr>
<td>MUS 168</td>
<td>Vocal Jazz Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUS 169</td>
<td>Chamber Choir</td>
<td>1</td>
</tr>
</tbody>
</table>

Music electives

Select one credit of any MUA or MUS course

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
</table>

Technique courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 214</td>
<td>String Techniques I</td>
<td>1</td>
</tr>
<tr>
<td>MUS 215</td>
<td>String Techniques II</td>
<td>1</td>
</tr>
<tr>
<td>MUS 220</td>
<td>High Brass Techniques</td>
<td>1</td>
</tr>
<tr>
<td>MUS 221</td>
<td>Low Brass Techniques</td>
<td>1</td>
</tr>
<tr>
<td>MUS 225</td>
<td>Percussion Techniques I</td>
<td>1</td>
</tr>
<tr>
<td>MUS 226</td>
<td>Percussion Techniques II</td>
<td>1</td>
</tr>
<tr>
<td>MUS 227</td>
<td>Woodwind Techniques I</td>
<td>1</td>
</tr>
</tbody>
</table>

Degree requirements

All students must complete the general education, college core (waived for teacher certification programs), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- Baccalaureate degree requirements (p. 264)

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.
Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Music Minor

(All colleges - auditions required)

25 credits (teaching certification is not granted for minor only)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 201</td>
<td>Musical Cultures</td>
<td>3</td>
</tr>
<tr>
<td>MUS 202</td>
<td>Music History: 1600-1825</td>
<td>2</td>
</tr>
<tr>
<td>MUS 235</td>
<td>Music Theory I</td>
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</tr>
<tr>
<td>MUS 236</td>
<td>Music Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MUS 237</td>
<td>Music Reading &amp; Aural Skills I</td>
<td>1</td>
</tr>
<tr>
<td>MUS 238</td>
<td>Music Reading and Aural Skills II</td>
<td>1</td>
</tr>
<tr>
<td>MUS 301</td>
<td>Music History: 1825-1900</td>
<td>2</td>
</tr>
<tr>
<td>MUS 302</td>
<td>Music History: 20th Century</td>
<td>2</td>
</tr>
<tr>
<td>Applied music: select four credits in voice or one instrument</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Electives: select four credits in MUA or MUS</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Four semesters of participation in large ensembles</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>25</td>
</tr>
</tbody>
</table>

Music Minor - Music Theatre Emphasis

Students must be accepted into the music minor: music theatre emphasis (by audition) before declaring it as a minor. Students enrolling in this minor must also declare a theatre major: music theatre emphasis.

18 credits

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 235</td>
<td>Music Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MUS 236</td>
<td>Music Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MUS 237</td>
<td>Music Reading &amp; Aural Skills I</td>
<td>1</td>
</tr>
<tr>
<td>MUS 238</td>
<td>Music Reading and Aural Skills II</td>
<td>1</td>
</tr>
<tr>
<td>MUS/THA 304</td>
<td>History of Music Theatre</td>
<td>3</td>
</tr>
<tr>
<td>Applied music: voice</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Ensemble participation ¹</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>18</td>
</tr>
</tbody>
</table>

¹ Four semesters of participation in ensembles, at least three of which will be for credit.

Theatre Arts (THA)

College of Liberal Studies
School of Arts and Communication
Department Chair: Joseph Anderson
158 Center for the Arts; 608.785.6707
Dept. ADA Krista Shulka
154 Center for the Arts; 608-785-6701

Email: janderson@uwlathe.edu

www.uwlax.edu/theatre

Theatre arts at UW-La Crosse offers an invigorating and fresh approach to undergraduate theatrical training. Our degree programs allow a wide range of opportunity while creating a focused and individual area of study for each student. We strive to balance vigorous classroom learning with practical production experience allowing for a well-rounded college experience with an emphasis on the collaborative and creative process. The theatre arts curriculum allows concentrations in six distinct areas of study: general theatre studies, design/technical, performance, music theatre, stage management and arts administration. Students at UW-La Crosse can choose to major in one theatre emphasis area while minoring in another thus enhancing their educational opportunities and professional marketability.

One-on-one contact with our teaching faculty is emphasized and students are guaranteed a degree of personal attention rarely available in programs that accept higher numbers of students. In addition to its full-time faculty, the department frequently brings guest artists to campus from professional and educational theatre. The atmosphere within the Department of Theatre Arts is supportive, positive, collaborative and artistically stimulating. Students are involved in theatre productions each year as backstage crew, technicians, designers, stage managers, performers, and front of house staff. Participation in theatre productions is open to all UW-La Crosse students regardless of their major.

The performance stage is the natural extension of the classroom experience. Students receive a tremendous amount of hands-on experience through classroom projects and realized productions. The UW-La Crosse Department of Theatre Arts produces six performances each academic year allowing students to demonstrate, refine and expand the skills they’ve learned in the classroom. Additional production work is available through classroom projects, senior recitals and designs, undergraduate research grant-funded productions, and other student laboratory productions.

- Students enrolling in a theatre major must complete the theatre arts major core requirements and one area of emphasis.
- Students enrolling in the theatre arts minor must select an area of emphasis.

General education writing emphasis

This department incorporates a significant amount of writing through the required courses instead of identifying particular courses as writing emphasis courses. Students who complete a major in this department will fulfill the general education writing emphasis requirement (p. 50).

Our people

Professor

Joseph Anderson
Mary Leonard Anderson
Ruthann Benson
M. Beth Cherne
Majors

- Theatre arts major: arts administration emphasis - BA (p. 266)
- Theatre arts major: arts administration emphasis - BS (p. 267)
- Theatre arts major: design/technical emphasis - BA (p. 269)
- Theatre arts major: design/technical emphasis - BS (p. 270)
- Theatre arts major: general emphasis - BA (p. 272)
- Theatre arts major: general emphasis - BS (p. 273)
- Theatre arts major: music theatre emphasis - BA (p. 275)
- Theatre arts major: music theatre emphasis - BS (p. 276)
- Theatre arts major: performance emphasis - BA (p. 277)
- Theatre arts major: performance emphasis - BS (p. 279)
- Theatre arts major: stage management emphasis - BA (p. 280)
- Theatre arts major: stage management emphasis - BS (p. 282)

Minors

- Theatre arts minor: arts administration emphasis (p. 283)
- Theatre arts minor: design/technical emphasis (p. 283)
- Theatre arts minor: general emphasis (p. 284)
- Theatre arts minor: music theatre emphasis (p. 284)
- Theatre arts minor: performance emphasis (p. 284)
- Theatre arts minor: stage management emphasis (p. 285)

Theatre Arts Major: Arts Administration Emphasis - Bachelor of Arts (BA)

Major requirements

(All colleges, excluding teacher certification programs)

Students enrolling in a theatre major must complete the theatre arts major core requirements and one area of emphasis.

Core requirements (21 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA 210</td>
<td>Foundations of Theatrical Production</td>
<td>3</td>
</tr>
<tr>
<td>THA 220</td>
<td>Acting I: Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>THA 231</td>
<td>Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>THA 250</td>
<td>Theatre Studies I: Origins to the Middle Ages</td>
<td>3</td>
</tr>
<tr>
<td>THA 251</td>
<td>Theatre Studies II: Renaissance Thru Mid 19th Century</td>
<td>3</td>
</tr>
<tr>
<td>THA 350</td>
<td>Theatre Studies III: Realism to the Present</td>
<td>3</td>
</tr>
<tr>
<td>THA 490</td>
<td>Capstone Project in Theatre Arts</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 21

THA 260 required first semester first year. THA 360 required every semester after first semester first year, except when completing THA 490.

Arts administration emphasis (18 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA 376</td>
<td>Economics of Art and Entertainment</td>
<td>3</td>
</tr>
<tr>
<td>THA 472</td>
<td>Theatre Management</td>
<td>3</td>
</tr>
<tr>
<td>ECO 110</td>
<td>Microeconomics and Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>MKT 309</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>POL 416</td>
<td>Nonprofit Organizations</td>
<td>3</td>
</tr>
<tr>
<td>Select three credits of the following:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>THA 290</td>
<td>Stage Management for the Arts</td>
<td></td>
</tr>
<tr>
<td>THA 450</td>
<td>Internship in Theatre Arts</td>
<td></td>
</tr>
<tr>
<td>THA 470</td>
<td>Symposium in Theatre Arts</td>
<td></td>
</tr>
<tr>
<td>THA 481</td>
<td>Independent Study</td>
<td></td>
</tr>
<tr>
<td>THA 482</td>
<td>Special Topics Theatre Arts</td>
<td></td>
</tr>
<tr>
<td>ACC 221</td>
<td>Accounting Principles I</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 18

Degree requirements

All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 266)
- Baccalaureate degree requirements (p. 267)

CLS Bachelor of Arts core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core
Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track
1. Native speakers of English complete:
   Select one of the following:
   - CHI 202 Intermediate Chinese II
   - FRE 202 Intermediate French II
   - GER 202 Intermediate German II
   - RUS 202 Intermediate Russian II
   - SPA 202 Intermediate Spanish II
   - MLG 202 World Languages: Intermediate II
   - MLG 204 Heritage Language: Intermediate
   - MLG 304 Heritage Language: Advanced

   Non-native speakers of English: score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university's English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations); and

2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

B. Humanities track
1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and

2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and

3. One additional course in social sciences or fine arts.

C. Fine arts track
1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and

2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and

3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or

2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or

3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees
Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.

2. Complete at least one ethnic studies (diversity) course.

3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)

4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. 1 At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.

5. Complete major and minor requirements with at least a 2.00 GPA 1 in each major and minor (and concentration or emphasis, if selected).

6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)

7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Theatre Arts Major: Arts Administration Emphasis - Bachelor of Science (BS)

Major requirements
(All colleges, excluding teacher certification programs)

Students enrolling in a theatre major must complete the theatre arts major core requirements and one area of emphasis.
Bachelor of Science degrees:  
The following conditions apply to one or both Bachelor of Arts and requirements

(WINGS) Student Center. All enrolled students have access to the AR. the Advisement Report (AR) found in the Student Information System degree. The easiest way to track all of these requirements is to refer to minor, and university degree requirements in order to qualify for a All students must complete the general education, college core, major/

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 268)
- Baccalaureate degree requirements (p. 268)

CLS Bachelor of Science core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A.or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.

5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core %20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).

Bachelor of Science students complete four courses outside the department of the student’s major as follows:

1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 339); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)

7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Theatre Arts Major: Design/Technical Emphasis - Bachelor of Arts (BA)

Major requirements
(All colleges, excluding teacher certification programs)

Students enrolling in a theatre major must complete the theatre arts major core requirements and one area of emphasis.

Core requirements (21 credits)

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA 210</td>
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<td>3</td>
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<tr>
<td>THA 231</td>
<td>Stagecraft</td>
<td>3</td>
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<td>THA 250</td>
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<td>THA 251</td>
<td>Theatre Studies II: Renaissance Thru Mid 19th Century</td>
<td>3</td>
</tr>
<tr>
<td>THA 350</td>
<td>Theatre Studies III: Realism to the Present</td>
<td>3</td>
</tr>
<tr>
<td>THA 490</td>
<td>Capstone Project in Theatre Arts</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 21

THA 260 required first semester first year. THA 360 required every semester after first semester first year, except when completing THA 490.

Design/technical emphasis (18 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 15 credits of the following: 15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>THA 130</td>
<td>Multicultural U.S. Plays: Acting the Text</td>
<td></td>
</tr>
<tr>
<td>THA 201</td>
<td>Dramatic Literature and Theatre Arts</td>
<td></td>
</tr>
<tr>
<td>THA 232</td>
<td>Costume Crafts</td>
<td></td>
</tr>
<tr>
<td>THA 241</td>
<td>Stage Makeup</td>
<td></td>
</tr>
<tr>
<td>THA 290</td>
<td>Stage Management for the Arts</td>
<td></td>
</tr>
<tr>
<td>THA 330</td>
<td>Scene Painting</td>
<td></td>
</tr>
<tr>
<td>THA 331</td>
<td>Theatre Technology</td>
<td></td>
</tr>
<tr>
<td>THA 340</td>
<td>Scenery Design</td>
<td></td>
</tr>
<tr>
<td>THA 341</td>
<td>Lighting Design</td>
<td></td>
</tr>
<tr>
<td>THA 342</td>
<td>Sound Design and Engineering</td>
<td></td>
</tr>
<tr>
<td>THA 351</td>
<td>World Theatre</td>
<td></td>
</tr>
<tr>
<td>THA 420</td>
<td>Directing</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 18

Degree requirements

All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 269)
- Baccalaureate degree requirements (p. 270)

CLS Bachelor of Arts core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track

1. Native speakers of English complete:
   Select one of the following:
   - CHI 202 Intermediate Chinese II
   - FRE 202 Intermediate French II
   - GER 202 Intermediate German II
   - RUS 202 Intermediate Russian II
must accomplish the following:

Candidates for the Bachelor of Arts or the Bachelor of Science degrees in Arts and Communication (SAC) must complete a second major, minor, or program option by satisfying one of the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA.1 At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA1 in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

**Theatre Arts Major: Design/Technical Emphasis - Bachelor of Science (BS)**

**Major requirements**

(All colleges, excluding teacher certification programs)

Students enrolling in a theatre major must complete the theatre arts major core requirements and one area of emphasis.

**Core requirements (21 credits)**

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA 210</td>
<td>Foundations of Theatrical Production</td>
<td>3</td>
</tr>
<tr>
<td>THA 220</td>
<td>Acting I: Fundamentals</td>
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</tr>
<tr>
<td>THA 231</td>
<td>Stagecraft</td>
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<td>THA 251</td>
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<td>3</td>
</tr>
<tr>
<td>THA 350</td>
<td>Theatre Studies III: Realism to the Present</td>
<td>3</td>
</tr>
<tr>
<td>THA 490</td>
<td>Capstone Project in Theatre Arts</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>21</strong></td>
</tr>
</tbody>
</table>

THA 260 required first semester first year. THA 360 required every semester after first semester first year, except when completing THA 490.

**Design/technical emphasis (18 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA 240</td>
<td>Rendering for Theatre</td>
<td>3</td>
</tr>
<tr>
<td>Select 15 credits of the following:</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>THA 130</td>
<td>Multicultural U.S. Plays: Acting the Text</td>
<td></td>
</tr>
<tr>
<td>THA 201</td>
<td>Dramatic Literature and Theatre Arts</td>
<td></td>
</tr>
</tbody>
</table>

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**Non-native speakers of English:** score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university’s English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations); and

2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

**B. Humanities track**

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

**C. Fine arts track**

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

**Baccalaureate degrees**

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

**Theatre Arts Major: Design/Technical Emphasis - Bachelor of Science (BS)**

**Major requirements**

(All colleges, excluding teacher certification programs)

Students enrolling in a theatre major must complete the theatre arts major core requirements and one area of emphasis.

**Core requirements (21 credits)**

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THA 260 required first semester first year. THA 360 required every semester after first semester first year, except when completing THA 490.

**Design/technical emphasis (18 credits)**

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Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 271)
- Baccalaureate degree requirements (p. 271)

**CLS Bachelor of Science core requirements**

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE02, category 2).
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement:

**Bachelor of Science students complete four courses outside the department of the student’s major as follows:**

1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 339); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

**In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:**

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

**Baccalaureate degrees**

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last college semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.
Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Theatre Arts Major: General Emphasis - Bachelor of Arts (BA)

Major requirements
(All colleges, excluding teacher certification programs)

Students enrolling in a theatre major must complete the theatre arts major core requirements and one area of emphasis.

Core requirements (21 credits)

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<tr>
<td>THA 490</td>
<td>Capstone Project in Theatre Arts</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Credits</strong></td>
<td>21</td>
</tr>
</tbody>
</table>

THA 260 required first semester first year. THA 360 required every semester after first semester first year, except when completing THA 490.

General emphasis (18 credits)

Select nine credits of the performance area and nine credits of the design/technical area:

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Total Credits</strong></td>
<td>18</td>
</tr>
</tbody>
</table>

Degree requirements

All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 272)
- Baccalaureate degree requirements (p. 273)

CLS Bachelor of Arts core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track

1. Native speakers of English complete:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>CHI 202</td>
<td>Intermediate Chinese II</td>
</tr>
<tr>
<td>FRE 202</td>
<td>Intermediate French II</td>
</tr>
<tr>
<td>GER 202</td>
<td>Intermediate German II</td>
</tr>
<tr>
<td>RUS 202</td>
<td>Intermediate Russian II</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA 440</td>
<td>Costume Design/History</td>
</tr>
<tr>
<td>THA 450</td>
<td>Internship in Theatre Arts</td>
</tr>
<tr>
<td>THA 470</td>
<td>Symposium in Theatre Arts</td>
</tr>
<tr>
<td>THA 471</td>
<td>Playwriting</td>
</tr>
<tr>
<td>THA 472</td>
<td>Theatre Management</td>
</tr>
<tr>
<td>THA 481</td>
<td>Independent Study</td>
</tr>
<tr>
<td>THA 482</td>
<td>Special Topics Theatre Arts</td>
</tr>
</tbody>
</table>
must accomplish the following:

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)

4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.

5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).

6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)

7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Theatre Arts Major: General Emphasis - Bachelor of Science (BS)

Major requirements

(All colleges, excluding teacher certification programs)

Students enrolling in a theatre major must complete the theatre arts major core requirements and one area of emphasis.

Core requirements (21 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>THA 210</td>
<td>Foundations of Theatrical Production</td>
<td>3</td>
</tr>
<tr>
<td>THA 220</td>
<td>Acting I: Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>THA 231</td>
<td>Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>THA 250</td>
<td>Theatre Studies I: Origins to the Middle Ages</td>
<td>3</td>
</tr>
<tr>
<td>THA 251</td>
<td>Theatre Studies II: Renaissance Thru Mid 19th Century</td>
<td>3</td>
</tr>
<tr>
<td>THA 350</td>
<td>Theatre Studies III: Realism to the Present</td>
<td>3</td>
</tr>
<tr>
<td>THA 490</td>
<td>Capstone Project in Theatre Arts</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total Credits</td>
<td>21</td>
</tr>
</tbody>
</table>

THA 260 required first semester first year. THA 360 required every semester after first semester first year, except when completing THA 490.

General emphasis (18 credits)

Select nine credits of the performance area and nine credits of the design/technical area:

<table>
<thead>
<tr>
<th>Course</th>
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</tr>
</thead>
<tbody>
<tr>
<td>THA 130</td>
<td>Multicultural U.S. Plays: Acting the Text</td>
</tr>
<tr>
<td>THA 201</td>
<td>Dramatic Literature and Theatre Arts</td>
</tr>
</tbody>
</table>
Bachelor of Science degrees:

The following conditions apply to one or both Bachelor of Arts and CLS Bachelor of Science core (WINGS) Student Center. All enrolled students have access to the AR. the Advisement Report (AR) found in the Student Information System degree. The easiest way to track all of these requirements is to refer minor, and university degree requirements in order to qualify for a All students must complete the general education, college core, major/

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 274)
- Baccalaureate degree requirements (p. 274)

CLS Bachelor of Science core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.

Total Credits 18

6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core %20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).

Bachelor of Science students complete four courses outside the department of the student’s major as follows:

1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 339); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her
final semester or summer term in residence. December and winter
intersession graduates should file by May 1. May and summer
graduates should file by December 1.

1 Grade point average requirements for some programs will be
considerably higher than 2.00. Re-entering students may be required
to earn credits in excess of the 120 needed for graduation in any
curriculum in order to replace credits earned in courses in which the
content has changed substantially in recent years. Each case will be
judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and
recorded within 30 days after the official ending date of each term.

**Theatre Arts Major: Music Theatre Emphasis - Bachelor of Arts (BA)**

**Major requirements**

(All colleges, excluding teacher certification programs)

Students enrolling in a theatre major must complete the theatre arts major
core requirements and one area of emphasis.

**Core requirements (21 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA 210</td>
<td>Foundations of Theatrical Production</td>
<td>3</td>
</tr>
<tr>
<td>THA 220</td>
<td>Acting I: Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>THA 231</td>
<td>Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>THA 250</td>
<td>Theatre Studies I: Origins to the Middle Ages</td>
<td>3</td>
</tr>
<tr>
<td>THA 251</td>
<td>Theatre Studies II: Renaissance Thru Mid 19th Century</td>
<td>3</td>
</tr>
<tr>
<td>THA 350</td>
<td>Theatre Studies III: Realism to the Present</td>
<td>3</td>
</tr>
<tr>
<td>THA 490</td>
<td>Capstone Project in Theatre Arts</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 21

THA 260 required first semester first year. THA 360 required every
semester after first semester first year, except when completing THA 490.

**Music theatre emphasis (16 credits)**

Students must be accepted into the theatre major: music theatre
emphasis (by audition) before declaring it as a major. Students enrolling
in this major must also declare a music minor: music theatre emphasis.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA 221</td>
<td>Movement for the Stage</td>
<td>3</td>
</tr>
<tr>
<td>THA 222</td>
<td>Voice and Diction for the Stage</td>
<td>3</td>
</tr>
<tr>
<td>THA 270</td>
<td>Music Theatre Vocal Study 1</td>
<td>1</td>
</tr>
<tr>
<td>THA 310</td>
<td>The Singer/Actor</td>
<td>3</td>
</tr>
<tr>
<td>THA 320</td>
<td>Acting II: Characterization</td>
<td>3</td>
</tr>
<tr>
<td>THA/MUS 324</td>
<td>Cabaret Performance Workshop</td>
<td>3</td>
</tr>
</tbody>
</table>

Dance Requirement:

ESS 100 Physical Activities (Four credits, music theatre and
tap are required. Remaining two credits may be
chosen from ballet, jazz or modern. Credits do not count toward major.)

Total Credits: 16

1 Students may enroll in THA 270 Music Theatre Vocal Study (1 cr.) for
up to 6 semesters after completing the applied voice requirement
in their music minor. One credit will count toward the major.

**Degree requirements**

All students must complete the general education, college core, major/
minor, and university degree requirements in order to qualify for a
degree. The easiest way to track all of these requirements is to refer to
the Advisement Report (AR) found in the Student Information System
(WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 275)
- Baccalaureate degree requirements (p. 276)

**CLS Bachelor of Arts core requirements**

The following conditions apply to one or both Bachelor of Arts and
Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a
Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a
B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill
general education requirement: "Mathematical/logical systems and
modern languages" (GE 02, category 2) may also be used to meet
the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be
in addition to the minimum 39 credits required in the General
Education Program.
5. At least one course in the B.A. or B.S. college degree program
(core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree
Option Course List [http://www2.uwlax.edu/uploadedFiles/Academics-Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf] or in the Advisement Report (AR) when the
degree has been declared.

Courses used to fulfill general education requirements will not apply
to core requirements except for language courses (CHI, FRE, GER,
RUS, SPA, MLG) that count in the general education requirement:
"Mathematical/logical systems and modern languages" (GE 02, category 2).

**Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:**

**A. Language track**

1. Native speakers of English complete:

Select one of the following:

- CHI 202 Intermediate Chinese II
- FRE 202 Intermediate French II
- GER 202 Intermediate German II
- RUS 202 Intermediate Russian II
- SPA 202 Intermediate Spanish II
- MLG 202 World Languages: Intermediate II
- MLG 204 Heritage Language: Intermediate
- MLG 304 Heritage Language: Advanced

Non-native speakers of English: score at least 80 on the La
Crosse Battery of exams for non-native speakers of English; or
submit a TOEFL or IELTS score that meets the university’s English
language proficiency requirement for admission; or complete
ESL 252 or ESL 253, and one additional course from ESL 250,
ESL 251, ESL 252, ESL 253. (Contact the English as a Second
Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations; and
2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

B. Humanities track
1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

C. Fine arts track
1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees
Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).

6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Theatre Arts Major: Music Theatre Emphasis - Bachelor of Science (BS)

Major requirements
(All colleges, excluding teacher certification programs)

Students enrolling in a theatre major must complete the theatre arts major core requirements and one area of emphasis.

Core requirements (21 credits)

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
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<td>Foundations of Theatrical Production</td>
<td>3</td>
</tr>
<tr>
<td>THA 220</td>
<td>Acting I: Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>THA 231</td>
<td>Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>THA 250</td>
<td>Theatre Studies I: Origins to the Middle Ages</td>
<td>3</td>
</tr>
<tr>
<td>THA 251</td>
<td>Theatre Studies II: Renaissance Thru Mid 19th Century</td>
<td>3</td>
</tr>
<tr>
<td>THA 350</td>
<td>Theatre Studies III: Realism to the Present</td>
<td>3</td>
</tr>
<tr>
<td>THA 490</td>
<td>Capstone Project in Theatre Arts</td>
<td>3</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>21</td>
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</tbody>
</table>

THA 260 required first semester first year. THA 360 required every semester after first semester first year, except when completing THA 490.

Music theatre emphasis (16 credits)

Students must be accepted into the theatre major; music theatre emphasis (by audition) before declaring it as a major. Students enrolling in this major must also declare a music minor: music theatre emphasis.

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</tr>
<tr>
<td>THA 222</td>
<td>Voice and Diction for the Stage</td>
<td>3</td>
</tr>
<tr>
<td>THA 270</td>
<td>Music Theatre Vocal Study</td>
<td>1</td>
</tr>
<tr>
<td>THA 310</td>
<td>The Singer/Actor</td>
<td>3</td>
</tr>
<tr>
<td>THA 320</td>
<td>Acting II: Characterization</td>
<td>3</td>
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</table>

Dance Requirement:
ESS 100  |  Physical Activities (Four credits, music theatre and tap are required. Remaining two credits may be chosen from ballet, jazz or modern. Credits do not count toward major.)

| Total Credits | 16 |

---

1. Students may enroll in THA 270 Music Theatre Vocal Study (1 cr.) for up to 6 semesters after completing the applied voice requirement in their music minor. One credit will count toward the major.

**Degree requirements**

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 277)
- Baccalaureate degree requirements (p. 277)

## CLS Bachelor of Science core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE02, category 2) may also be used to meet the B.A. and B.S. language requirements.
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**Bachelor of Science students complete four courses outside the department of the student’s major as follows:**

1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 339); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
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### Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
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No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

### Theatre Arts Major: Performance Emphasis - Bachelor of Arts (BA)

**Major requirements**

(All colleges, excluding teacher certification programs)
Students enrolling in a theatre major must complete the theatre arts major core requirements and one area of emphasis.

**Core requirements (21 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<td>THA 231</td>
<td>Stagecraft</td>
<td>3</td>
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<tr>
<td>THA 250</td>
<td>Theatre Studies I: Origins to the Middle Ages</td>
<td>3</td>
</tr>
<tr>
<td>THA 251</td>
<td>Theatre Studies II: Renaissance Thru Mid 19th Century</td>
<td>3</td>
</tr>
<tr>
<td>THA 350</td>
<td>Theatre Studies III: Realism to the Present</td>
<td>3</td>
</tr>
<tr>
<td>THA 490</td>
<td>Capstone Project in Theatre Arts</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits** 21

THA 260 required first semester first year. THA 360 required every semester after first semester first year, except when completing THA 490.

**Performance emphasis (18 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA 222</td>
<td>Voice and Diction for the Stage</td>
<td>3</td>
</tr>
<tr>
<td>THA 320</td>
<td>Acting II: Characterization</td>
<td>3</td>
</tr>
<tr>
<td>THA 321</td>
<td>Acting III: Styles</td>
<td>3</td>
</tr>
<tr>
<td>THA 130</td>
<td>Multicultural U.S. Plays: Acting the Text</td>
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<tr>
<td>THA 201</td>
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<td></td>
</tr>
<tr>
<td>THA 221</td>
<td>Movement for the Stage</td>
<td></td>
</tr>
<tr>
<td>THA 241</td>
<td>Stage Makeup</td>
<td></td>
</tr>
<tr>
<td>THA 290</td>
<td>Stage Management for the Arts</td>
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</tr>
<tr>
<td>THA 310</td>
<td>The Singer/Actor</td>
<td></td>
</tr>
<tr>
<td>THA 351</td>
<td>World Theatre</td>
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</tr>
<tr>
<td>THA 420</td>
<td>Directing</td>
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<tr>
<td>THA 421</td>
<td>Performance Studio</td>
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</tr>
<tr>
<td>THA 422</td>
<td>Acting IV: Audition Techniques</td>
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</tr>
<tr>
<td>THA 440</td>
<td>Costume Design/History</td>
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</tr>
<tr>
<td>THA 470</td>
<td>Symposium in Theatre Arts</td>
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<tr>
<td>THA 471</td>
<td>Playwriting</td>
<td></td>
</tr>
<tr>
<td>THA 481</td>
<td>Independent Study</td>
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</tr>
<tr>
<td>THA 482</td>
<td>Special Topics Theatre Arts</td>
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</tbody>
</table>

**Select nine credits of the following:** 9

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<td>THA 241</td>
<td>Stage Makeup</td>
</tr>
<tr>
<td>THA 290</td>
<td>Stage Management for the Arts</td>
</tr>
<tr>
<td>THA 310</td>
<td>The Singer/Actor</td>
</tr>
<tr>
<td>THA 351</td>
<td>World Theatre</td>
</tr>
<tr>
<td>THA 420</td>
<td>Directing</td>
</tr>
<tr>
<td>THA 421</td>
<td>Performance Studio</td>
</tr>
<tr>
<td>THA 422</td>
<td>Acting IV: Audition Techniques</td>
</tr>
<tr>
<td>THA 440</td>
<td>Costume Design/History</td>
</tr>
<tr>
<td>THA 470</td>
<td>Symposium in Theatre Arts</td>
</tr>
<tr>
<td>THA 471</td>
<td>Playwriting</td>
</tr>
<tr>
<td>THA 481</td>
<td>Independent Study</td>
</tr>
<tr>
<td>THA 482</td>
<td>Special Topics Theatre Arts</td>
</tr>
</tbody>
</table>

**Total Credits** 18

**Degree requirements**

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 278)
- Baccalaureate degree requirements (p. 279)

**CLS Bachelor of Arts core requirements**

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2).

**Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:**

**A. Language track**

1. **Native speakers of English** complete:
   Select one of the following:
   - CHI 202 Intermediate Chinese II
   - FRE 202 Intermediate French II
   - GER 202 Intermediate German II
   - RUS 202 Intermediate Russian II
   - SPA 202 Intermediate Spanish II
   - MLG 202 World Languages: Intermediate II
   - MLG 204 Heritage Language: Intermediate
   - MLG 304 Heritage Language: Advanced

2. **Non-native speakers of English:** score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university’s English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations); and

**B. Humanities track**

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and

2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

**C. Fine arts track**

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study
abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:
1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees
Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:
1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Theatre Arts Major: Performance Emphasis - Bachelor of Science (BS)

Major requirements
(All colleges, excluding teacher certification programs)
Students enrolling in a theatre major must complete the theatre arts major core requirements and one area of emphasis.

Core requirements (21 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA 210</td>
<td>Foundations of Theatrical Production</td>
<td>3</td>
</tr>
<tr>
<td>THA 220</td>
<td>Acting I: Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>THA 231</td>
<td>Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>THA 250</td>
<td>Theatre Studies I: Origins to the Middle Ages</td>
<td>3</td>
</tr>
<tr>
<td>THA 251</td>
<td>Theatre Studies II: Renaissance Thru Mid 19th Century</td>
<td>3</td>
</tr>
<tr>
<td>THA 350</td>
<td>Theatre Studies III: Realism to the Present</td>
<td>3</td>
</tr>
<tr>
<td>THA 490</td>
<td>Capstone Project in Theatre Arts</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 21

THA 260 required first semester first year. THA 360 required every semester after first semester first year, except when completing THA 490.

Performance emphasis (18 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA 222</td>
<td>Voice and Diction for the Stage</td>
<td>3</td>
</tr>
<tr>
<td>THA 320</td>
<td>Acting II: Characterization</td>
<td>3</td>
</tr>
<tr>
<td>THA 321</td>
<td>Acting III: Styles</td>
<td>3</td>
</tr>
</tbody>
</table>

Select nine credits of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA 130</td>
<td>Multicultural U.S. Plays: Acting the Text</td>
<td></td>
</tr>
<tr>
<td>THA 201</td>
<td>Dramatic Literature and Theatre Arts</td>
<td></td>
</tr>
<tr>
<td>THA 221</td>
<td>Movement for the Stage</td>
<td></td>
</tr>
<tr>
<td>THA 241</td>
<td>Stage Makeup</td>
<td></td>
</tr>
<tr>
<td>THA 290</td>
<td>Stage Management for the Arts</td>
<td></td>
</tr>
<tr>
<td>THA 310</td>
<td>The Singer/Actor</td>
<td></td>
</tr>
<tr>
<td>THA 351</td>
<td>World Theatre</td>
<td></td>
</tr>
<tr>
<td>THA 420</td>
<td>Directing</td>
<td></td>
</tr>
<tr>
<td>THA 421</td>
<td>Performance Studio</td>
<td></td>
</tr>
<tr>
<td>THA 422</td>
<td>Acting IV: Audition Techniques</td>
<td></td>
</tr>
<tr>
<td>THA 440</td>
<td>Costume Design/History</td>
<td></td>
</tr>
<tr>
<td>THA 470</td>
<td>Symposium in Theatre Arts</td>
<td></td>
</tr>
<tr>
<td>THA 471</td>
<td>Playwriting</td>
<td></td>
</tr>
<tr>
<td>THA 481</td>
<td>Independent Study</td>
<td></td>
</tr>
<tr>
<td>THA 482</td>
<td>Special Topics Theatre Arts</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 18

Degree requirements
All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 280)
• Baccalaureate degree requirements (p. 280)

**CLS Bachelor of Science core requirements**

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: "Mathematical/logical systems and modern languages" (GE02, category 2).

**Bachelor of Science students complete four courses outside the department of the student’s major as follows:**

1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHIL 334, PHIL 339); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

**In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:**

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

**Baccalaureate degrees**

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

**Theatre Arts Major: Stage Management Emphasis - Bachelor of Arts (BA)**

**Major requirements**

(All colleges, excluding teacher certification programs)

Students enrolling in a theatre major must complete the theatre arts major core requirements and one area of emphasis.

**Core requirements (21 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA 210</td>
<td>Foundations of Theatrical Production</td>
<td>3</td>
</tr>
<tr>
<td>THA 220</td>
<td>Acting I: Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>THA 231</td>
<td>Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>THA 250</td>
<td>Theatre Studies I: Origins to the Middle Ages</td>
<td>3</td>
</tr>
<tr>
<td>THA 251</td>
<td>Theatre Studies II: Renaissance Thru Mid 19th Century</td>
<td>3</td>
</tr>
<tr>
<td>THA 350</td>
<td>Theatre Studies III: Realism to the Present</td>
<td>3</td>
</tr>
<tr>
<td>THA 490</td>
<td>Capstone Project in Theatre Arts</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits: 21**
The following conditions apply to one or both Bachelor of Arts and CLS Bachelor of Arts core requirements.

Stage management emphasis (19 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA 290</td>
<td>Stage Management for the Arts</td>
<td>3</td>
</tr>
<tr>
<td>THA 341</td>
<td>Lighting Design</td>
<td>3</td>
</tr>
<tr>
<td>THA 342</td>
<td>Sound Design and Engineering</td>
<td>3</td>
</tr>
<tr>
<td>THA 390</td>
<td>Advanced Stage Management (two enrollments)</td>
<td>4</td>
</tr>
<tr>
<td>THA 420</td>
<td>Directing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select three credits of the following:</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>THA 232</td>
<td>Costume Crafts</td>
</tr>
<tr>
<td></td>
<td>THA 330</td>
<td>Scene Painting</td>
</tr>
<tr>
<td></td>
<td>THA 331</td>
<td>Theatre Technology</td>
</tr>
<tr>
<td></td>
<td>THA 340</td>
<td>Scenery Design</td>
</tr>
<tr>
<td></td>
<td>THA 421</td>
<td>Performance Studio</td>
</tr>
<tr>
<td></td>
<td>THA 440</td>
<td>Costume Design/History</td>
</tr>
<tr>
<td></td>
<td>THA 450</td>
<td>Internship in Theatre Arts</td>
</tr>
<tr>
<td></td>
<td>THA 470</td>
<td>Symposium in Theatre Arts</td>
</tr>
<tr>
<td></td>
<td>THA 471</td>
<td>Playwriting</td>
</tr>
<tr>
<td></td>
<td>THA 472</td>
<td>Theatre Management</td>
</tr>
<tr>
<td></td>
<td>THA 481</td>
<td>Independent Study</td>
</tr>
<tr>
<td></td>
<td>THA 482</td>
<td>Special Topics Theatre Arts</td>
</tr>
</tbody>
</table>

Total Credits 19

Degree requirements

All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 281)
- Baccalaureate degree requirements (p. 282)

CLS Bachelor of Arts core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:

1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
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Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: "Mathematical/logical systems and modern languages" (GE 02, category 2).

Declare ONE of the following tracks in the CLS Academic Services Office in 260 Morris Hall:

A. Language track

1. Native speakers of English complete:
   Select one of the following:
   - CHI 202 Intermediate Chinese II
   - FRE 202 Intermediate French II
   - GER 202 Intermediate German II
   - RUS 202 Intermediate Russian II
   - SPA 202 Intermediate Spanish II
   - MLG 202 World Languages: Intermediate II
   - MLG 204 Heritage Language: Intermediate
   - MLG 304 Heritage Language: Advanced

Non-native speakers of English: score at least 80 on the La Crosse Battery of exams for non-native speakers of English; or submit a TOEFL or IELTS score that meets the university’s English language proficiency requirement for admission; or complete ESL 252 or ESL 253, and one additional course from ESL 250, ESL 251, ESL 252, ESL 253. (Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations); and

2. Two additional courses outside of the student’s major in two of the following: humanities, social sciences or fine arts.

B. Humanities track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: history, English, philosophy; and
3. One additional course in social sciences or fine arts.

C. Fine arts track

1. One modern language course 102 or higher or an Office of International Education (OIE) approved semester long study abroad experience combined with the INS 250, INS 251, INS 252 sequence; and
2. Two additional courses outside the department of the student’s major from two different departments chosen from: art, communication studies, music, theatre; and
3. One additional course in social sciences or humanities.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:

1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education
courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees
Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:
1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
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No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Theatre Arts Major: Stage Management Emphasis - Bachelor of Science (BS)

Major requirements
(All colleges, excluding teacher certification programs)

Students enrolling in a theatre major must complete the theatre arts major core requirements and one area of emphasis.

Core requirements (21 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA 210</td>
<td>Foundations of Theatrical Production</td>
<td>3</td>
</tr>
<tr>
<td>THA 220</td>
<td>Acting I: Fundamentals</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA 231</td>
<td>Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>THA 250</td>
<td>Theatre Studies I: Origins to the Middle Ages</td>
<td>3</td>
</tr>
<tr>
<td>THA 251</td>
<td>Theatre Studies II: Renaissance Thru Mid 19th Century</td>
<td>3</td>
</tr>
<tr>
<td>THA 350</td>
<td>Theatre Studies III: Realism to the Present</td>
<td>3</td>
</tr>
<tr>
<td>THA 490</td>
<td>Capstone Project in Theatre Arts</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 21

THA 260 required first semester first year. THA 360 required every semester after first semester first year, except when completing THA 490.

Stage management emphasis (19 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA 290</td>
<td>Stage Management for the Arts</td>
<td>3</td>
</tr>
<tr>
<td>THA 341</td>
<td>Lighting Design</td>
<td>3</td>
</tr>
<tr>
<td>THA 342</td>
<td>Sound Design and Engineering</td>
<td>3</td>
</tr>
<tr>
<td>THA 390</td>
<td>Advanced Stage Management (two enrollments)</td>
<td>4</td>
</tr>
<tr>
<td>THA 420</td>
<td>Directing</td>
<td>3</td>
</tr>
</tbody>
</table>

Select three credits of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA 232</td>
<td>Costume Crafts</td>
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<td>THA 330</td>
<td>Scene Painting</td>
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<td>THA 331</td>
<td>Theatre Technology</td>
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<td>THA 340</td>
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<td>THA 440</td>
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<td>THA 470</td>
<td>Symposium in Theatre Arts</td>
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<td>THA 471</td>
<td>Playwriting</td>
<td>3</td>
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<td>THA 472</td>
<td>Theatre Management</td>
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<td>THA 481</td>
<td>Independent Study</td>
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</tr>
<tr>
<td>THA 482</td>
<td>Special Topics Theatre Arts</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 19

Degree requirements
All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 282)
- Baccalaureate degree requirements (p. 283)

CLS Bachelor of Science core requirements

The following conditions apply to one or both Bachelor of Arts and Bachelor of Science degrees:
1. Students majoring in English or in a modern language must earn a Bachelor of Arts degree.
2. Students majoring in other CLS programs may choose either a B.A. or a B.S. degree.
3. Language courses (CHI, FRE, GER, RUS, SPA, MLG) used to fulfill general education requirement: “Mathematical/logical systems and modern languages” (GE02, category 2) may also be used to meet the B.A. and B.S. language requirements.
4. All other courses used to meet the requirements below must be in addition to the minimum 39 credits required in the General Education Program.
5. At least one course in the B.A. or B.S. college degree program (core requirements) must be a CLS designated diversity course.
6. Applicable courses may be found on the CLS B.A./B.S. Degree Option Course List (http://www2.uwlax.edu/uploadedFiles/Academics/Colleges_Schools/CLS/BA%20and%20BS%20Core%20Courses.pdf) or in the Advisement Report (AR) when the degree has been declared.

Courses used to fulfill general education requirements will not apply to core requirements except for language courses (CHI, FRE, GER, RUS, SPA, MLG) that count in the general education requirement: “Mathematical/logical systems and modern languages” (GE 02, category 2).

Bachelor of Science students complete four courses outside the department of the student’s major as follows:
1. A lab science course (from the general education list); and
2. A social science course; and
3. Another social science or general education natural science, or math course, or an approved CLS alternative (ENV 201, PHL 334, PHL 339); and
4. One additional course in humanities or fine arts or complete a modern language course 102 level or higher.

In addition to all other College of Liberal Studies core requirements, all students in CLS must complete a second major, minor, or program option by satisfying one of the following:
1. Complete a minor (or second major) outside of the student’s major program, consisting of at least 18 credits; or
2. Complete an emphasis, program or concentration of at least 18 credits outside the student’s major program. General education courses may apply provided they are not being used to fulfill minimum general education requirements; or
3. Complete 18 credits in two or more departments or programs (at least 12 credits earned at the 300/400 level). These courses must be outside the student’s major department and can be from any college. General education courses may apply provided they are not being used to fulfill minimum general education requirements.

Baccalaureate degrees
Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:
1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in core requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Theatre Arts Minor: Arts Administration Emphasis

(All colleges, excluding teacher certification programs)

21 credits

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA 210</td>
<td>Foundations of Theatrical Production</td>
<td>3</td>
</tr>
<tr>
<td>THA 220</td>
<td>Acting I: Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>THA 231</td>
<td>Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>THA 376</td>
<td>Economics of Art and Entertainment</td>
<td>3</td>
</tr>
<tr>
<td>THA 472</td>
<td>Theatre Management</td>
<td>3</td>
</tr>
<tr>
<td>THA 360</td>
<td>Theatre Arts Practicum (minimum of three credits taken over at least two productions)</td>
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Select three credits of the following:

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<tr>
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<tbody>
<tr>
<td>THA 250</td>
<td>Theatre Studies I: Origins to the Middle Ages</td>
<td>3</td>
</tr>
<tr>
<td>THA 251</td>
<td>Theatre Studies II: Renaissance Thru Mid 19th Century</td>
<td></td>
</tr>
<tr>
<td>THA 290</td>
<td>Stage Management for the Arts</td>
<td></td>
</tr>
<tr>
<td>THA 350</td>
<td>Theatre Studies III: Realism to the Present</td>
<td></td>
</tr>
<tr>
<td>THA 351</td>
<td>World Theatre</td>
<td></td>
</tr>
<tr>
<td>THA 450</td>
<td>Internship in Theatre Arts</td>
<td></td>
</tr>
<tr>
<td>THA 481</td>
<td>Independent Study</td>
<td></td>
</tr>
<tr>
<td>THA 482</td>
<td>Special Topics Theatre Arts</td>
<td></td>
</tr>
<tr>
<td>POL 416</td>
<td>Nonprofit Organizations</td>
<td></td>
</tr>
<tr>
<td>ECO 110</td>
<td>Microeconomics and Public Policy</td>
<td></td>
</tr>
<tr>
<td>MKT 309</td>
<td>Principles of Marketing</td>
<td></td>
</tr>
<tr>
<td>ACC 221</td>
<td>Accounting Principles I</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 21

Theatre Arts Minor: Design/Technical Emphasis

(All colleges, excluding teacher certification programs)

21 credits

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THA 250</td>
<td>Foundations of Theatrical Production</td>
<td>3</td>
</tr>
<tr>
<td>THA 220</td>
<td>Acting I: Fundamentals</td>
<td>3</td>
</tr>
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<td>Stagecraft</td>
<td>3</td>
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<td>THA 376</td>
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<td>THA 472</td>
<td>Theatre Management</td>
<td>3</td>
</tr>
<tr>
<td>THA 360</td>
<td>Theatre Arts Practicum (minimum of three credits taken over at least two productions)</td>
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Select three credits of the following:

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<tbody>
<tr>
<td>THA 250</td>
<td>Theatre Studies I: Origins to the Middle Ages</td>
<td>3</td>
</tr>
<tr>
<td>THA 251</td>
<td>Theatre Studies II: Renaissance Thru Mid 19th Century</td>
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</tr>
<tr>
<td>THA 290</td>
<td>Stage Management for the Arts</td>
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</tr>
<tr>
<td>THA 350</td>
<td>Theatre Studies III: Realism to the Present</td>
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<tr>
<td>THA 351</td>
<td>World Theatre</td>
<td></td>
</tr>
<tr>
<td>THA 450</td>
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<td></td>
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<tr>
<td>THA 231</td>
<td>Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>THA 232</td>
<td>Costume Crafts</td>
<td>3</td>
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<tr>
<td>THA 240</td>
<td>Rendering for Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THA 360</td>
<td>Theatre Arts Practicum (minimum of three credits</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>taken over at least two productions)</td>
<td></td>
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</table>

Select six credits of the following: 6

- THA 130 Multicultural U.S. Plays: Acting the Text
- THA 201 Dramatic Literature and Theatre Arts
- THA 241 Stage Makeup
- THA 250 Theatre Studies I: Origins to the Middle Ages
- THA 251 Theatre Studies II: Renaissance Thru Mid 19th Century
- THA 330 Scene Painting
- THA 331 Theatre Technology
- THA 340 Scenery Design
- THA 341 Lighting Design
- THA 342 Sound Design and Engineering
- THA 350 Theatre Studies III: Realism to the Present
- THA 351 World Theatre
- THA 390 Advanced Stage Management
- THA 420 Directing
- THA 421 Performance Studio
- THA 440 Costume Design/History
- THA 450 Internship in Theatre Arts
- THA 470 Symposium in Theatre Arts
- THA 481 Independent Study
- THA 482 Special Topics Theatre Arts

**Total Credits** 21

---

**Theatre Arts Minor: General Emphasis**

(All colleges, excluding teacher certification programs)

21 credits

- THA 210 Foundations of Theatrical Production 3
- THA 220 Acting I: Fundamentals 3
- THA 360 Theatre Arts Practicum (minimum of three credits taken over at least two productions) 3

Select six credits of the following: 6

- THA 250 Theatre Studies I: Origins to the Middle Ages
- THA 251 Theatre Studies II: Renaissance Thru Mid 19th Century
- THA 350 Theatre Studies III: Realism to the Present
- THA 351 World Theatre

Select six credits of the following: 6

- THA 130 Multicultural U.S. Plays: Acting the Text
- THA 201 Dramatic Literature and Theatre Arts
- THA 221 Movement for the Stage
- THA 222 Voice and Diction for the Stage
- THA 231 Stagecraft
- THA 232 Costume Crafts
- THA 241 Stage Makeup
- THA 290 Stage Management for the Arts

THA 320 Acting II: Characterization
THA 321 Acting III: Styles
THA 330 Scene Painting
THA 331 Theatre Technology
THA 340 Scenery Design
THA 341 Lighting Design
THA 342 Sound Design and Engineering
THA 420 Directing
THA 421 Performance Studio
THA 422 Acting IV: Audition Techniques
THA 440 Costume Design/History
THA 450 Internship in Theatre Arts
THA 470 Symposium in Theatre Arts
THA 471 Playwriting
THA 472 Theatre Management
THA 481 Independent Study
THA 482 Special Topics Theatre Arts

**Total Credits** 21

---

**Theatre Arts Minor: Music Theatre Emphasis**

(All colleges, excluding teacher certification programs)

Students must be accepted into the theatre minor: music theatre emphasis (by audition) before declaring it as a minor. Students enrolling in this minor must also declare a music major: music theatre emphasis.

22 credits

- THA 220 Acting I: Fundamentals 3
- THA 221 Movement for the Stage 3
- THA 222 Voice and Diction for the Stage 3
- THA/MUS 304 History of Music Theatre 3
- THA 324 Cabaret Performance Workshop 3
- THA 360 Theatre Arts Practicum (minimum of three credits taken over at least two productions) 3

**Dance requirement:**

- ESS 100 Physical Activities (Four credits total. Music theatre and tap are required. Remaining two credits may be chosen from ballet, jazz or modern.) 4

**Total Credits** 22

---

**Theatre Arts Minor: Performance Emphasis**

(All colleges, excluding teacher certification programs)

24 credits

- THA 210 Foundations of Theatrical Production 3
- THA 220 Acting I: Fundamentals 3
- THA 221 Movement for the Stage 3
- THA 222 Voice and Diction for the Stage 3
- THA 320 Acting II: Characterization 3
- THA 321 Acting III: Styles 3
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>THA 360</td>
<td>Theatre Arts Practicum (minimum of three credits taken over at least two productions)</td>
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Select three credits of the following: 3

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<tr>
<td>THA 350</td>
<td>Theatre Studies III: Realism to the Present</td>
</tr>
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<td>THA 351</td>
<td>World Theatre</td>
</tr>
<tr>
<td>THA 390</td>
<td>Advanced Stage Management</td>
</tr>
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<td>THA 420</td>
<td>Directing</td>
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<td>THA 421</td>
<td>Performance Studio</td>
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<tr>
<td>THA 422</td>
<td>Acting IV: Audition Techniques</td>
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<td>Internship in Theatre Arts</td>
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<td>THA 470</td>
<td>Symposium in Theatre Arts</td>
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<td>Playwriting</td>
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<td>Independent Study</td>
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<td>THA 482</td>
<td>Special Topics Theatre Arts</td>
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</table>

Total Credits 24

**Theatre Arts Minor: Stage Management Emphasis**

(All colleges, excluding teacher certification programs)

23 credits

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<tr>
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<tbody>
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<td>Foundations of Theatrical Production</td>
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</tr>
<tr>
<td>THA 220</td>
<td>Acting I: Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>THA 231</td>
<td>Stagecraft</td>
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<tr>
<td>THA 290</td>
<td>Stage Management for the Arts</td>
<td>3</td>
</tr>
<tr>
<td>THA 390</td>
<td>Advanced Stage Management</td>
<td>2</td>
</tr>
<tr>
<td>THA 360</td>
<td>Theatre Arts Practicum (minimum of three credits taken over at least two productions)</td>
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<tr>
<td>THA 232</td>
<td>Costume Crafts</td>
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<tr>
<td>THA 250</td>
<td>Theatre Studies I: Origins to the Middle Ages</td>
</tr>
<tr>
<td>THA 251</td>
<td>Theatre Studies II: Renaissance Thru Mid 19th Century</td>
</tr>
<tr>
<td>THA 331</td>
<td>Theatre Technology</td>
</tr>
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<td>THA 340</td>
<td>Scenery Design</td>
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<tr>
<td>THA 341</td>
<td>Lighting Design</td>
</tr>
<tr>
<td>THA 342</td>
<td>Sound Design and Engineering</td>
</tr>
<tr>
<td>THA 350</td>
<td>Theatre Studies III: Realism to the Present</td>
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<td>THA 351</td>
<td>World Theatre</td>
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<td>THA 421</td>
<td>Performance Studio</td>
</tr>
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<td>THA 472</td>
<td>Theatre Management</td>
</tr>
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</table>

Total Credits 23
College of Science and Health (SAH)

Dean – Bruce Riley
Associate Dean - Raymond Abhold
105 Graff Main Hall; 608.785.8218

Assistants to the Dean - Carla Burkhardt, Guy Herling
205 Graff Main Hall; 608.785.8156
www.uwlax.edu/sah
science@uwlax.edu

The College of Science and Health houses high quality major and minor programs in the natural and physical sciences, mathematics and computer science, exercise science, recreation, and in selected allied health professions. The college’s combination of programs provides both applications for the sciences and a strong science base for the allied health offerings. These programs also collectively provide many scientific literacy offerings within the university’s general education program. All major programs offer undergraduate research experiences and/or professional internship experiences through collaborative agreements with external agencies.

Sequences and requirements are listed on the various department pages, with major or minor requirements listed on those specific tabs in the department’s section. In addition to the major and general education requirements, all students in the College of Science and Health must complete a core curriculum, which emphasizes diverse in-depth study outside of the major.

Departments/units (p. 286) Majors and minors (p. 286) SAH core requirements (p. 287)

Pre-professional tracks (p. 287)

Department/units

• Biology
• Chemistry and Biochemistry
• Computer Science
• Exercise and Sport Science
• Geography/Earth Science
• Health Education and Health Promotion
• Health Professions
  • Nuclear Medicine Technology
  • Occupational Therapy (graduate only)
  • Physical Therapy (graduate only)
  • Physician Assistant Studies (graduate only)
  • Radiation Therapy
• Mathematics
• Microbiology
  • Clinical Laboratory Science
• Physics
• Recreation Management and Therapeutic Recreation

Degrees offered

• Bachelor of Arts
• Bachelor of Science
• Master of Public Health (see graduate catalog)
• Master of Science (see graduate catalog)
• Master of Software Engineering (see graduate catalog)
• Doctor of Physical Therapy (see graduate catalog)

Majors and minors

B.A. = Bachelor of Arts B.S. = Bachelor of Science m = minor

• Adapted Physical Education (m)
• Athletic Training (B.S.)
• Biochemistry (B.S.)
• Biology (B.A., B.S., m)
  • Aquatic Science Concentration (B.A., B.S.)
  • Biomedical Science Concentration (B.A., B.S.)
  • Cellular and Molecular Concentration (B.A., B.S.)
  • Environmental Science Concentration (B.A., B.S.)
• Biology Education (B.S., m)
• Chemistry with American Chemical Society (ACS) Certification (B.A., B.S.)
  • Business Concentration (B.A., B.S.)
  • Chemistry (m)
  • Environmental Science Concentration (B.A., B.S.)
• Chemistry Education (B.S., m)
• Clinical Laboratory Science (B.S.)
• Community Health Education (B.S.)
• Computational Science (m)
• Computer Science (B.S., m)
• Computer Science Education (B.S., m)
• Earth Science (m)
• Exercise and Sport Science
  • Exercise Science Emphasis
    • Fitness Track (B.S.)
    • Pre-Professional Track (B.S.)
  • Physical Education Emphasis (B.S.)
  • Sport Management Emphasis (B.S.)
• General Science Education - Broad Field (second major only)
• Geography (B.A., B.S., m)
  • Environmental Science Concentration (B.A., B.S.)
  • Geographic Information Science Concentration (B.A., B.S., m)
• Geoarchaeology (m)
• Geography Education (B.S., m)
• Inclusive Recreation (m)
• Mathematics (B.A., B.S., m)
  • Applied Emphasis (B.A., B.S.)
  • Education Emphasis (B.A., B.S., m)
• Mathematics Education (B.S., m)
• Microbiology (B.A., B.S., m)
  • Biomedical Concentration (B.A., B.S.)
  • Business Concentration (B.A., B.S.)
  • Environmental Concentration (B.A., B.S.)
• Nuclear Medicine Technology (B.S.)
SAH Bachelor of Science core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

For the Bachelor of Science degree, students must complete a major from the college plus:

- a minor (or a second major) from any college or
- 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

Students participating in the following programs are exempt from the college core requirements:

- Athletic Training
- Biology Education
- Chemistry with a Business Concentration
- Chemistry with a Environmental Science Concentration
- Chemistry Education
- Clinical Laboratory Science
- Community Health Education
- Computer Science Major: Computer Engineering Technology Emphasis
- Computer Science Education
- Exercise and Sport Science – Exercise Science Fitness Track
- Exercise and Sport Science – Physical Education Teaching
- Exercise and Sport Science – Sport Management
- Health and Wellness Management
- Mathematics Education
- Nuclear Medicine Technology
- Physics Education
- Radiation Therapy
- Recreation Management
- School Health Education
- Therapeutic Recreation

Pre-professional curricula

Students are provided the opportunity to complete requirements in a variety of pre-professional fields on the campus prior to applying to other colleges and universities for admission to their professional programs. Pre-professional program requirements vary widely; some require a degree while others do not. Students are expected to be aware of the requirements of the school to which they plan to apply; therefore, they need to select their course work carefully. Pre-professional advisers on the campus can be of assistance to students in designing a curriculum in such programs. Contact pre-professional advisers (http://www.uwlax.edu/sah/preprofessional) or inquire at the College of Science and Health Academic Services Office, 205 Graff Main Hall for more information. A
Pre-professional program is NOT a declared major and are referred to as "tracks" in the WINGS student information center.

Pre-chiropractic track

Pre-chiropractic students enroll at UW-L for at least three years (90 credits) before being admitted to professional chiropractic schools; however, most chiropractic colleges strongly recommend a bachelor’s degree. Students should sample liberally from the general education curriculum (English, communication, psychology, other humanities and social sciences). Minimal science requirements are 24 credits (biology, chemistry, physics). Some chiropractic universities require more than 24 credits of science coursework. Explore the pre-chiropractic site (http://www.uwlax.edu/sah/html/pre-chiropractic.htm) for more information.

Pre-dentistry track

The usual pre-professional education requirements for admission to dental school stipulate two academic years of liberal arts study; however, many of the dental schools in the United States require three years of college education, and most prefer baccalaureate degree candidates. Dental school requirements in pre-professional curricula vary but a first year basically includes:

BIO 105 General Biology 4
Select one of the following: 4-8
- BIO 303 Vertebrate Form and Function
- BIO 312 Human Anatomy and Physiology I
  & BIO 313 and Human Anatomy and Physiology II
CHM 103 General Chemistry I 10
  & CHM 104 and General Chemistry II
ENG 110 College Writing I 3
  or ENG 112 College Writing AP (Advanced Placement)
Select one of the following: 8
- PHY 103 Fundamental Physics I
  & PHY 104 and Fundamental Physics II
- PHY 203 General Physics I
  & PHY 204 and General Physics II
A course in mathematics

The pre-dentistry adviser should be consulted as to full curriculum requirements. Admission to dental school is based on grade point average, interviews, aptitude tests, and letters of recommendation. An aptitude test is taken in the year preceding application to dental school.

Pre-engineering track

Most of the basic mathematics, chemistry and physics courses that the prospective engineer needs in the first two years of an engineering curriculum can be taken at UW-L, and a wide choice of electives is also available. In the first two years, every pre-engineer should complete three semesters of calculus, two semesters of chemistry, and two semesters of physics. Since requirements vary with the engineering school and the particular major, students should see the pre-engineering adviser in the chemistry, computer science, mathematics, or physics department as early as possible. The adviser can furnish information about specific majors within engineering schools. Engineering curricula require four or more years of study; therefore, students spending the first two years at UW-L will need to spend two or more years at an engineering school to complete degree requirements.

Pre-medicine track

Minimal academic requirements to qualify for admission to medical school include a number of courses as part of, or in addition to, a regular academic major leading to a baccalaureate degree. Pre-medicine requirements include at least eight semester hours in biology (general and advanced biology courses); 16 semester hours of chemistry including one year of general and eight semester hours of organic; two semesters of mathematics through pre-calculus and statistics; eight semester hours of physics; and six semester hours of English. Academic preparation in all of these areas is available at UW-L.

Although the majority of pre-medical students major in chemistry, biology, or microbiology, the student may major in any field of interest as long as the minimal requirements are satisfied.

Admission to medical school is highly competitive, and admission decisions are based on factors such as overall grade point average, grade point average in the required science courses, performance on the national Medical College Admission Test (MCAT), usually taken in the spring of the junior year, non-academic credentials (activities and work experiences), letters of evaluation from faculty, and a personal interview. Check out the pre-med program at UW-L (http://www.uwlax.edu/sah/pemed) for more information.

Pre-occupational therapy track

Occupational therapists are health professionals who work with individuals to maximize performance in their everyday life tasks when impacted by injury, disease, or other health risk. Occupational therapists are part of a healthcare team that may also include physicians, physician assistants, physical therapists, speech pathologists, and recreational therapists. "Occupation" refers to those everyday meaningful tasks that individuals do each day. The goal of occupational therapy is to help individuals successfully engage in purposeful tasks that comprise daily life.

Undergraduate students interested in occupational therapy must declare an undergraduate major. In addition to declaring an undergraduate major, students may select pre-professional occupational therapy as a secondary area of interest. A dual degree agreement is available for psychology majors in which students receive both a bachelor of science and a master’s of science in occupational therapy degrees from UW-La Crosse. The total length of time for both degrees is approximately five
and one-half years. It is important that students selecting this option work with their major adviser early and declare their intent officially.

General admission requirements (http://www.uwlax.edu/ot/admissions.htm) for the UW-La Crosse Occupational Therapy graduate program include:

- An undergraduate degree or completion of an undergraduate degree prior to starting the program (except for declared dual degree students)
- Completion of all prerequisite course work including

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>BIO 312</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BIO 313</td>
<td>Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>PHY 125</td>
<td>Physics for the Life Sciences</td>
<td>4</td>
</tr>
<tr>
<td>PSY 212</td>
<td>Lifespan Development</td>
<td>3</td>
</tr>
<tr>
<td>PSY 204</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>MTH 145</td>
<td>Elementary Statistics</td>
<td>4</td>
</tr>
<tr>
<td>Sociology or anthropology course</td>
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<td>3</td>
</tr>
</tbody>
</table>

- Minimum grade attainment of at least a 3.00 cumulative GPA
- No more than two prerequisite courses with a grade of "C"
- No prerequisite course work with a grade below "C"

The occupational therapy program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, P.O. Box 31220, Bethesda, MD 20824-1220. ACOTE’s telephone number c/o AOTA is 301.652.AOTA. The program is 30 months long and includes six months of full-time Level II fieldwork. Students must complete Level II fieldwork within 24 months of the completion of the didactic portion of the curriculum in order to graduate. Graduates of the program will be eligible to sit for the national certification examination for occupational therapy administered by the National Board for certification in Occupational Therapy (NBCOT). After successful completion of this exam, the individual will be an Occupational Therapist, Registered (OTR). In addition, most states require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Certification Examination. A felony conviction may affect a graduate’s ability to sit for the NBCOT certification examination or attain state licensure.

**Pre-optometry track**

Students should plan to complete an undergraduate degree in some field (usually biology or chemistry). Typical requirements for admission to an Optometry program include:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
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<tr>
<td>BIO 105</td>
<td>General Biology</td>
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<tr>
<td>&amp; BIO 203</td>
<td>Organismal Biology</td>
<td></td>
</tr>
<tr>
<td>CHM 103</td>
<td>General Chemistry I</td>
<td>10</td>
</tr>
<tr>
<td>&amp; CHM 104</td>
<td>General Chemistry II</td>
<td></td>
</tr>
<tr>
<td>CHM 300</td>
<td>Survey of Organic Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>or CHM 303</td>
<td>Organic Chemistry Theory I</td>
<td></td>
</tr>
<tr>
<td>&amp; CHM 304</td>
<td>and Organic Chemistry Theory II</td>
<td></td>
</tr>
<tr>
<td>&amp; CHM 305</td>
<td>and Organic Chemistry Laboratory</td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>PHY 103</td>
<td>Fundamental Physics I</td>
<td></td>
</tr>
<tr>
<td>&amp; PHY 104</td>
<td>and Fundamental Physics II</td>
<td></td>
</tr>
<tr>
<td>PHY 203</td>
<td>General Physics I</td>
<td>5</td>
</tr>
<tr>
<td>&amp; PHY 204</td>
<td>and General Physics II</td>
<td></td>
</tr>
<tr>
<td>MTH 207</td>
<td>Calculus I</td>
<td>5</td>
</tr>
</tbody>
</table>

Additional courses in English, Psychology and Sociology, along with additional electives in biology are usually also required. Consult the adviser for complete undergraduate curriculum requirements. The Optometry Admission Test (OAT) must be taken before or during the semester in which students apply for admission to a school of optometry.

**Pre-osteopathic medicine track**

The statement in the section on pre-medicine applies equally to pre-osteopathic medicine. Medical school and osteopathic curricula are nearly identical, and the practice of medicine by graduates of either type of school is essentially identical. Osteopathy is best considered an alternative within medicine rather than an alternative to medicine.

**Pre-pharmacy track**

Most pharmacy programs offer the "Doctor of Pharmacy" degree. The programs involve a pre-pharmacy curriculum of about 70 credits that can be taken at UW-L. The professional program that is taken at a College of Pharmacy is an additional four years. The pre-pharmacy curriculum is set by the individual colleges of pharmacy but generally consists of:

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
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<tbody>
<tr>
<td>BIO 105</td>
<td>General Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 312</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BIO 313</td>
<td>Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>BIO 306</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>or BIO 315</td>
<td>Cell Biology</td>
<td></td>
</tr>
<tr>
<td>CHM 103</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHM 104</td>
<td>General Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>CHM 303</td>
<td>Organic Chemistry Theory I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 304</td>
<td>Organic Chemistry Theory II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 305</td>
<td>Organic Chemistry Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>PHY 103</td>
<td>Fundamental Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHY 104</td>
<td>Fundamental Physics II</td>
<td>4</td>
</tr>
<tr>
<td>MTH 145</td>
<td>Elementary Statistics</td>
<td>4</td>
</tr>
<tr>
<td>MTH 207</td>
<td>Calculus I</td>
<td>5</td>
</tr>
</tbody>
</table>

Plus non-math, non-science general education courses

It is very important to work with the pre-pharmacy adviser as program requirements change frequently.

**Pre-physical therapy track**

Undergraduate students interested in physical therapy must declare an undergraduate major. Typical majors include biology, exercise & sport science, psychology, and physics but other majors are equally appropriate and feasible with appropriate planning. In addition to declaring an undergraduate major, students may select pre-professional physical therapy as a secondary area of interest. Dual degree agreements are available for biology majors and physics majors in which students receive both a bachelor of science and a graduate physical therapy degree from UW-La Crosse. The total length of time for both degrees is approximately five and three-quarter years. It is important that students selecting this option work with their major adviser early and declare their intent officially.

General admission requirements (http://www.uwlax.edu/pt/admissions.htm), including specific application instructions and deadlines, for the UW-La Crosse physical therapy graduate program include:

- an undergraduate degree or completion of an undergraduate degree prior to starting the program (except for declared dual degree students)
• completion of all prerequisite course work including BIO 105 General Biology 4
BIO 312 Human Anatomy and Physiology I 4
BIO 313 Human Anatomy and Physiology II 4
CHM 103 General Chemistry I 5
CHM 104 General Chemistry II 5
PHY 103 Fundamental Physics I 4
or PHY 203 General Physics I
PHY 104 Fundamental Physics II 4
or PHY 204 General Physics II
Any psychology course
Any sociology course
MTH 145 Elementary Statistics 4
• attainment of at least a 3.00 cumulative GPA
• completion of required volunteer experiences with letters of recommendation
• completion and submission of Graduate Records Examination (GRE) scores

The program typically conducts early and general admissions screening of completed applications. The UW-L PT Program participates in the Physical Therapy Centralized Application Service (PTCAS).

Pre-physician assistant studies track
Physician assistants (PAs) practice medicine with physician supervision. To become a PA, students must be admitted to an accredited PA education program. Like many PA programs across the country, the UW-L – Gundersen – Mayo Physician Assistant Program (http://www.uwlax.edu/pastudies) is a graduate program. Thus, undergraduate students interested in the UW-L program must declare a primary undergraduate major in another field in order to complete a baccalaureate degree. Pre-physician assistant studies then may be selected as a track and an appropriate academic advisor will be assigned.

Prerequisite requirements are quite variable among the appropriate 140 PA programs across the country. For the UW-L graduate PA program, at a minimum the following prerequisite requirements apply:

Biology: At least 14 semester hours of biology including at least two lab courses:
BIO 312 Human Anatomy and Physiology I 4
BIO 313 Human Anatomy and Physiology II 4
MIC 230 Fundamentals of Microbiology 4
Select one of the following: 2-4
  BIO 306 Genetics
  BIO 406 Parasitology
  BIO 408 Developmental Biology
  BIO 413 Medical Mycology
  BIO 424 Human Endocrinology
  BIO 432 Biology of Cancer
  BIO 443 Molecular Mechanism of Disease and Drug Action
  BIO 465 Neurophysiology
  BIO 466 Human Molecular Genetics
  MIC 310 Immunology
  MIC 410 Immunology Laboratory

Chemistry: A minimum of 11 semester hours of chemistry including at least two of these courses which must include laboratory:
CHM 103 General Chemistry I 5
or CHM 104 General Chemistry II
Select one of the following: 5-6
  CHM 300 Survey of Organic Chemistry
  CHM 303 & CHM 304 Organic Chemistry Theory I and Organic Chemistry Theory II
Select one of the following: 3-4
  CHM 325 Fundamental Biochemistry
  CHM 417 & CHM 418 Biochemistry I: Macromolecules and Biochemistry II
  BIO 315 Cell Biology
  BIO 435 Molecular Biology

Mathematics: A minimum of two semesters including:
MTH 151 Precalculus 4
or MTH 207 Calculus I
MTH 145 Elementary Statistics 4
or MTH 405 Statistical Methods

Psychology:
Select one of the following: 3
  PSY 100 General Psychology
  PSY 204 Abnormal Psychology
  PSY 210 Developmental Psychology
  PSY 212 Lifespan Development
  PSY 356 The School-aged Child
  PSY 357 Adolescence
  PSY 358 Adulthood

Academic Aptitude: A minimum cumulative GPA on all post-high school courses of 3.00. A minimum science GPA of 3.00. Submission of Graduate Record Exam (GRE) scores is required.

Health Care Experience: Prior direct patient care health experience is expected. Such experience provides evidence of a career commitment to healthcare as a PA.

Application to the UW-L – Gundersen – Mayo PA program should be made during the summer prior to the expected year of graduation. Pre-PA students should consider making application to several PA programs and carefully review the specific requirements of the programs in which they are interested. Many programs, including the UW-L – Gundersen – Mayo PA program, utilize the Centralized Application Service for Physician Assistants (CASPA) and require a program specific supplemental application.

Pre-podiatry track
A podiatrist is a medical specialist who has unlimited licensure to practice on the ankle and foot. Requirements for admission to a school of podiatric medicine are the same as those listed in the pre-medicine section.

Pre-veterinary track
The University of Wisconsin-La Crosse offers courses that satisfy the requirements for admission to any school of veterinary medicine. Requirements generally include courses in biology, microbiology,
chemistry, physics, English composition, mathematics, social sciences, and humanities. Several majors at UW-L (particularly biology, microbiology and chemistry) provide an excellent basis for meeting course requirements while pursuing a bachelor’s degree. Applicants are also required to take the Graduate Record Exam (GRE) and have documented animal work experience. Check veterinary schools’ websites for the most current information. The pre-vet adviser acts as a resource for pre-vet students (http://www.uwlax.edu/microbiology/prevet.htm).

Biology (BIO)

College of Science and Health
Department Chair: Mark Sandheinrich
3005 Cowley Hall; 608.785.8238
Email: msandheinrich@uwlax.edu (dhoward@uwla.x.edu)

www.uwlax.edu/biology

Awarded the University of Wisconsin System Board of Regents Teaching Excellence Award for the best UW System department in 2013, the Department of Biology supports undergraduate and graduate programs in biological sciences. Undergraduate students pursuing a major in biology complete foundation course work that includes courses in introductory biology, organismal biology, cell biology, genetics, and ecology. Because biologists must understand chemistry, biology majors complete at least three semesters of chemistry, including organic chemistry. Each student may plan his/her own electives and specialize in one of several subdisciplines within biology or specialize in field studies or laboratory studies. Some elective courses require off-campus trips to field stations in northern Wisconsin. Other courses make use of several unique ecological habitats close to campus. The Mississippi River and the La Crosse River Marsh are within blocks of the campus and are also used for outdoor laboratory studies. In addition, modern laboratory facilities and use of high tech research equipment prepare students for careers in the emerging fields of biotechnology.

Students develop a curriculum around specific career goals. Each student meets individually with their faculty adviser each semester. The diversity of the faculty in the department provides a wide array of both classroom and non-classroom opportunities for student learning.

Undergraduate research is an important part of the biology program and provides excellent opportunities for students to receive both individualized and unique learning experiences. Graduates of the programs in biology have traditionally been very competitive in the job markets and for entrance into graduate and other professional programs. In the last four years, 65% of biology majors have gone onto graduate or professional school, and 98% of the remaining students were employed within a year of graduation.

The Department of Biology has established a number of partnerships with local, state, and regional environmental and aquatic science research centers, biotechnology firms, and allied health care institutions. These partnerships provide undergraduate students with the opportunity to interact with practicing scientists in a wide variety of professions including medical sciences, river studies, aquatic toxicology, fisheries biology, watershed studies, food science, and seed genetics to name a few. These opportunities are in the form of internships, job shadowing, and undergraduate research, some of which are university funded. Many of these experiences result in summer jobs and part-time employment for students.

General education writing emphasis

This department incorporates a significant amount of writing through the required courses instead of identifying particular courses as writing emphasis courses. Students who complete a major in this department will fulfill the general education writing emphasis requirement (p. 50).

Our people

Professor
Raymond Abhold
A. Glenn Brice
Scott Cooper
Daniel Gerber
Rick Gillis
Roger Haro
David Howard
Margaret Maher
Jennifer Miskowskki
Mark Sandheinrich
Robin Tyser
Thomas Volk

Associate Professor
Michael Abler
Anne Galbraith
Sumei Liu
Kathryn Perez
Gregory Sandland
Bradley Seebach
Eric Strauss
Meredith Thomsen

Assistant Professor
Anita Baines
Sierra Colavito
Gretchen Gerrish
Tisha King-Heiden
Barrett Klein
Jennifer Klein
Megan Litster
Todd Osmundson
Biology Major - Bachelor of Arts (BA)

Major requirements

(All colleges, excluding teacher certification programs)

39 credits (58 total credits including CHM and MTH requirements)

Each student must have a minimum of three 400 level BIO credits (excluding BIO 450, 479, 489, 491, 495, and 499) to fulfill requirements of the major.

Select one upper level (300/400) lab component  

BIO 302 Introductory Plant Identification 4
BIO 303 Vertebrate Form and Function 1
BIO 312 Human Anatomy and Physiology I 1
BIO 313 Human Anatomy and Physiology II 1
BIO 321 Ornithology
BIO 333 Radiation Biology
BIO 341 Limnology
BIO 404 Plant Taxonomy
BIO 405 Aquatic and Wetland Vascular Plants
BIO 406 Parasitology
BIO 408 Developmental Biology
BIO 410 Human Cadaver Dissection
BIO 412 Mycology
BIO 413 Medical Mycology
BIO 414 Freshwater Invertebrate Zoology
BIO 419 Quantitative Methods in Ecology
BIO 422 Ichthyology
BIO 436 Molecular Biology Laboratory
BIO 439 Plant Anatomy
BIO/MIC 440 Bioinformatics
BIO/MIC 442 Plant Microbe Interactions
BIO 447 Standard Methods/Quality Assurance Water Analyses
BIO 448 Aquatic Toxicology
BIO 456 Plant Ecology
BIO 463 Aquatic Animal Health
BIO 467 Neurobiology Laboratory Techniques
BIO 468 Human Molecular Genetics Lab
MIC 421 Virology Laboratory

Select 16-18 credits of electives from the following:  

BIO 202 Introduction to Biological Data Analysis and Interpretation
BIO 210 Animal Biology
BIO 302 Introductory Plant Identification

Minors

- Biology minor (p. 310)
- Biology education minor (p. 310)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>BIO 303</td>
<td>Vertebrate Form and Function</td>
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<tr>
<td>BIO 312</td>
<td>Human Anatomy and Physiology I</td>
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<tr>
<td>BIO 313</td>
<td>Human Anatomy and Physiology II</td>
</tr>
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<td>BIO 321</td>
<td>Ornithology</td>
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<td>BIO 330</td>
<td>Economic Botany</td>
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<td>BIO 333</td>
<td>Radiation Biology</td>
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<td>BIO 337</td>
<td>Plant Physiology</td>
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<td>BIO 341</td>
<td>Limnology</td>
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<td>BIO 404</td>
<td>Plant Taxonomy</td>
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<td>BIO 405</td>
<td>Aquatic and Wetland Vascular Plants</td>
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<td>BIO 406</td>
<td>Parasitology</td>
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<td>BIO 408</td>
<td>Developmental Biology</td>
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<td>BIO 410</td>
<td>Human Cadaver Dissection</td>
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<td>Mycology</td>
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<td>Medical Mycology</td>
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<td>BIO 414</td>
<td>Freshwater Invertebrate Zoology</td>
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<td>Quantitative Methods in Ecology</td>
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<td>Ichthyology</td>
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<td>BIO 424</td>
<td>Human Endocrinology</td>
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<td>BIO 428</td>
<td>Advanced Nutrition for the Health Professions</td>
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<td>BIO 429</td>
<td>Evolution</td>
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<td>BIO 432</td>
<td>Biology of Cancer</td>
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<td>BIO 435</td>
<td>Molecular Biology</td>
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<td>BIO 436</td>
<td>Molecular Biology Laboratory</td>
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<td>BIO 437</td>
<td>Plant Growth and Development</td>
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<td>BIO 439</td>
<td>Plant Anatomy</td>
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<td>BIO 440</td>
<td>Bioinformatics</td>
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<td>Environmental Toxicology</td>
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<td>BIO 442</td>
<td>Plant Microbe Interactions</td>
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<td>BIO 443</td>
<td>Molecular Mechanism of Disease and Drug Action</td>
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<td>BIO 447</td>
<td>Standard Methods/Quality Assurance Water Analyses</td>
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<td>BIO 448</td>
<td>Aquatic Toxicology</td>
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<tr>
<td>BIO 449</td>
<td>Advanced Microscopy and Biological Imaging</td>
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<td>BIO 456</td>
<td>Plant Ecology</td>
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<td>BIO 458</td>
<td>Comparative Animal Physiology</td>
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<td>BIO 463</td>
<td>Aquatic Animal Health</td>
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<td>BIO 464</td>
<td>Stream and Watershed Ecology</td>
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<td>BIO 465</td>
<td>Neurophysiology</td>
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<td>BIO 466</td>
<td>Human Molecular Genetics</td>
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<td>BIO 467</td>
<td>Neurobiology Laboratory Techniques</td>
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<td>BIO 468</td>
<td>Human Molecular Genetics Lab</td>
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<td>Marine Biology</td>
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<td>Ecosystem Ecology</td>
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<td>MIC 230</td>
<td>Fundamentals of Microbiology</td>
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<td>MIC 310</td>
<td>Immunology</td>
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<td>MIC 350</td>
<td>Bacterial Diversity</td>
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<td>MIC 380</td>
<td>Food Microbiology</td>
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<td>Immunology Laboratory</td>
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<td>MIC 420</td>
<td>Introductory Virology</td>
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<td>MIC 421</td>
<td>Virology Laboratory</td>
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<td>MIC 427</td>
<td>Industrial and Fermentation Microbiology</td>
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<td>Fermentation Microbiology Laboratory</td>
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<td>MIC 434</td>
<td>Aquatic Microbial Ecology</td>
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Select three semesters of chemistry, including:  
15-18

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<th>Course Title</th>
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<tbody>
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<tr>
<td>CHM 104</td>
<td>General Chemistry II</td>
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And one of the following organic chemistry options:

Option 1:

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<tbody>
<tr>
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Option 2:

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<th>Course Title</th>
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<tbody>
<tr>
<td>CHM 303</td>
<td>Organic Chemistry Theory I</td>
</tr>
<tr>
<td>&amp; CHM 304</td>
<td>and Organic Chemistry Theory II</td>
</tr>
<tr>
<td>&amp; CHM 305</td>
<td>and Organic Chemistry Laboratory</td>
</tr>
</tbody>
</table>

Math requirement

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 145</td>
<td>Elementary Statistics</td>
</tr>
</tbody>
</table>

Total Credits 58-61

1  A maximum of eight credits of BIO 303, BIO 312, BIO 313 can be applied to the major.

2  Up to two credits of BIO 499 may be used as electives.

**Degree requirements**

All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 293)
- Baccalaureate degree requirements (p. 293)

**SAH Bachelor of Arts core requirements**

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

**Note:** Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

**For the Bachelor of Arts degree,** students must complete a major from the college and proficiency in a foreign language at the 202 level or an ESL proficiency score of 80 or above on the La Crosse Battery of exams for non-native speakers of English. Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations. Students must also complete:

- a minor in the College of Liberal Studies or
- 15 credits at the 300/400 level in the College of Liberal Studies. Internship credits generally do not count toward this college core option.

**Baccalaureate degrees**

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:
1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Biology Major - Bachelor of Science (BS)

Major requirements
(All colleges, excluding teacher certification programs)
39 credits (58 total credits including CHM and MTH requirements)

Each student must have a minimum of three 400 level BIO credits (excluding BIO 450, 479, 491, 495, and 499) to fulfill requirements of the major.

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
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No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Biology Major - Bachelor of Science (BS)

Major requirements
(All colleges, excluding teacher certification programs)
39 credits (58 total credits including CHM and MTH requirements)

Each student must have a minimum of three 400 level BIO credits (excluding BIO 450, 479, 491, 495, and 499) to fulfill requirements of the major.

BIO 103 Introductory Biology 4
or BIO 105 General Biology
BIO 203 Organismal Biology 4
BIO 306 Genetics 4
BIO 307 Ecology 3
BIO 315 Cell Biology 4
BIO 491 Capstone Seminar in Biology 1

Select one upper level (300/400) lab component 1-4

BIO 302 Introductory Plant Identification
BIO 303 Vertebrate Form and Function 1
BIO 312 Human Anatomy and Physiology I 1
BIO 313 Human Anatomy and Physiology II 1
BIO 321 Ornithology
BIO 333 Radiation Biology
BIO 341 Limnology
BIO 404 Plant Taxonomy
BIO 405 Aquatic and Wetland Vascular Plants
BIO 406 Parasitology
BIO 408 Developmental Biology
BIO 410 Human Cadaver Dissection
BIO 412 Mycology
BIO 413 Medical Mycology
BIO 414 Freshwater Invertebrate Zoology
BIO 419 Quantitative Methods in Ecology
BIO 422 Ichthyology
BIO 436 Molecular Biology Laboratory
BIO 439 Plant Anatomy
BIO/MIC 440 Bioinformatics
BIO/MIC 442 Plant Microbe Interactions
BIO 447 Standard Methods/Quality Assurance Water Analyses
BIO 448 Aquatic Toxicology
BIO 456 Plant Ecology
BIO 463 Aquatic Animal Health
BIO 467 Neurobiology Laboratory Techniques
BIO 468 Human Molecular Genetics Lab
MIC 421 Virology Laboratory

Select 16-18 credits of electives from the following: 2 16-18

BIO 202 Introduction to Biological Data Analysis and Interpretation
BIO 210 Animal Biology
BIO 302 Introductory Plant Identification
BIO 303 Vertebrate Form and Function 1
BIO 312 Human Anatomy and Physiology I 1
BIO 313 Human Anatomy and Physiology II 1
BIO 321 Ornithology
BIO 330 Economic Botany
BIO 333 Radiation Biology
BIO 337 Plant Physiology
BIO 341 Limnology
BIO 404 Plant Taxonomy
BIO 405 Aquatic and Wetland Vascular Plants
BIO 406 Parasitology
BIO 408 Developmental Biology
BIO 410 Human Cadaver Dissection
BIO 412 Mycology
BIO 413 Medical Mycology
BIO 414 Freshwater Invertebrate Zoology
BIO 419 Quantitative Methods in Ecology
BIO 422 Ichthyology
BIO 424 Human Endocrinology
BIO 428 Advanced Nutrition for the Health Professions
BIO 429 Evolution
BIO 432 Biology of Cancer
BIO 435 Molecular Biology
BIO 436 Molecular Biology Laboratory
BIO 437 Plant Growth and Development
BIO 439 Plant Anatomy
SAH Bachelor of Science core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

For the Bachelor of Science degree, students must complete a major from the college plus:

- a minor (or a second major) from any college or
- 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
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5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
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1. Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 295)
No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

**Biology Major: Aquatic Science Concentration - Bachelor of Arts (BA)**

**Major requirements**

(All colleges, excluding teacher certification programs)

39 credits (67 total credits including CHM and MTH requirements)

**Each** student must have a minimum of three 400 level BIO credits (excluding BIO 450, 479, 491, 495, and 499) to fulfill requirements of the major.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 103</td>
<td>4</td>
<td>Introductory Biology</td>
</tr>
<tr>
<td>or BIO 105</td>
<td>4</td>
<td>General Biology</td>
</tr>
<tr>
<td>BIO 203</td>
<td>4</td>
<td>Organismal Biology</td>
</tr>
<tr>
<td>BIO 306</td>
<td>4</td>
<td>Genetics</td>
</tr>
<tr>
<td>BIO 307</td>
<td>3</td>
<td>Ecology</td>
</tr>
<tr>
<td>BIO 315</td>
<td>4</td>
<td>Cell Biology</td>
</tr>
<tr>
<td>BIO 341</td>
<td>3</td>
<td>Limnology</td>
</tr>
<tr>
<td>BIO 491</td>
<td>1</td>
<td>Capstone Seminar in Biology</td>
</tr>
<tr>
<td>MIC 230</td>
<td>4</td>
<td>Fundamentals of Microbiology</td>
</tr>
</tbody>
</table>

**Elective credits**

Select eight credits of electives from List I. Remaining four credits may come from List I or List II (up to two credits of BIO 499 may count).

**List I electives:**

- BIO 405: Aquatic and Wetland Vascular Plants
- BIO 414: Freshwater Invertebrate Zoology
- BIO 422: Ichthyology
- BIO 447: Standard Methods/Quality Assurance Water Analyses
- BIO 464: Stream and Watershed Ecology
- BIO 473: Marine Biology
- MIC 434: Aquatic Microbial Ecology

**List II electives:**

- BIO 406: Parasitology
- BIO 419: Quantitative Methods in Ecology
- BIO 421: Comparative Vertebrate Endocrinology
- BIO 441: Environmental Toxicology
- BIO 458: Comparative Animal Physiology
- BIO 476: Ecosystem Ecology
- BIO 499: Independent Research (up to two credits)

**Select a minimum of 20 chemistry credits, including:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 103</td>
<td>General Chemistry I</td>
<td></td>
</tr>
<tr>
<td>CHM 104</td>
<td>General Chemistry II</td>
<td></td>
</tr>
<tr>
<td>CHM 301</td>
<td>Analytical Chemistry</td>
<td></td>
</tr>
</tbody>
</table>

And one of the following organic chemistry options:

**Option 1:**

- CHM 300: Survey of Organic Chemistry

**Option 2:**

- CHM 303 & CHM 304: Organic Chemistry Theory I and II
- CHM 305: Organic Chemistry Laboratory

Select a minimum of eight credits of mathematics including the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 145</td>
<td>4</td>
</tr>
<tr>
<td>or MTH 265</td>
<td>4</td>
</tr>
<tr>
<td>or MTH 175</td>
<td>4</td>
</tr>
<tr>
<td>or MTH 207</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Credits: 67**

**Degree requirements**

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 296)
- Baccalaureate degree requirements (p. 296)

**SAH Bachelor of Arts core requirements**

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**Note:** Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

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- a minor in the College of Liberal Studies or
- 15 credits at the 300/400 level in the College of Liberal Studies.

Internship credits generally do not count toward this college core option.

**Baccalaureate degrees**

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
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5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).

6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)

7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

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No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Biology Major: Aquatic Science Concentration - Bachelor of Science (BS)

Major requirements
(All colleges, excluding teacher certification programs)

39 credits (67 total credits including CHM and MTH requirements)

Each student must have a minimum of three 400 level BIO credits (excluding BIO 450, 479, 491, 495, and 499) to fulfill requirements of the major.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 103</td>
<td>4</td>
</tr>
<tr>
<td>or BIO 105</td>
<td></td>
</tr>
<tr>
<td>BIO 203</td>
<td>4</td>
</tr>
<tr>
<td>BIO 306</td>
<td>4</td>
</tr>
<tr>
<td>BIO 307</td>
<td>3</td>
</tr>
<tr>
<td>BIO 315</td>
<td>4</td>
</tr>
<tr>
<td>BIO 341</td>
<td>3</td>
</tr>
<tr>
<td>BIO 491</td>
<td>1</td>
</tr>
<tr>
<td>MIC 230</td>
<td>4</td>
</tr>
</tbody>
</table>

Elective credits
Select eight credits of electives from List I. Remaining four credits may come from List I or List II (up to two credits of BIO 499 may count).

<table>
<thead>
<tr>
<th>List I electives</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 405 Aquatic and Wetland Vascular Plants</td>
<td></td>
</tr>
<tr>
<td>BIO 414 Freshwater Invertebrate Zoology</td>
<td></td>
</tr>
<tr>
<td>BIO 422 Ichthyology</td>
<td></td>
</tr>
<tr>
<td>BIO 447 Standard Methods/Quality Assurance Water Analyses</td>
<td></td>
</tr>
<tr>
<td>BIO 464 Stream and Watershed Ecology</td>
<td></td>
</tr>
</tbody>
</table>

List II electives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 473 Marine Biology</td>
<td></td>
</tr>
<tr>
<td>MIC 434 Aquatic Microbial Ecology</td>
<td></td>
</tr>
</tbody>
</table>

Select a minimum of 20 chemistry credits, including:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 103 General Chemistry I</td>
<td></td>
</tr>
<tr>
<td>CHM 104 General Chemistry II</td>
<td></td>
</tr>
<tr>
<td>CHM 301 Analytical Chemistry</td>
<td></td>
</tr>
</tbody>
</table>

And one of the following organic chemistry options:

<table>
<thead>
<tr>
<th>Option 1:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 300 Survey of Organic Chemistry</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Option 2:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 303 Organic Chemistry Theory I &amp; CHM 304 and Organic Chemistry Theory II &amp; CHM 305 and Organic Chemistry Laboratory</td>
<td></td>
</tr>
</tbody>
</table>

Select a minimum of eight credits of mathematics including the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 145 Elementary Statistics</td>
<td></td>
</tr>
<tr>
<td>or MTH 265 Mathematical Models in Biology</td>
<td></td>
</tr>
<tr>
<td>MTH 175 Applied Calculus</td>
<td></td>
</tr>
<tr>
<td>or MTH 207 Calculus I</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 67

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 297)
- Baccalaureate degree requirements (p. 298)

SAH Bachelor of Science core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

For the Bachelor of Science degree, students must complete a major from the college plus:
• a minor (or a second major) from any college or
• 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

Baccalaureate degrees
Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
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Biology Major: Biomedical Science Concentration - Bachelor of Arts (BA)

Major requirements
(All colleges, excluding teacher certification programs)

39 credits (67 total credits including CHM and MTH requirements)

Each student must have a minimum of three 400 level BIO credits (excluding BIO 450, 479, 489, 491, 495, and 499) to fulfill requirements of the major.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 103</td>
<td>Introductory Biology</td>
<td>4</td>
</tr>
<tr>
<td>or BIO 105</td>
<td>General Biology</td>
<td></td>
</tr>
<tr>
<td>BIO 203</td>
<td>Organismal Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 306</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIO 307</td>
<td>Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 312</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BIO 313</td>
<td>Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>BIO 315</td>
<td>Cell Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 491</td>
<td>Capstone Seminar in Biology</td>
<td>1</td>
</tr>
</tbody>
</table>

Select 11 credits of electives from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 202</td>
<td>Introduction to Biological Data Analysis and Interpretation</td>
</tr>
<tr>
<td>BIO 333</td>
<td>Radiation Biology</td>
</tr>
<tr>
<td>BIO 406</td>
<td>Parasitology</td>
</tr>
<tr>
<td>BIO 408</td>
<td>Developmental Biology</td>
</tr>
<tr>
<td>BIO 410</td>
<td>Human Cadaver Dissection</td>
</tr>
<tr>
<td>BIO 413</td>
<td>Medical Mycology</td>
</tr>
<tr>
<td>BIO 424</td>
<td>Human Endocrinology</td>
</tr>
<tr>
<td>BIO 428</td>
<td>Advanced Nutrition for the Health Professions</td>
</tr>
<tr>
<td>BIO 429</td>
<td>Evolution</td>
</tr>
<tr>
<td>BIO 432</td>
<td>Biology of Cancer</td>
</tr>
<tr>
<td>BIO 435</td>
<td>Molecular Biology</td>
</tr>
<tr>
<td>BIO 436</td>
<td>Molecular Biology Laboratory</td>
</tr>
<tr>
<td>BIO 440</td>
<td>Bioinformatics</td>
</tr>
<tr>
<td>BIO 443</td>
<td>Molecular Mechanism of Disease and Drug Action</td>
</tr>
<tr>
<td>BIO 449</td>
<td>Advanced Microscopy and Biological Imaging</td>
</tr>
<tr>
<td>BIO 463</td>
<td>Aquatic Animal Health</td>
</tr>
<tr>
<td>BIO 465</td>
<td>Neurophysiology</td>
</tr>
<tr>
<td>BIO 466</td>
<td>Human Molecular Genetics</td>
</tr>
<tr>
<td>BIO 467</td>
<td>Neurobiology Laboratory Techniques</td>
</tr>
<tr>
<td>BIO 468</td>
<td>Human Molecular Genetics Lab</td>
</tr>
<tr>
<td>MIC 230</td>
<td>Fundamentals of Microbiology</td>
</tr>
<tr>
<td>MIC 310</td>
<td>Immunology</td>
</tr>
<tr>
<td>MIC 407</td>
<td>Pathogenic Bacteriology</td>
</tr>
<tr>
<td>MIC 410</td>
<td>Immunology Laboratory</td>
</tr>
<tr>
<td>MIC 420</td>
<td>Introductory Virology</td>
</tr>
<tr>
<td>MIC 421</td>
<td>Virology Laboratory</td>
</tr>
<tr>
<td>BIO 450</td>
<td>Internship in Biology</td>
</tr>
<tr>
<td>BIO 479</td>
<td>Biology Teaching Assistant</td>
</tr>
<tr>
<td>BIO 489</td>
<td>Independent Study in Biology</td>
</tr>
<tr>
<td>BIO 495</td>
<td>Service Learning in Biology</td>
</tr>
<tr>
<td>BIO 499</td>
<td>Independent Research</td>
</tr>
</tbody>
</table>

Select a minimum of 24 chemistry credits including:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 103</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>CHM 104</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CHM 301</td>
<td>Analytical Chemistry</td>
</tr>
</tbody>
</table>

Select one of the organic chemistry options:

Option 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 300</td>
<td>Survey of Organic Chemistry</td>
</tr>
</tbody>
</table>

Option 2:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 303 &amp; CHM 304</td>
<td>Organic Chemistry Theory I &amp; Organic Chemistry Theory II</td>
</tr>
<tr>
<td>CHM 305</td>
<td>Organic Chemistry Laboratory</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 325</td>
<td>Fundamental Biochemistry</td>
</tr>
<tr>
<td>CHM 417 &amp; CHM 418</td>
<td>Biochemistry I: Macromolecules and Biochemistry II</td>
</tr>
</tbody>
</table>
must accomplish the following:

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 299)
- Baccalaureate degree requirements (p. 299)

SAH Bachelor of Arts core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

For the Bachelor of Arts degree, students must complete a major from the college and proficiency in a foreign language at the 202 level or an ESL proficiency score of 80 or above on the La Crosse Battery of exams for non-native speakers of English. Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations. Students must also complete:

- a minor in the College of Liberal Studies or
- 15 credits at the 300/400 level in the College of Liberal Studies.

Internship credits generally do not count toward this college core option.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Biology Major: Biomedical Science Concentration - Bachelor of Science (BS)

Major requirements

(All colleges, excluding teacher certification programs)

39 credits (67 total credits including CHM and MTH requirements)

Each student must have a minimum of three 400 level BIO credits (excluding BIO 450, 479, 489, 491, 495, and 499) to fulfill requirements of the major.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 103</td>
<td>Introductory Biology</td>
<td>4</td>
</tr>
<tr>
<td>or BIO 105</td>
<td>General Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 203</td>
<td>Organismal Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 306</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIO 307</td>
<td>Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 312</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BIO 313</td>
<td>Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>BIO 315</td>
<td>Cell Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 491</td>
<td>Capstone Seminar in Biology</td>
<td>1</td>
</tr>
</tbody>
</table>

Select 11 credits of electives from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 202</td>
<td>Introduction to Biological Data Analysis and Interpretation</td>
<td>1</td>
</tr>
<tr>
<td>BIO 333</td>
<td>Radiation Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 406</td>
<td>Parasitology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 408</td>
<td>Developmental Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 410</td>
<td>Human Cadaver Dissection</td>
<td>4</td>
</tr>
<tr>
<td>BIO 413</td>
<td>Medical Mycology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 424</td>
<td>Human Endocrinology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 428</td>
<td>Advanced Nutrition for the Health Professions</td>
<td>4</td>
</tr>
<tr>
<td>BIO 429</td>
<td>Evolution</td>
<td>4</td>
</tr>
<tr>
<td>BIO 432</td>
<td>Biology of Cancer</td>
<td>4</td>
</tr>
<tr>
<td>BIO 435</td>
<td>Molecular Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 436</td>
<td>Molecular Biology Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>BIO 440</td>
<td>Bioinformatics</td>
<td>4</td>
</tr>
<tr>
<td>BIO 443</td>
<td>Molecular Mechanism of Disease and Drug Action</td>
<td>4</td>
</tr>
<tr>
<td>BIO 449</td>
<td>Advanced Microscopy and Biological Imaging</td>
<td>4</td>
</tr>
<tr>
<td>BIO 463</td>
<td>Aquatic Animal Health</td>
<td>4</td>
</tr>
</tbody>
</table>
BIO 465  Neurophysiology
BIO 466  Human Molecular Genetics
BIO 467  Neurobiology Laboratory Techniques
BIO 468  Human Molecular Genetics Lab
MIC 230  Fundamentals of Microbiology
MIC 310  Immunology
MIC 407  Pathogenic Bacteriology
MIC 410  Immunology Laboratory
MIC 420  Introductory Virology
MIC 421  Virology Laboratory

Up to two elective credits from a combination of the following (only BIO 499 can be taken for two credits):

- BIO 450  Internship in Biology
- BIO 479  Biology Teaching Assistant
- BIO 489  Independent Study in Biology
- BIO 495  Service Learning in Biology
- BIO 499  Independent Research

Select a minimum of 24 chemistry credits including: 24

- CHM 103  General Chemistry I
- CHM 104  General Chemistry II
- CHM 301  Analytical Chemistry

Select one of the organic chemistry options:

Option 1:
- CHM 300  Survey of Organic Chemistry

Option 2:
- CHM 303  Organic Chemistry Theory I
- CHM 304  and Organic Chemistry Theory II
- CHM 305  and Organic Chemistry Laboratory

Select one of the following:
- CHM 325  Fundamental Biochemistry
- CHM 417  Biochemistry I: Macromolecules
- CHM 418  and Biochemistry II

**Math requirement**

- MTH 145  Elementary Statistics

**Total Credits** 67

**Degree requirements**

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 300)
- Baccalaureate degree requirements (p. 300)

**SAH Bachelor of Science core requirements**

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

**Note:** Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

**For the Bachelor of Science degree,** students must complete a major from the college plus:

- a minor (or a second major) from any college or
- 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

**Baccalaureate degrees**

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

**Biology Major: Cellular and Molecular Concentration - Bachelor of Arts (BA)**

**Major requirements**

(All colleges, excluding teacher certification programs)

39 credits (71 total credits including CHM and MTH requirements)
Each student must have a minimum of three 400 level BIO credits (excluding BIO 450, 479, 489, 491, 495, and 499) to fulfill requirements of the major.

BIO 103 Introductory Biology 4
or BIO 105 General Biology
BIO 203 Organismal Biology 4
BIO 306 Genetics 4
BIO 307 Ecology 3
BIO 315 Cell Biology 4
BIO 435 Molecular Biology 3
BIO 436 Molecular Biology Laboratory 1
or BIO 468 Human Molecular Genetics Lab
BIO 440 Bioinformatics 2
BIO 491 Capstone Seminar in Biology 1

Select 13 credits of electives from the following: 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 202</td>
<td>Introduction to Biological Data Analysis and Interpretation</td>
<td></td>
</tr>
<tr>
<td>BIO 303</td>
<td>Vertebrate Form and Function 2</td>
<td></td>
</tr>
<tr>
<td>BIO 312</td>
<td>Human Anatomy and Physiology I 2</td>
<td></td>
</tr>
<tr>
<td>BIO 333</td>
<td>Radiation Biology</td>
<td></td>
</tr>
<tr>
<td>BIO 337</td>
<td>Plant Physiology</td>
<td></td>
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<tr>
<td>BIO 406</td>
<td>Parasitology</td>
<td></td>
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<tr>
<td>BIO 408</td>
<td>Developmental Biology</td>
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<tr>
<td>BIO 410</td>
<td>Human Cadaver Dissection</td>
<td></td>
</tr>
<tr>
<td>BIO 412</td>
<td>Mycology</td>
<td></td>
</tr>
<tr>
<td>BIO 424</td>
<td>Human Endocrinology</td>
<td></td>
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<tr>
<td>BIO 428</td>
<td>Advanced Nutrition for the Health Professions</td>
<td></td>
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<td>BIO 429</td>
<td>Evolution</td>
<td></td>
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<tr>
<td>BIO 432</td>
<td>Biology of Cancer</td>
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</tr>
<tr>
<td>BIO 436</td>
<td>Molecular Biology Laboratory</td>
<td></td>
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<td>BIO 443</td>
<td>Molecular Mechanism of Disease and Drug Action</td>
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<td>BIO 449</td>
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<td>BIO 466</td>
<td>Human Molecular Genetics</td>
<td></td>
</tr>
<tr>
<td>BIO 468</td>
<td>Human Molecular Genetics Lab</td>
<td></td>
</tr>
<tr>
<td>MIC 230</td>
<td>Fundamentals of Microbiology</td>
<td></td>
</tr>
<tr>
<td>MIC 310</td>
<td>Immunology</td>
<td></td>
</tr>
<tr>
<td>MIC 410</td>
<td>Immunology Laboratory</td>
<td></td>
</tr>
<tr>
<td>MIC 420</td>
<td>Introductory Virology</td>
<td></td>
</tr>
<tr>
<td>MIC 421</td>
<td>Virology Laboratory</td>
<td></td>
</tr>
<tr>
<td>MIC 427</td>
<td>Industrial and Fermentation Microbiology</td>
<td></td>
</tr>
</tbody>
</table>

Select a minimum of 24 chemistry credits including: 2

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 103</td>
<td>General Chemistry I</td>
<td></td>
</tr>
<tr>
<td>CHM 104</td>
<td>General Chemistry II</td>
<td></td>
</tr>
<tr>
<td>CHM 301</td>
<td>Analytical Chemistry</td>
<td></td>
</tr>
</tbody>
</table>

One organic chemistry option:

| Option 1:    | Survey of Organic Chemistry                     |
|             |                                                 |
| Option 2:    | Organic Chemistry Theory I                      |
|             | and Organic Chemistry Theory II                 |
|             | and Organic Chemistry Laboratory                |

And one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 325</td>
<td>Fundamental Biochemistry</td>
<td></td>
</tr>
<tr>
<td>CHM 417</td>
<td>Biochemistry I: Macromolecules</td>
<td></td>
</tr>
<tr>
<td>&amp; CHM 418</td>
<td>and Biochemistry II</td>
<td></td>
</tr>
</tbody>
</table>

Select a minimum of eight credits of mathematics, including the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 145</td>
<td>Elementary Statistics</td>
<td></td>
</tr>
<tr>
<td>or MTH 265</td>
<td>Mathematical Models in Biology</td>
<td></td>
</tr>
<tr>
<td>MTH 175</td>
<td>Applied Calculus</td>
<td></td>
</tr>
<tr>
<td>or MTH 207</td>
<td>Calculus I</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 71

1 Up to two credits from BIO 450, BIO 479, BIO 489, BIO 495, and BIO 499 may count toward the major.

2 A maximum of eight credits of BIO 303, BIO 312, BIO 313 can be applied to the major.

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• College core (p. 301)
• Baccalaureate degree requirements (p. 301)

SAH Bachelor of Arts core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

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• a minor in the College of Liberal Studies or
• 15 credits at the 300/400 level in the College of Liberal Studies. Internship credits generally do not count toward this college core option.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)

4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.

5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).

6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)

7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Biology Major: Cellular and Molecular Concentration - Bachelor of Science (BS)

Major requirements

(All colleges, excluding teacher certification programs)

39 credits (71 total credits including CHM and MTH requirements)

Each student must have a minimum of three 400 level BIO credits (excluding BIO 450, 479, 489, 491, 495, and 499) to fulfill requirements of the major.

BIO 103 Introductory Biology
or BIO 105 General Biology
BIO 203 Organismal Biology
BIO 306 Genetics
BIO 307 Ecology
BIO 315 Cell Biology
BIO 435 Molecular Biology
BIO 436 Molecular Biology Laboratory
or BIO 468 Human Molecular Genetics Lab
BIO 440 Bioinformatics
BIO 491 Capstone Seminar in Biology

Select 13 credits of electives from the following:

BIO 202 Introduction to Biological Data Analysis and Interpretation
BIO 303 Vertebrate Form and Function

BIO 312 Human Anatomy and Physiology I
BIO 313 Human Anatomy and Physiology II
BIO 333 Radiation Biology
BIO 337 Plant Physiology
BIO 406 Parasitology
BIO 408 Developmental Biology
BIO 410 Human Cadaver Dissection
BIO 412 Mycology
BIO 424 Human Endocrinology
BIO 428 Advanced Nutrition for the Health Professions
BIO 429 Evolution
BIO 432 Biology of Cancer
BIO 436 Molecular Biology Laboratory
BIO 443 Molecular Mechanism of Disease and Drug Action
BIO 449 Advanced Microscopy and Biological Imaging
BIO 463 Aquatic Animal Health
BIO 466 Human Molecular Genetics
BIO 468 Human Molecular Genetics Lab
MIC 230 Fundamentals of Microbiology
MIC 310 Immunology
MIC 410 Immunology Laboratory
MIC 420 Introductory Virology
MIC 421 Virology Laboratory
MIC 427 Industrial and Fermentation Microbiology

Select a minimum of 24 chemistry credits including:

CHM 103 General Chemistry I
CHM 104 General Chemistry II
CHM 301 Analytical Chemistry

One organic chemistry option:

Option 1:
CHM 300 Survey of Organic Chemistry

Option 2:
CHM 303 & CHM 304 Organic Chemistry Theory I & and Organic Chemistry Theory II
& CHM 305 & Organic Chemistry Laboratory

And one of the following:

CHM 325 Fundamental Biochemistry
CHM 417 Biochemistry I: Macromolecules & CHM 418 & Biochemistry II

Select a minimum of eight credits of mathematics, including the following:

MTH 145 Elementary Statistics
or MTH 265 Mathematical Models in Biology
MTH 175 Applied Calculus
or MTH 207 Calculus I

Total Credits 71

1 Up to two credits from BIO 450, BIO 479, BIO 489, BIO 495, and BIO 499 may count toward the major.

2 A maximum of eight credits of BIO 303, BIO 312, BIO 313 can be applied to the major.

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a
degree. The easiest way to track all of these requirements is to refer to
the Advisement Report (AR) found in the Student Information System
(WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 303)
- Baccalaureate degree requirements (p. 303)

SAH Bachelor of Science core
requirements

B.S. and B.A. students graduating from the College of Science and
Health are required to take two natural laboratory science courses
selected from the general education laboratory science category (GE 05)
and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222,
PHY 104, or PHY 204, and they either must take two mathematics
courses or one math course and one computer science course from the
math/logical systems category of the general education requirements (GE
02). One of the two science courses must be from a department outside
of the student’s major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can
use two science courses from same department.

For the Bachelor of Science degree, students must complete a major
from the college plus:

- a minor (or a second major) from any college or
- 18 credits at the 300/400 level in courses outside the major
department from any college. Internship credits generally do not count
toward this college core option.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees
must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum
Committee for the degree desired in the respective school or
college. (No substitutions for graduation may be made in course
requirements for a major or minor after the fourth week of the last
semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00
cumulative GPA. At least 40 credits must be earned in 300/400
(senior college) level courses. Courses earned at the 100/200 level
that transferred to UW-L as 300/400 level courses do not apply to
this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00
GPA in each major and minor (and concentration or emphasis, if
selected).
6. A minimum of 30 semester credits in residence at UW-L is required
for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS
Student Center as soon as the student has registered for his or her
final semester or summer term in residence. December and winter
intersession graduates should file by May 1. May and summer
graduates should file by December 1.

1 Grade point average requirements for some programs will be
considerably higher than 2.00. Re-entering students may be required
to earn credits in excess of the 120 needed for graduation in any
curriculum in order to replace credits earned in courses in which the
content has changed substantially in recent years. Each case will be
judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and
recorded within 30 days after the official ending date of each term.

Biology Major: Environmental
Science Concentration - Bachelor
of Arts (BA)

Major requirements

(All colleges, excluding teacher certification programs)

Each student must have a minimum of three 400 level BIO credits
(excluding BIO 450, BIO 479, BIO 489, BIO 491, BIO 495, and BIO
499) to fulfill requirements of the major.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 103</td>
<td>Introductory Biology</td>
</tr>
<tr>
<td>BIO 105</td>
<td>General Biology</td>
</tr>
<tr>
<td>BIO 203</td>
<td>Organismal Biology</td>
</tr>
<tr>
<td>BIO 306</td>
<td>Genetics</td>
</tr>
<tr>
<td>BIO 307</td>
<td>Ecology</td>
</tr>
<tr>
<td>BIO 315</td>
<td>Cell Biology</td>
</tr>
<tr>
<td>BIO 419</td>
<td>Quantitative Methods in Ecology</td>
</tr>
<tr>
<td>BIO 491</td>
<td>Capstone Seminar in Biology</td>
</tr>
</tbody>
</table>

Select 16 credits of elective from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 302</td>
<td>Introductory Plant Identification</td>
</tr>
<tr>
<td>BIO 321</td>
<td>Ornithology</td>
</tr>
<tr>
<td>BIO 337</td>
<td>Plant Physiology</td>
</tr>
<tr>
<td>BIO 341</td>
<td>Limnology</td>
</tr>
<tr>
<td>BIO 404</td>
<td>Plant Taxonomy</td>
</tr>
<tr>
<td>BIO 405</td>
<td>Aquatic and Wetland Vascular Plants</td>
</tr>
<tr>
<td>BIO 406</td>
<td>Parasitology</td>
</tr>
<tr>
<td>BIO 412</td>
<td>Mycology</td>
</tr>
<tr>
<td>BIO 414</td>
<td>Freshwater Invertebrate Zoology</td>
</tr>
<tr>
<td>BIO 422</td>
<td>Ichthyology</td>
</tr>
<tr>
<td>BIO 429</td>
<td>Evolution</td>
</tr>
<tr>
<td>BIO 441</td>
<td>Environmental Toxicology</td>
</tr>
<tr>
<td>BIO 442</td>
<td>Plant Microbe Interactions</td>
</tr>
<tr>
<td>BIO 447</td>
<td>Standard Methods/Quality Assurance Water Analyses</td>
</tr>
<tr>
<td>BIO 448</td>
<td>Aquatic Toxicology</td>
</tr>
<tr>
<td>BIO 456</td>
<td>Plant Ecology</td>
</tr>
<tr>
<td>BIO 458</td>
<td>Comparative Animal Physiology</td>
</tr>
<tr>
<td>BIO 463</td>
<td>Aquatic Animal Health</td>
</tr>
<tr>
<td>BIO 464</td>
<td>Stream and Watershed Ecology</td>
</tr>
<tr>
<td>BIO 473</td>
<td>Marine Biology</td>
</tr>
<tr>
<td>BIO 476</td>
<td>Ecosystem Ecology</td>
</tr>
<tr>
<td>MIC 230</td>
<td>Fundamentals of Microbiology</td>
</tr>
<tr>
<td>BIO 499</td>
<td>Independent Research (up to two credits may apply)</td>
</tr>
</tbody>
</table>
Select three semesters of chemistry, including:  
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 103 General Chemistry I</td>
<td>5-6</td>
</tr>
<tr>
<td>CHM 104 General Chemistry II</td>
<td>5-6</td>
</tr>
</tbody>
</table>

And one of the organic chemistry options:

Option 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 300 Survey of Organic Chemistry</td>
<td>5-6</td>
</tr>
</tbody>
</table>

Option 2:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 303 Organic Chemistry Theory I</td>
<td>5-6</td>
</tr>
<tr>
<td>&amp; CHM 304 and Organic Chemistry Theory II</td>
<td>5-6</td>
</tr>
<tr>
<td>&amp; CHM 305 and Organic Chemistry Laboratory</td>
<td>5-6</td>
</tr>
</tbody>
</table>

Select eight credits of mathematics, including one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 145 Elementary Statistics</td>
<td>5-6</td>
</tr>
<tr>
<td>or MTH 265 Mathematical Models in Biology</td>
<td>5-6</td>
</tr>
<tr>
<td>MTH 175 Applied Calculus</td>
<td>5-6</td>
</tr>
<tr>
<td>or MTH 207 Calculus I</td>
<td>5-6</td>
</tr>
</tbody>
</table>

Select a minimum of five credits of environmental science support courses, including one of the following options:

Option A:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 301 Analytical Chemistry</td>
<td>5-6</td>
</tr>
</tbody>
</table>

Option B: Select two of the following:

GEO/ESC 345 Remote Sensing | 8-10 |
GEO/ESC 385 Introduction to Geographic Information Systems | 8-10 |
GEO 485 Advanced Geographic Information Systems | 8-10 |

Option C: Select two of the following:

CS 120 Software Design I | 8-10 |
CS 220 Software Design II | 8-10 |
MTH 405 Statistical Methods | 8-10 |
MTH 445 Correlation and Regression Analysis | 8-10 |
MTH 446 Analysis of Variance and Design of Experiments | 8-10 |
MTH 447 Nonparametric Statistics | 8-10 |
MTH 448 Operations Research | 8-10 |

Total Credits: 67-70

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 304)
- Baccalaureate degree requirements (p. 304)

SAH Bachelor of Arts core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

For the Bachelor of Arts degree, students must complete a major from the college and proficiency in a foreign language at the 202 level or an ESL proficiency score of 80 or above on the La Crosse Battery of exams for non-native speakers of English. Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations. Students must also complete:

- a minor in the College of Liberal Studies or
- 15 credits at the 300/400 level in the College of Liberal Studies.

Internship credits generally do not count toward this college core option.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the student has transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.
# Biology Major: Environmental Science Concentration - Bachelor of Science (BS)

## Major requirements

(All colleges, excluding teacher certification programs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 103</td>
<td>Introductory Biology</td>
<td>4</td>
</tr>
<tr>
<td>or BIO 105</td>
<td>General Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 203</td>
<td>Organismal Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 306</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIO 307</td>
<td>Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 315</td>
<td>Cell Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 419</td>
<td>Quantitative Methods in Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 491</td>
<td>Capstone Seminar in Biology</td>
<td>1</td>
</tr>
</tbody>
</table>

Select 16 credits of elective from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 302</td>
<td>Introductory Plant Identification</td>
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<td>BIO 321</td>
<td>Ornithology</td>
</tr>
<tr>
<td>BIO 337</td>
<td>Plant Physiology</td>
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<tr>
<td>BIO 341</td>
<td>Limnology</td>
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<td>BIO 404</td>
<td>Plant Taxonomy</td>
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<td>BIO 405</td>
<td>Aquatic and Wetland Vascular Plants</td>
</tr>
<tr>
<td>BIO 406</td>
<td>Parasitology</td>
</tr>
<tr>
<td>BIO 412</td>
<td>Mycology</td>
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<td>BIO 414</td>
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<td>BIO 429</td>
<td>Evolution</td>
</tr>
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<td>BIO 441</td>
<td>Environmental Toxicology</td>
</tr>
<tr>
<td>BIO 442</td>
<td>Plant Microbe Interactions</td>
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<tr>
<td>BIO 447</td>
<td>Standard Methods/Quality Assurance Water Analyses</td>
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<td>Plant Ecology</td>
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<td>BIO 458</td>
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<td>BIO 464</td>
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<td>BIO 473</td>
<td>Marine Biology</td>
</tr>
<tr>
<td>BIO 476</td>
<td>Ecosystem Ecology</td>
</tr>
<tr>
<td>MIC 230</td>
<td>Fundamentals of Microbiology</td>
</tr>
<tr>
<td>BIO 499</td>
<td>Independent Research (up to two credits may apply)</td>
</tr>
<tr>
<td>MIC 350</td>
<td>Bacterial Diversity</td>
</tr>
<tr>
<td>MIC 434</td>
<td>Aquatic Microbial Ecology</td>
</tr>
</tbody>
</table>

Select three semesters of chemistry, including:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 103</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>CHM 104</td>
<td>General Chemistry II</td>
</tr>
</tbody>
</table>

And one of the organic chemistry options:

Option 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 300</td>
<td>Survey of Organic Chemistry</td>
</tr>
</tbody>
</table>

Option 2:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 303</td>
<td>Organic Chemistry Theory I</td>
</tr>
<tr>
<td>&amp; CHM 304</td>
<td>and Organic Chemistry Theory II</td>
</tr>
<tr>
<td>&amp; CHM 305</td>
<td>and Organic Chemistry Laboratory</td>
</tr>
</tbody>
</table>

Select eight credits of mathematics, including one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 145</td>
<td>Elementary Statistics</td>
</tr>
<tr>
<td>or MTH 265</td>
<td>Mathematical Models in Biology</td>
</tr>
<tr>
<td>MTH 175</td>
<td>Applied Calculus</td>
</tr>
<tr>
<td>or MTH 207</td>
<td>Calculus I</td>
</tr>
</tbody>
</table>

Select a minimum of five credits of environmental science support courses, including one of the following options:

Option A:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 301</td>
<td>Analytical Chemistry</td>
</tr>
</tbody>
</table>

Option B: Select two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO/ESC 345</td>
<td>Remote Sensing</td>
</tr>
<tr>
<td>GEO/ESC 385</td>
<td>Introduction to Geographic Information Systems</td>
</tr>
<tr>
<td>GEO 485</td>
<td>Advanced Geographic Information Systems</td>
</tr>
</tbody>
</table>

Option C: Select two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 120</td>
<td>Software Design I</td>
</tr>
<tr>
<td>CS 220</td>
<td>Software Design II</td>
</tr>
<tr>
<td>MTH 405</td>
<td>Statistical Methods</td>
</tr>
<tr>
<td>MTH 445</td>
<td>Correlation and Regression Analysis</td>
</tr>
<tr>
<td>MTH 446</td>
<td>Analysis of Variance and Design of Experiments</td>
</tr>
<tr>
<td>MTH 447</td>
<td>Nonparametric Statistics</td>
</tr>
<tr>
<td>MTH 448</td>
<td>Operations Research</td>
</tr>
</tbody>
</table>

Total Credits: 67-70

## Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 50)
- Baccalaureate degree requirements (p. 306)

## SAH Bachelor of Science core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

**Note:** Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

**For the Bachelor of Science degree,** students must complete a major from the college plus:
• a minor (or a second major) from any college or
• 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

**Baccalaureate degrees**

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA.¹ At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

¹ Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

**Biology Education Major (Early Adolescence-Adolescence Certification) - Bachelor of Science (BS)**

**Major requirements**

Admission requirements for STEP Program (p. 403)

(Teacher certification program: early adolescence-adolescence certification)

40 credits: (59-62 total credits including CHM and MTH requirements)

*Each student must have a minimum of three 400 level BIO credits (excluding BIO 450, 479, 489, 491, 495, and 499) to fulfill requirements of the major.*
BIO 465  Neurophysiology
BIO 466  Human Molecular Genetics
BIO 467  Neurobiology Laboratory Techniques
BIO 468  Human Molecular Genetics Lab
BIO 473  Marine Biology
BIO 490  Current Topics in Biology Education
BIO 495  Service Learning in Biology
MIC 230  Fundamentals of Microbiology
MIC 310  Immunology
MIC 350  Bacterial Diversity
MIC 380  Food Microbiology
MIC 410  Immunology Laboratory
MIC 420  Introductory Virology
MIC 427  Industrial and Fermentation Microbiology
MIC 428  Fermentation Microbiology Laboratory
MIC 434  Aquatic Microbial Ecology

Select three semesters of chemistry, including:  15-18

CHM 103  General Chemistry I
CHM 104  General Chemistry II

And one of the following organic chemistry options:

Option 1:
CHM 300  Survey of Organic Chemistry

Option 2:
CHM 303 & CHM 304  Organic Chemistry Theory I & II
CHM 305 & CHM 306  Organic Chemistry Theory III & IV

Math requirement  4

MTH 145  Elementary Statistics

Total Credits  59-62

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

General Science Education (Broad Field) Major (Early Adolescence-Adolescence Certification) - BS

Major requirements

Admission requirements for STEP Program (p. 403)

(Teacher certification programs: early adolescence-adolescence)

66-70 credits

Second major only. First major must be biology education, chemistry education, or physics education.

1. STEP teacher education candidates are required to complete a 36-40 credit major in biology education, chemistry education, or physics education
2. 14 credits in one science area outside of the science major selected from biology, chemistry, earth science, or physics
3. Eight credits in each of the two remaining science areas selected from biology, chemistry, earth science, or physics
4. One mathematics course beyond minimum general education math requirement

Note: The completion of one certifiable minor is highly recommended instead of the completion of the 14 credit requirement.

Additional teacher education requirements are listed in the STEP Program core (p. 403).

Degree requirements

All students must complete the general education, college core (waived for teacher certification programs), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• Baccalaureate degree requirements (p. 308)

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Dual Degree Program in Biology and Physical Therapy

This is a special dual degree program which enables a student to receive both a Bachelor of Science degree (biology major) and a Doctor of Physical Therapy degree from UW-La Crosse. Students typically complete the undergraduate requirements in three years followed by 34 months of attendance in the physical therapy graduate program. The undergraduate requirements include completion of the general education program, college core requirements (with the exception of a minor), physical therapy pre-requisite course work, and all of the requirements for the biology major except six credits of biology elective courses.

UW-La Crosse students will be selected for entrance into the graduate program in physical therapy through a competitive application process. Participation in the undergraduate Biology/PT dual degree program does not guarantee admission to the graduate program in physical therapy.

Major requirements

(All colleges, excluding teacher certification programs)

33 credits (52 total credits including CHM and MTH requirements)

Each student must have a minimum of three 400 level BIO credits (excluding BIO 450, 479, 491, 495, and 499) to fulfill requirements of the major.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 103</td>
<td>Introductory Biology</td>
<td>4</td>
</tr>
<tr>
<td>or BIO 105</td>
<td>General Biology</td>
<td></td>
</tr>
<tr>
<td>BIO 203</td>
<td>Organismal Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 306</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIO 307</td>
<td>Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 315</td>
<td>Cell Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 491</td>
<td>Capstone Seminar in Biology</td>
<td>1</td>
</tr>
</tbody>
</table>

Select one upper level (300/400) lab component 1-4

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BIO 302</td>
<td>Introductory Plant Identification</td>
<td></td>
</tr>
<tr>
<td>BIO 303</td>
<td>Vertebrate Form and Function</td>
<td>1</td>
</tr>
<tr>
<td>BIO 312</td>
<td>Human Anatomy and Physiology I</td>
<td></td>
</tr>
<tr>
<td>BIO 313</td>
<td>Human Anatomy and Physiology II</td>
<td>1</td>
</tr>
<tr>
<td>BIO 321</td>
<td>Ornithology</td>
<td></td>
</tr>
<tr>
<td>BIO 333</td>
<td>Radiation Biology</td>
<td></td>
</tr>
<tr>
<td>BIO 341</td>
<td>Limnology</td>
<td></td>
</tr>
<tr>
<td>BIO 404</td>
<td>Plant Taxonomy</td>
<td></td>
</tr>
<tr>
<td>BIO 405</td>
<td>Aquatic and Wetland Vascular Plants</td>
<td></td>
</tr>
<tr>
<td>BIO 406</td>
<td>Parasitology</td>
<td></td>
</tr>
<tr>
<td>BIO 408</td>
<td>Developmental Biology</td>
<td></td>
</tr>
<tr>
<td>BIO 410</td>
<td>Human Cadaver Dissection</td>
<td></td>
</tr>
<tr>
<td>BIO 412</td>
<td>Mycology</td>
<td></td>
</tr>
<tr>
<td>BIO 413</td>
<td>Medical Mycology</td>
<td></td>
</tr>
<tr>
<td>BIO 414</td>
<td>Freshwater Invertebrate Zoology</td>
<td></td>
</tr>
<tr>
<td>BIO 419</td>
<td>Quantitative Methods in Ecology</td>
<td></td>
</tr>
<tr>
<td>BIO 422</td>
<td>Ichthyology</td>
<td></td>
</tr>
<tr>
<td>BIO 436</td>
<td>Molecular Biology Laboratory</td>
<td></td>
</tr>
<tr>
<td>BIO 439</td>
<td>Plant Anatomy</td>
<td></td>
</tr>
<tr>
<td>BIO/MIC 440</td>
<td>Bioinformatics</td>
<td></td>
</tr>
<tr>
<td>BIO/MIC 442</td>
<td>Plant Microbe Interactions</td>
<td></td>
</tr>
</tbody>
</table>
University of Wisconsin-La Crosse

BIO 447  Standard Methods/Quality Assurance Water Analyses
BIO 448  Aquatic Toxicology
BIO 456  Plant Ecology
BIO 463  Aquatic Animal Health
BIO 467  Neurobiology Laboratory Techniques
BIO 468  Human Molecular Genetics Lab
MIC 421  Virology Laboratory

**Select 10-12 credits of electives from the following:**

1. BIO 202  Introduction to Biological Data Analysis and Interpretation
2. BIO 210  Animal Biology
3. BIO 302  Introductory Plant Identification
4. BIO 303  Vertebrate Form and Function
5. BIO 312  Human Anatomy and Physiology I
6. BIO 313  Human Anatomy and Physiology II
7. BIO 321  Ornithology
8. BIO 330  Economic Botany
9. BIO 333  Radiation Biology
10. BIO 337  Plant Physiology
11. BIO 341  Limnology
12. BIO 405  Aquatic and Wetland Vascular Plants
13. BIO 406  Parasitology
14. BIO 408  Developmental Biology
15. BIO 312  Human Cadaver Dissection
16. BIO 412  Mycology
17. BIO 413  Medical Mycology
18. BIO 414  Freshwater Invertebrate Zoology
19. BIO 419  Quantitative Methods in Ecology
20. BIO 422  Ichthyology
21. BIO 424  Human Endocrinology
22. BIO 428  Advanced Nutrition for the Health Professions
23. BIO 429  Evolution
24. BIO 432  Biology of Cancer
25. BIO 435  Molecular Biology
26. BIO 436  Molecular Biology Laboratory
27. BIO 437  Plant Growth and Development
28. BIO 439  Plant Anatomy
29. BIO 440  Bioinformatics
30. BIO 441  Environmental Toxicology
31. BIO 442  Plant Microbe Interactions
32. BIO 443  Molecular Mechanism of Disease and Drug Action
33. BIO 447  Standard Methods/Quality Assurance Water Analyses
34. BIO 448  Aquatic Toxicology
35. BIO 449  Advanced Microscopy and Biological Imaging
36. BIO 456  Plant Ecology
37. BIO 458  Comparative Animal Physiology
38. BIO 463  Aquatic Animal Health
39. BIO 464  Stream and Watershed Ecology
40. BIO 465  Neuropsychology
41. BIO 466  Human Molecular Genetics
42. BIO 467  Neurobiology Laboratory Techniques
43. BIO 468  Human Molecular Genetics Lab

**Select three semesters of chemistry, including:**

1. CHM 103  General Chemistry I
2. CHM 104  General Chemistry II
And one of the following organic chemistry options:

**Option 1:**

1. CHM 300  Survey of Organic Chemistry

**Option 2:**

1. CHM 303  Organic Chemistry Theory I
2. CHM 304  Organic Chemistry Theory II
3. CHM 305  Organic Chemistry Laboratory

**Math requirement**

1. MTH 145  Elementary Statistics

**Total Credits**

52-55

---

1. A maximum of eight credits of BIO 303, BIO 312, BIO 313 can be applied to the major.
2. Up to two credits of BIO 499 may be used as electives.

In addition, students must complete the physical therapy prerequisite course work (http://catalog.uwlax.edu/graduate/programrequirements/physicaltherapy/dpt/#programrequirementstext).

**Degree requirements**

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core for B.S. (no minor required) (p. 309)
- Baccalaureate degree requirements (p. 310)
- Doctor of Physical Therapy requirements (http://catalog.uwlax.edu/graduate/programrequirements/physicaltherapy/dpt)

**SAH Bachelor of Science requirements**

**SAH Bachelor of Science core requirements**

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics
courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

For the Bachelor of Science degree, students must complete a major from the college plus:

• a minor (or a second major) from any college or
• 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

UW-L undergraduate degree requirements

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA.¹ At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA¹ in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

¹ Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Biology Minor

(All colleges, excluding teacher certification programs)

24 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 103</td>
<td>Introductory Biology</td>
<td>4</td>
</tr>
<tr>
<td>or BIO 105</td>
<td>General Biology</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 203</td>
<td>Organismal Biology</td>
<td>4</td>
</tr>
<tr>
<td>or BIO 103</td>
<td>Introductory Biology</td>
<td></td>
</tr>
</tbody>
</table>

Select electives in biology or microbiology, including at least one course numbered 302 or above ¹

Total Credits 24

¹ A maximum of eight credits of BIO 303, BIO 312, BIO 313 can be applied to the minor. BIO 102, BIO 106 and MIC 100, MIC 130, MIC 407, MIC 416, MIC 425 are not applicable as electives.

A maximum of two non-lab courses can be applied toward the biology minor elective requirement, excluding BIO 499.

Biology Education Minor

(Teacher certification programs)

24 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 105</td>
<td>General Biology (preferred)</td>
<td>4</td>
</tr>
<tr>
<td>or BIO 103</td>
<td>Introductory Biology</td>
<td></td>
</tr>
<tr>
<td>BIO 203</td>
<td>Organismal Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 306</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIO 307</td>
<td>Ecology</td>
<td>3</td>
</tr>
<tr>
<td>MIC 230</td>
<td>Fundamentals of Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>or BIO 315</td>
<td>Cell Biology</td>
<td></td>
</tr>
</tbody>
</table>

Electives ¹ 5

Total Credits 24

¹ A maximum of two non-lab courses may be applied toward the biology minor elective requirement. BIO 102, BIO 106, BIO 469, BIO 499; MIC 100, MIC 130, MIC 407, MIC 416, MIC 425 are not applicable as electives.

Teacher certification candidates must also complete GEO 200; in addition, early adolescence-adolescence candidates must complete BIO 469 unless a major in chemistry education or physics education is completed. Both courses fulfill statutory licensing requirements.

Chemistry and Biochemistry (CHM)

College of Science and Health
Department Chair: Aaron Monte
4004 Cowley Hall; 608.785.8268
Email: amonte@uw lax.edu
www.uwlax.edu/chemistry

Each day, our society is faced with many issues and problems that can be addressed by well-trained chemists and biochemists. Demands for new consumer products, high performance materials, energy producing fuels, disease fighting molecules, and many other products are met by these professionals on a daily basis. In addition, chemists are frequently responsible for the management of environmental status, such as air, water, and soil quality and for the scientific education of our society’s youth. Chemists and biochemists are not only well trained as analytical thinkers and problem solvers, but also as effective communicators of scientific concepts. This makes the various chemistry and biochemistry degree programs at UW-La Crosse highly attractive to many employers and graduate and professional programs, such as schools of pharmacy, medicine, engineering, and law.
The Department of Chemistry and Biochemistry at UW-La Crosse is fully accredited by the American Chemical Society’s Committee on Professional Training (ACS-CPT). This recognition acknowledges the quality program, staff, and facilities of the department and enables us to offer the prestigious ACS-Certified B.S. degree in chemistry, along with several other bachelor’s degree options.

**Our people**

**Professor**
Keith Beyer
Jeffrey Bryan
Curtis Czerwinski
Sandra Grunwald
Adrienne Loh
Robert McGaff
Aaron Monte
Bruce Osterby
Kristofer Rolfhus
Todd Weaver

**Associate Professor**
Janet Kirsch
Paul Miller
Aric Opdahl
Heather Schenck

**Assistant Professor**
Nadia Carmosini
Anna George
Nicholas McGrath
Daniel Grilley
Kendric Nelson

**Senior Lecturer**
Ressano Desouza-Machado
Sandra Koster

**Lecturer**
Tanya Cordes
Roghieh Ghodsian
Bruce Gustafson

**Associate Lecturer**
Basudeb Bhattacharyya

Katherine Friesen
George Hudson
Hayley Hudson
Yevgeniya Turov

**Laboratory Manager I**
Laura Roessler

**Administrative Support**
Lori Hanson

**Majors**

- Biochemistry major - BS (p. 311)
- Chemistry major (with ACS certification) - BS (p. 313)
- Chemistry major with business concentration - BS (p. 314)
- Chemistry major with environmental science concentration - BS (p. 315)
- Chemistry education major (early adolescence-adolescence certification) - BS (p. 316)
- General science education (broad field) major (early adolescence-adolescence certification) - BS (p. 317)
- Dual degree program in chemistry and engineering (p. 317)

**Minors**

- Chemistry minor (p. 318)
- Chemistry education minor (p. 319)

**Biochemistry Major - Bachelor of Science (BS)**

**Major requirements**

(All colleges, excluding teacher certification programs)

46 credits

**Required major courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 103</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHM 104</td>
<td>General Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>CHM 271</td>
<td>The Chemical Community</td>
<td>1</td>
</tr>
<tr>
<td>CHM 301</td>
<td>Analytical Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHM 303</td>
<td>Organic Chemistry Theory I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 304</td>
<td>Organic Chemistry Theory II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 305</td>
<td>Organic Chemistry Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>CHM 407</td>
<td>Biophysical Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHM 417</td>
<td>Biochemistry I: Macromolecules</td>
<td>4</td>
</tr>
<tr>
<td>CHM 418</td>
<td>Biochemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 419</td>
<td>Advanced Biochemistry Lab</td>
<td>2</td>
</tr>
<tr>
<td>CHM 471</td>
<td>Capstone in Chemistry and Biochemistry</td>
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<tr>
<td>BIO 435</td>
<td>Molecular Biology</td>
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<tr>
<td>BIO 436</td>
<td>Molecular Biology Laboratory</td>
<td>1</td>
</tr>
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</table>

Select five credits of electives from the following: 5

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 403</td>
<td>Advanced Organic Chemistry</td>
</tr>
<tr>
<td>CHM 431</td>
<td>Advanced Inorganic Chemistry</td>
</tr>
</tbody>
</table>
Required prerequisite courses (30 credits minimum)

Select an additional 30 credits to meet prerequisites for required courses including the following:

**Mathematics Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 207</td>
<td>Calculus I</td>
<td>5</td>
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<tr>
<td>MTH 208</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>or MTH 265</td>
<td>Mathematical Models in Biology</td>
<td>4</td>
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</table>

**Physics Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PHY 103</td>
<td>Fundamental Physics I</td>
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</tr>
<tr>
<td>or PHY 203</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHY 104</td>
<td>Fundamental Physics II</td>
<td>4</td>
</tr>
<tr>
<td>or PHY 204</td>
<td>General Physics II</td>
<td>4</td>
</tr>
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</table>

**Biology Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BIO 103</td>
<td>Introductory Biology</td>
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</tr>
<tr>
<td>or BIO 105</td>
<td>General Biology</td>
<td>4</td>
</tr>
</tbody>
</table>

Select either Biology or Microbiology track prerequisites (see below) 9–12

Total Credits: 30

**Biology track prerequisites**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 306</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIO 315</td>
<td>Cell Biology</td>
<td>4</td>
</tr>
</tbody>
</table>

Select one from the following: 2–4

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 202</td>
<td>Introduction to Biological Data Analysis and Interpretation</td>
<td>4</td>
</tr>
<tr>
<td>BIO 203</td>
<td>Organismal Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 204</td>
<td>Plant Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 210</td>
<td>Animal Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 312</td>
<td>Human Anatomy and Physiology I</td>
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</tr>
</tbody>
</table>

Total Credits: 10–12

**Microbiology track prerequisites**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIC 230</td>
<td>Fundamentals of Microbiology</td>
<td>5</td>
</tr>
<tr>
<td>MIC 416</td>
<td>Microbial Genetics</td>
<td>5</td>
</tr>
</tbody>
</table>

Total Credits: 9

### Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 312)
- Baccalaureate degree requirements (p. 312)

### SAH Bachelor of Science core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

**Note:** Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

**For the Bachelor of Science degree,** students must complete a major from the college plus:

- a minor (or a second major) from any college or
- 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

### Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)

7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Chemistry Major (with ACS Certification) - Bachelor of Science (BS)

The Chemistry Program at UW-La Crosse is approved by the American Chemical Society (ACS). Students completing a baccalaureate degree that meets the following ACS guidelines will receive an "ACS-certified B.S. degree" in chemistry. This degree track includes the course work and experiences necessary to satisfy the requirements for ACS certification.

**Major requirements**

(All colleges, excluding teacher certification programs)

<table>
<thead>
<tr>
<th>Core curriculum</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CHM 103</strong> General Chemistry I</td>
</tr>
<tr>
<td><strong>CHM 104</strong> General Chemistry II</td>
</tr>
<tr>
<td><strong>CHM 231</strong> Fundamentals of Inorganic Chemistry</td>
</tr>
<tr>
<td><strong>CHM 271</strong> The Chemical Community</td>
</tr>
<tr>
<td><strong>CHM 301</strong> Analytical Chemistry</td>
</tr>
<tr>
<td><strong>CHM 303</strong> Organic Chemistry Theory I</td>
</tr>
<tr>
<td><strong>CHM 304</strong> Organic Chemistry Theory II</td>
</tr>
<tr>
<td><strong>CHM 305</strong> Organic Chemistry Laboratory</td>
</tr>
<tr>
<td><strong>CHM 309</strong> Physical Chemistry Theory I</td>
</tr>
<tr>
<td><strong>CHM 310</strong> Physical Chemistry Theory II</td>
</tr>
<tr>
<td><strong>CHM 313</strong> Physical Chemistry Laboratory</td>
</tr>
<tr>
<td><strong>CHM 325</strong> Fundamental Biochemistry</td>
</tr>
<tr>
<td><strong>CHM 417</strong> Biochemistry: Macromolecules</td>
</tr>
<tr>
<td><strong>CHM 471</strong> Capstone in Chemistry and Biochemistry</td>
</tr>
</tbody>
</table>

**Research/laboratory requirement**

Select one of the following three options 5-7

<table>
<thead>
<tr>
<th>Option 1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CHM 499</strong> Research (two or more credits with a final graded paper)</td>
</tr>
<tr>
<td>or <strong>CHM 419</strong> Advanced Biochemistry Lab</td>
</tr>
<tr>
<td>Two additional in-depth upper-level electives (see below for list)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Option 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CHM 499</strong> Research (one credit with a final graded paper)</td>
</tr>
<tr>
<td>Two in-depth upper-level electives, one of which must have a laboratory component (see below for list)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Option 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two in-depth upper-level electives with laboratory components (see below for list)</td>
</tr>
</tbody>
</table>

**In-depth upper-level electives**

<table>
<thead>
<tr>
<th>CHM 314</th>
<th>Advanced Physical Chemistry Laboratory</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 330</td>
<td>Industrial Chemistry</td>
</tr>
<tr>
<td>CHM 403</td>
<td>Advanced Organic Chemistry</td>
</tr>
<tr>
<td>CHM 405</td>
<td>Advanced Synthesis Laboratory</td>
</tr>
<tr>
<td>CHM 407</td>
<td>Biophysical Chemistry</td>
</tr>
<tr>
<td>CHM 412</td>
<td>Environmental Chemistry</td>
</tr>
<tr>
<td>CHM 418</td>
<td>Biochemistry II</td>
</tr>
<tr>
<td>CHM 419</td>
<td>Advanced Biochemistry Lab</td>
</tr>
<tr>
<td>CHM 424</td>
<td>Spectroscopy</td>
</tr>
<tr>
<td>CHM 431</td>
<td>Advanced Inorganic Chemistry</td>
</tr>
<tr>
<td>CHM 441</td>
<td>Instrumental Analysis</td>
</tr>
<tr>
<td>CHM 461</td>
<td>Nuclear Chemistry</td>
</tr>
</tbody>
</table>

1 in-depth upper-level elective

2 in-depth upper-level elective with laboratory component

**Required prerequisite courses (21 credits)**

Select an additional 21 credits to meet prerequisites for required courses including the following:

<table>
<thead>
<tr>
<th>MTH 207</th>
<th>Calculus I</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 208</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MTH 310</td>
<td>Calculus III: Multivariate Calculus</td>
<td>4</td>
</tr>
<tr>
<td>PHY 203</td>
<td>General Physics I</td>
<td>8</td>
</tr>
<tr>
<td>&amp; PHY 204</td>
<td>General Physics II</td>
<td></td>
</tr>
</tbody>
</table>

In completing these degree requirements, chemistry majors must experience over 400 chemistry laboratory hours, beyond CHM 103.

**Degree requirements**

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 313)
- Baccalaureate degree requirements (p. 314)

**SAH Bachelor of Science core requirements**

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222,
PHY 104, or PHY 204, and they either must take two mathematics
courses or one math course and one computer science course from the
math/logical systems category of the general education requirements (GE
02). One of the two science courses must be from a department outside
of the student’s major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can
use two science courses from same department.

For the Bachelor of Science degree, students must complete a major
from the college plus:

• a minor (or a second major) from any college or
• 18 credits at the 300/400 level in courses outside the major
department from any college. Internship credits generally do not count
toward this college core option.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees
must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum
Committee for the degree desired in the respective school or
college. (No substitutions for graduation may be made in course
requirements for a major or minor after the fourth week of the last
semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00
cumulative GPA. At least 40 credits must be earned in 300/400
(senior college) level courses. Courses earned at the 100/200 level
that transferred to UW-L as 300/400 level courses do not apply to
this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00
GPA in each major and minor (and concentration or emphasis, if
selected).
6. A minimum of 30 semester credits in residence at UW-L is required
for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS
Student Center as soon as the student has registered for his or her
final semester or summer term in residence. December and winter
intersession graduates should file by May 1. May and summer
graduates should file by December 1.

Grade point average requirements for some programs will be
considerably higher than 2.00. Re-entering students may be required
to earn credits in excess of the 120 needed for graduation in any
curriculum in order to replace credits earned in courses in which the
content has changed substantially in recent years. Each case will be
judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and
recorded within 30 days after the official ending date of each term.

Chemistry Major with Business Concentration - Bachelor of
Science (BS)

Major requirements

(All colleges, excluding teacher certification programs)

58 credits (79 total credits including MTH and PHY requirements)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 103</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHM 104</td>
<td>General Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>CHM 271</td>
<td>The Chemical Community</td>
<td>1</td>
</tr>
<tr>
<td>CHM 301</td>
<td>Analytical Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHM 303</td>
<td>Organic Chemistry Theory I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 304</td>
<td>Organic Chemistry Theory II</td>
<td>3</td>
</tr>
<tr>
<td>CHM 305</td>
<td>Organic Chemistry Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>CHM 309</td>
<td>Physical Chemistry Theory I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 313</td>
<td>Physical Chemistry Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>CHM 471</td>
<td>Capstone in Chemistry and Biochemistry</td>
<td>1</td>
</tr>
<tr>
<td>ECO 110</td>
<td>Microeconomics and Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>ECO 120</td>
<td>Global Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ACC 221</td>
<td>Accounting Principles I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 222</td>
<td>Accounting Principles II</td>
<td>3</td>
</tr>
<tr>
<td>FIN 355</td>
<td>Principles of Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 309</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MGT 308</td>
<td>Behavior and Theory in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>MGT 408</td>
<td>The Global Responsibility of Business</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives in chemistry

Select an additional 21 credits required to meet prerequisites for
required courses including the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 207</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MTH 208</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MTH 310</td>
<td>Calculus III: Multivariate Calculus</td>
<td>4</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 103</td>
<td>Fundamental Physics I</td>
<td>1</td>
</tr>
<tr>
<td>&amp; PHY 104</td>
<td>and Fundamental Physics II</td>
<td>1</td>
</tr>
<tr>
<td>PHY 203</td>
<td>General Physics I</td>
<td>3</td>
</tr>
<tr>
<td>&amp; PHY 204</td>
<td>and General Physics II</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 79

1 excluding CHM 100, CHM 250, CHM 300, CHM 320, CHM 469, and
CHM 487.

Students in this major are exempt from the College of Science and Health
core requirements.

Degree requirements

All students must complete the general education, college core (waived
for chemistry majors with business concentrations), major/minor,
and university degree requirements in order to qualify for a degree.
The easiest way to track all of these requirements is to refer to the
Advisement Report (AR) found in the Student Information System
(WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• Baccalaureate degree requirements (p. 315)
Baccalaureate degrees
Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Chemistry Major with Environmental Science Concentration - Bachelor of Science (BS)

Major requirements
(All colleges, excluding teacher certification programs)

52 credits (73 total credits including MTH and PHY requirements)

CHM 103 General Chemistry I 5
CHM 104 General Chemistry II 5
CHM 271 The Chemical Community 1
CHM 301 Analytical Chemistry 5
CHM 303 Organic Chemistry Theory I 3
CHM 304 Organic Chemistry Theory II 3
CHM 305 Organic Chemistry Laboratory 2
CHM 309 Physical Chemistry Theory I 3
CHM 412 Environmental Chemistry 3
CHM 441 Instrumental Analysis 4

Select five credits of the following:

CHM 310 Physical Chemistry Theory II 5
CHM 313 Physical Chemistry Laboratory 5
CHM 314 Advanced Physical Chemistry Laboratory 5

Select 12 credits of the following:

BIO 341 Limnology 12
BIO 419 Quantitative Methods in Ecology 12
BIO 447 Standard Methods/Qaulity Assurance Water Analyses 12

Select an additional 21 credits to meet prerequisites for required courses including the following:

MTH 207 Calculus I 5
MTH 208 Calculus II 4
MTH 310 Calculus III: Multivariate Calculus 4

Select one of the following:

PHY 103 Fundamental Physics I 8
& PHY 104 and Fundamental Physics II 8

PHY 203 General Physics I 8
& PHY 204 and General Physics II 8

Total Credits 73

Students in this major are exempt from the College of Science and Health core requirements.

Degree requirements
All students must complete the general education, college core (waived for chemistry majors with environmental science concentrations), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• Baccalaureate degree requirements (p. 315)
Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Chemistry Education Major
(Early Adolescence-Adolescence Certification) - Bachelor of Science (BS)

Major requirements

Admission requirements for STEP Program (p. 403)

(Teacher certification program: early adolescence-adolescence)

37 credits (58 total credits including MTH and PHY requirements)

<table>
<thead>
<tr>
<th>Core</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 103</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>CHM 104</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CHM 271</td>
<td>The Chemical Community</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
</tr>
<tr>
<td>Option 1:</td>
<td></td>
</tr>
<tr>
<td>CHM 300</td>
<td>Survey of Organic Chemistry</td>
</tr>
<tr>
<td>Option 2:</td>
<td></td>
</tr>
</tbody>
</table>

Select electives in chemistry

Select an additional 21 credits to meet prerequisites including the following:

<table>
<thead>
<tr>
<th>CHM 303 &amp; CHM 304 &amp; CHM 305</th>
<th>Organic Chemistry Theory I and Organic Chemistry Theory II and Organic Chemistry Laboratory</th>
<th>4-7</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 301</td>
<td>Analytical Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHM 309</td>
<td>Physical Chemistry Theory I</td>
<td>3</td>
</tr>
<tr>
<td>CHM 469</td>
<td>Teaching and Learning Science in the Secondary School</td>
<td>4</td>
</tr>
<tr>
<td>CHM 471</td>
<td>Capstone in Chemistry and Biochemistry</td>
<td>1</td>
</tr>
<tr>
<td>CHM 487</td>
<td>Peer Instruction and Learning in Chemistry ¹</td>
<td>1</td>
</tr>
<tr>
<td>Select electives in chemistry ²</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>Total Credits</td>
<td>58-61</td>
<td></td>
</tr>
</tbody>
</table>

¹ Up to two credits of CHM 487 Peer Instruction and Learning in Chemistry (1 cr.) may count toward the major.
² except CHM 100, CHM 250, CHM 320 and CHM 407

Teacher certification candidates must also complete GEO 200 Conservation of Global Environments (3 cr.) to fulfill statutory licensing requirements.

Additional teacher education requirements are listed in the STEP program core (p. 403).

Degree requirements

All students must complete the general education, college core (waived for teacher certification programs), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• Baccalaureate degree requirements (p. 316)

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level
that transferred to UW-L as 300/400 level courses do not apply to
this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00
GPA¹ in each major and minor (and concentration or emphasis, if
selected).
6. A minimum of 30 semester credits in residence at UW-L is required
for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS
Student Center as soon as the student has registered for his or her
final semester or summer term in residence. December and winter
intersession graduates should file by May 1. May and summer
graduates should file by December 1.

¹ Grade point average requirements for some programs will be
considerably higher than 2.00. Re-entering students may be required
to earn credits in excess of the 120 needed for graduation in any
curriculum in order to replace credits earned in courses in which the
content has changed substantially in recent years. Each case will be
judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and
recorded within 30 days after the official ending date of each term.

General Science Education
(Broad Field) Major (Early Adolescence-Adolescence
Certification) - BS

Major requirements
Admission requirements for STEP Program (p. 403)
(Teacher certification programs: early adolescence-adolescence)
66-70 credits

Second major only. First major must be biology education, chemistry
education, or physics education.

1. STEP teacher education candidates are required to complete a
36-40 credit major in biology education, chemistry education, or
physics education
2. 14 credits in one science area outside of the science major selected
from biology, chemistry, earth science, or physics
3. Eight credits in each of the two remaining science areas selected
from biology, chemistry, earth science, or physics
4. One mathematics course beyond minimum general education math
requirement

Note: The completion of one certifiable minor is highly recommended
instead of the completion of the 14 credit requirement.

Additional teacher education requirements are listed in the STEP
Program core (p. 403).

Degree requirements
All students must complete the general education, college core (waived
for teacher certification programs), major/minor, and university degree
requirements in order to qualify for a degree. The easiest way to track all
of these requirements is to refer to the Advisement Report (AR) found in

the Student Information System (WINGS) Student Center. All enrolled
students have access to the AR.

• General education (p. 50)
• Baccalaureate degree requirements (p. 317)

Baccalaureate degrees
Candidates for the Bachelor of Arts or the Bachelor of Science degrees
must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum
Committee for the degree desired in the respective school or
college. (No substitutions for graduation may be made in course
requirements for a major or minor after the fourth week of the last
semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00
cumulative GPA.¹ At least 40 credits must be earned in 300/400
(senior college) level courses. Courses earned at the 100/200 level
that transferred to UW-L as 300/400 level courses do not apply to
this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00
GPA¹ in each major and minor (and concentration or emphasis, if
selected).
6. A minimum of 30 semester credits in residence at UW-L is required
for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS
Student Center as soon as the student has registered for his or her
final semester or summer term in residence. December and winter
intersession graduates should file by May 1. May and summer
graduates should file by December 1.

¹ Grade point average requirements for some programs will be
considerably higher than 2.00. Re-entering students may be required
to earn credits in excess of the 120 needed for graduation in any
curriculum in order to replace credits earned in courses in which the
content has changed substantially in recent years. Each case will be
judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and
recorded within 30 days after the official ending date of each term.

Dual Degree Program in
Chemistry and Engineering

Major requirements
Students with a chemistry major who also are interested in engineering
are able to receive both a Bachelor of Science degree (chemistry major)
from UW-La Crosse and a Bachelor of Science degree (engineering
major) from UW-Madison or the University of Minnesota. At UW-La
Crosse, students must complete a minimum of 87 credits, including the
general education requirements and specific math and science courses in
preparation for the engineering program. Students are recommended to
include the following courses in their work at UW-La Crosse:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 103</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHM 104</td>
<td>General Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>CHM 271</td>
<td>The Chemical Community</td>
<td>1</td>
</tr>
<tr>
<td>CHM 301</td>
<td>Analytical Chemistry</td>
<td>5</td>
</tr>
</tbody>
</table>
Students should consult with the chemistry department chair for specific course and sequence advising for this agreement.

Students who express interest in the dual degree program will be accepted into the UW-Madison or University of Minnesota portion of the program based on their GPA in all course work; their GPA in the chemistry, computer science, mathematics and physics course work required by the program; and the positive recommendation of the UW-La Crosse chemistry department chair (or designee). Qualified UW-La Crosse applicants are assured admission to the College of Engineering at either UW-Madison or the University of Minnesota.

In order to receive the B.S. degree (chemistry major) from UW-La Crosse, students also must complete the remaining 32 credits (to total a minimum of 120 credits) in engineering at UW-Madison or University of Minnesota and transfer these credits to UW-La Crosse. For the typical student, the remaining 32 credits must include at least eight credits at the 300 level or above. This transfer of credits and awarding of the B.S. degree by UW-La Crosse can take place as soon as the student earns the necessary credits.

**Degree requirements**

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 318)
- Baccalaureate degree requirements (p. 318)

**SAH Bachelor of Science core requirements**

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the mathematical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

**Note:** Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

**For the Bachelor of Science degree,** students must complete a major from the college plus:

- a minor (or a second major) from any college or
- 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

**Baccalaureate degrees**

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

**No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.**

**Chemistry Minor**

(All colleges, excluding teacher certification programs)

26 credits

**Core**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 103</td>
<td>General Chemistry I</td>
<td>5</td>
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<tr>
<td>CHM 104</td>
<td>General Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>CHM 301</td>
<td>Analytical Chemistry</td>
<td>5</td>
</tr>
</tbody>
</table>

Select one of the following: 5-8
Chemistry Education Minor

(Teacher certification programs)

25 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 103</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHM 104</td>
<td>General Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>CHM 301</td>
<td>Analytical Chemistry</td>
<td>5</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 300</td>
<td>Survey of Organic Chemistry</td>
<td>5-8</td>
</tr>
<tr>
<td>CHM 303 &amp; CHM 304</td>
<td>Organic Chemistry Theory I and II</td>
<td>5</td>
</tr>
<tr>
<td>&amp; CHM 305</td>
<td>Organic Chemistry Laboratory</td>
<td>5</td>
</tr>
</tbody>
</table>

Electives in Chemistry 1 | 5 |

Total Credits | 25-28 |

1 except CHM 100 and CHM 469

Teacher certification candidates must also complete GEO 200 Conservation of Global Environments (3 cr.); in addition, early adolescence-adolescence candidates must complete CHM 469 Teaching and Learning Science in the Secondary School (4 cr.) unless a major in biology education or physics education is completed. Both courses fulfill statutory licensing requirements.

Clinical Laboratory Science (CLI)

College of Science and Health
Department of Microbiology
Program Director: Michael Lazzari
3003 Cowley Hall, 608.785.6479
e-mail: mlazzari@uwflax.edu

www.uwflax.edu/clinlabsci

Clinical laboratory scientists perform complex biological, microbiological, and chemical tests on patient samples. They also use, maintain, and troubleshoot sophisticated laboratory equipment that is used to perform diagnostic tests. Clinical laboratory scientists analyze these test results and discuss them with the medical staff. They also possess the skills required for molecular diagnostic tests based on DNA and RNA technologies. In addition, they find opportunities in test development, experimental design, administration, and education.

The curriculum requires a minimum of six semesters and a summer session on campus to complete the pre-professional and pre-clinical courses. Students spend an additional nine months of clinical education in a hospital-sponsored, accredited program during their senior year. A bachelor of science degree is awarded at the satisfactory completion of all required course work.

General education writing emphasis

This department incorporates a significant amount of writing through the required courses instead of identifying particular courses as writing emphasis courses. Students who complete a major in this department will fulfill the general education writing emphasis requirement (p. 50).

Major

• Clinical laboratory science - BS (p. 319)

Clinical Laboratory Science - Bachelor of Science (BS)

Major requirements

(College of Science and Health)

Admission to program

Admission to the clinical laboratory science major is on a competitive basis. Students apply for admission early in the spring semester of the academic year just prior to the beginning of their professional studies, typically in the sophomore year. Formal acceptance into the major, effective at the beginning of the fall semester is based on the submission of an application for admission to the major, personal recommendations, review of academic performance, and an interview with the program admission committee. A minimum cumulative grade point average of 2.75 is strongly recommended.

Admission to clinical requirement

The application process for the clinical year in the hospital-sponsored program is similar to the process required for acceptance to the clinical laboratory science major. Acceptance into the hospital program is not guaranteed by the university. The hospital programs affiliated with UW-L are accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).

During the clinical component, in an accredited hospital program, students will register for (or be allowed to transfer in from Mayo’s CLS program) the equivalent of, at minimum, 31 UW-L credits. The clinical phase routinely begins in late August with anticipated graduation the following spring. Graduates of the program are eligible to sit for certification examinations offered by national certification agencies.

NAACLS accredited hospital affiliates of UW-L:

• Hennepin County Medical Center, Minneapolis, Minn.
• Saint Joseph’s Hospital/Marshfield Laboratories, Marshfield, Wis.
• Aspirus Wausau Hospital, Wausau, Wis.
• Affinity Health, Appleton, Wis.
• Mayo Clinic, College of Medicine, School of Health Sciences, Rochester, Minn.

UW-L is affiliated with the University of North Dakota, an accredited program, which provides access to many other hospital affiliates throughout the upper Midwest.
Clinical laboratory science students who select to complete the required year-long clinical at the Mayo School of Health Sciences (MSHS) enroll at MSHS rather than at UW-La Crosse. The courses taken during the year-long clinical at MSHS meet UW-La Crosse CLI program requirements. The student must request an official transcript be sent to UW-La Crosse from MSHS. Upon successful completion of the clinical and all other graduation requirements, the students are awarded the Bachelor of Science degree from UW-La Crosse. The Mayo School of Health Sciences (MSHS) grants a Certificate of Completion in Clinical Laboratory Science.

Graduation requirements

Core courses in the pre-professional curriculum must be completed with a grade of "C" or above. UW-L students must meet all university graduation requirements including those for general education, college core, and university degree requirements. However, students in the clinical laboratory science major are exempt from the College of Science and Health core requirements.

Curriculum

93-105 credits including clinical phase

Pre-professional curriculum (39-46 credits)

All pre-clinical lab science program majors are strongly encouraged to take CLI 120 Introduction to Clinical Laboratory Science.

Biology Core

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 105</td>
<td>General Biology 1</td>
<td>4</td>
</tr>
<tr>
<td>BIO 306</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIO 312</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BIO 313</td>
<td>Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
</tbody>
</table>

Chemistry Core

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 103</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>CHM 104</td>
<td>General Chemistry II</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 300</td>
<td>Survey of Organic Chemistry</td>
</tr>
<tr>
<td>CHM 303</td>
<td>Organic Chemistry Theory I</td>
</tr>
<tr>
<td>&amp; CHM 304</td>
<td>and Organic Chemistry Theory II</td>
</tr>
<tr>
<td>&amp; CHM 305</td>
<td>and Organic Chemistry Laboratory</td>
</tr>
</tbody>
</table>

Microbiology Core

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIC 230</td>
<td>Fundamentals of Microbiology</td>
</tr>
</tbody>
</table>

Mathematics Core

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 145</td>
<td>Elementary Statistics</td>
</tr>
<tr>
<td>MTH 150</td>
<td>College Algebra (or placement above MTH 150)</td>
</tr>
</tbody>
</table>

Total Credits: 39-46

1. Biology 103 may be substituted for BIO 105

Pre-clinical lab science program students must have completed a substantial portion of these requirements in the semester that they apply for formal admission to the clinical lab science program major. Students who lack only a few credits are encouraged to consult the clinical lab science program advisor to determine when they should apply.

Professional curriculum (54-59 credits)

Preclinical phase (on campus)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLI 395</td>
<td>Urinalysis and Body Fluids</td>
<td>2</td>
</tr>
<tr>
<td>CLI 410</td>
<td>Clinical Hematology</td>
<td>3</td>
</tr>
</tbody>
</table>

Degree requirements

All students must complete the general education, college core (waived for clinical laboratory science majors), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- Baccalaureate degree requirements (p. 320)

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course
requirements for a major or minor after the fourth week of the last semester of the senior year.)

4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.

5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).

6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)

7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Computational Science (CMP)

In many scientific disciplines, direct computation has become the tool of first choice for studying and simulating phenomena. Adequate preparation for graduate study in the sciences now includes a background in computation. Moreover, undergraduates seeking employment with corporations involved in applying science often find themselves confronted with day-to-day use of computational methods.

The minor in computational science provides students an opportunity to distinguish themselves by augmenting their scientific studies with a background in computation. Similarly, computer science and mathematics students will be provided a new option to study scientific applications of their fields. The computational science minor is highly interdisciplinary, combining the study of computer science and mathematics with the study of specific problems in the sciences and the computational methods required for their solution. This minor is one of a handful in the U.S. at this time.

Minor

• Computational science minor (p. 321)

Computational Science Minor

Minor requirements

(All colleges, excluding teacher certification programs)

34-39 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 120</td>
<td>Software Design I</td>
<td>4</td>
</tr>
<tr>
<td>CS 220</td>
<td>Software Design II</td>
<td>4</td>
</tr>
<tr>
<td>CMP 390</td>
<td>Survey of Computational Science</td>
<td>3</td>
</tr>
<tr>
<td>CMP 490</td>
<td>Senior Computational Science Project</td>
<td>2-3</td>
</tr>
<tr>
<td>MTH 207</td>
<td>Calculus I</td>
<td>5</td>
</tr>
</tbody>
</table>

MTH 208     Calculus II  4
or MTH 405   Statistical Methods  4

Additional requirements:

1. One two-semester introductory sequence in natural science (BIO, CHM, ESC or PHY) 12-16
2. Two courses in natural science (BIO, CHM, ESC, PHY) not from the same department as the preceding sequence
3. One computational science advanced elective from the student’s primary major department
4. One computational science advanced elective from outside the primary major department

Total Credits 34-39

Computer Science (CS)

College of Science and Health
Department Chair: Steven Senger
221 Wing Technology Center; 608.785.6805
Email: ssenger@uwlaus.edu

http://www.cs.uwlaus.edu/

You don’t have to be an expert with computers to be a computer science major! However, if you are a logical thinker and like to solve problems this may be the major for you. The curriculum for a computer science major at UW-La Crosse is both exciting and demanding. What will you do with the knowledge you’ve learned? You will become a world class problem solver. After learning the fundamental material in computer software, hardware and the theory of computing, you will be finding ways to make life better for people. Software is an integral part of our society in both visible and invisible ways. Take a look at some of the modern conveniences of our life; iPods, cell phones, video games, medical imaging systems, and engines. As you can see, the way we interact with information through software leaves very little that computer science does not touch.

With that said, we think there is no better place to pursue your degree than UW-La Crosse. Small class sizes and accessible professors give students a level of attention not available on larger campuses. We have outstanding faculty who have many different interests, but who all share a love for teaching. A history of talented students, great facilities and undergraduate research opportunities, make for an ideal learning environment. The Department of Computer Science at UW-La Crosse is the second oldest in Wisconsin, only behind Madison, and has a fine reputation within the computing industry during the past 30 years.

The job market for computer scientists has always had plenty of opportunities and the demand continues. The National Bureau of Labor Statistics, in its rolling ten-year horizon Occupational Outlook Handbook, consistently projects the software industry to be among the fastest growing sectors of the economy.

If you would like to find out more about computing, check out the Association for Computing Machinery’s (ACM) “Computing, Degrees and Careers. (http://computingcareers.acm.org)”

Retroactive credits

Students taking CS 220 Software Design II (4 cr.) and earning a “B” or better, will be given retroactive credit for CS 120 Software Design I (4 cr.) provided that the student’s transcript shows no record of prior or concurrent enrollment in CS 120 or CS 220.
Internships
Students majoring in computer science who wish to enroll in CEI 450 Cooperative Education/Internship (1-15 cr.) or CEI 475 University-wide Cooperative Education Internship (3-15 cr.), University Internships, must have completed 15 credits of computer science course work, including CS 220, and must have a minimum GPA of 2.50 in computer science courses to be eligible for departmental approval and supervision. Credits earned in internships do not apply to major or minor requirements.

General education writing emphasis
This department incorporates a significant amount of writing through the required courses instead of identifying particular courses as writing emphasis courses. Students who complete a major in this department will fulfill the general education writing emphasis requirement (p. 50).

Our people
Professor
Kenny Hunt
Kasilingam Periyasamy
David Riley
Steven Senger

Associate Professor
Thomas Gendreau
Mao Zheng

Assistant Professor
Martin Allen
Andrew Berns
Samantha Foley
Joshua Hursey
Bradley Shutters

Administrative Support
Becky Yoshizumi

Majors
• Computer science major - BS (p. 322)
• Computer science major - computer engineering technology emphasis - BS (p. 323)
• Computer science education (p. 324)(early adolescence-adolescence certification) - BS
• Dual degree program in computer science and engineering (p. 325)
• Dual degree program in computer science and master of software engineering (p. 326)

Minors
• Computer science minor (p. 328)
• Computer science education minor (p. 328)

Computer Science Major - Bachelor of Science (BS)

Major requirements
(All colleges, excluding teacher certification programs)
44 credits (53 total credits including MTH requirements)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 120</td>
<td>Software Design I</td>
<td>4</td>
</tr>
<tr>
<td>CS 220</td>
<td>Software Design II</td>
<td>4</td>
</tr>
<tr>
<td>CS 225</td>
<td>Discrete Computational Structures</td>
<td>3</td>
</tr>
<tr>
<td>CS 270</td>
<td>Assembler Programming and Introduction to Computer Organization</td>
<td>3</td>
</tr>
<tr>
<td>CS 340</td>
<td>Software Design III: Abstract Data Types</td>
<td>3</td>
</tr>
<tr>
<td>CS 341</td>
<td>Software Design IV: Software Engineering</td>
<td>3</td>
</tr>
<tr>
<td>CS 370</td>
<td>Computer Architecture</td>
<td>3</td>
</tr>
<tr>
<td>CS 421</td>
<td>Programming Language Concepts</td>
<td>3</td>
</tr>
<tr>
<td>CS 441</td>
<td>Operating System Concepts</td>
<td>3</td>
</tr>
<tr>
<td>CS 442</td>
<td>Structures of Compilers</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

Total Credits 44

1 may substitute MTH 225 for CS 225.

The 44 credits must include no less than 27 credits of 300/400 level courses. PHY 335, MTH 317 and/or MTH 371 may be used as part of the 44 credit major.

In addition to the 44 credits, MTH 207 Calculus I (5 cr.) and MTH 208 Calculus II (4 cr.) must be taken.

Degree requirements
All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• College core (p. 322)
• Baccalaureate degree requirements (p. 323)

SAH Bachelor of Science core requirements
B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.
For the Bachelor of Science degree, students must complete a major from the college plus:

- a minor (or a second major) from any college or
- 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Computer Science Major
- Computer Engineering Technology Emphasis - Bachelor of Science (BS)

Major requirements

Students must have completed the Associate in Applied Science degree requirements for electronic and computer engineering technology at Western Technical College (Western) with a GPA of 3.0 or above.

42 credits (51 credits including MTH requirements)

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 120</td>
<td>Software Design I</td>
<td>4</td>
</tr>
</tbody>
</table>

or both CS1-Java I (Western-152 153) & Game Development I (Western-152 181)

Select two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 220</td>
<td>Software Design II</td>
<td>4</td>
</tr>
<tr>
<td>CS 225</td>
<td>Discrete Computational Structures</td>
<td>3</td>
</tr>
<tr>
<td>CS 270</td>
<td>Assembler Programming and Introduction to Computer Organization</td>
<td>3</td>
</tr>
</tbody>
</table>

The 42 credits must include no less than 24 credits of 300/400 level courses. PHY 335, MTH 317 and/or MTH 371 may be used as part of the 42 credit major. Game Development II (Western-152 182) may be completed at Western in place of CS 224. In addition, MTH 207 Calculus I (5 cr.) and MTH 208 Calculus II (4 cr.) must be taken.

Students completing this program are not subject to the College of Science and Health requirement for an academic minor or 18 credits of course work at the 300/400 level in courses outside the major.

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- Baccalaureate degree requirements (p. 323)

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level
that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.

5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).

6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)

7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

**Computer Science Education (Early Adolescence-Adolescence Certification) - Bachelor of Science (BS)**

**Major requirements**

Admission requirements for STEP Program (p. 403)

(Teacher certification program: early-adolescence-adolescence certification)

42 credits (51 total credits including MTH requirements)

<table>
<thead>
<tr>
<th>Major Core</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 120 Software Design I</td>
<td>4</td>
</tr>
<tr>
<td>CS 220 Software Design II</td>
<td>4</td>
</tr>
<tr>
<td>CS 225 Discrete Computational Structures</td>
<td>3</td>
</tr>
<tr>
<td>CS 270 Assembler Programming and Introduction to Computer Organization</td>
<td>3</td>
</tr>
<tr>
<td>CS 340 Software Design III: Abstract Data Types</td>
<td>3</td>
</tr>
<tr>
<td>CS 341 Software Design IV: Software Engineering</td>
<td>3</td>
</tr>
<tr>
<td>CS 370 Computer Architecture</td>
<td>3</td>
</tr>
<tr>
<td>CS 421 Programming Language Concepts</td>
<td>3</td>
</tr>
<tr>
<td>or CS 441 Operating System Concepts</td>
<td>3</td>
</tr>
<tr>
<td>MTH 421 Teaching and Learning Mathematics and Computer Science in the Secondary School</td>
<td>4</td>
</tr>
<tr>
<td>Electives</td>
<td>12</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>42</strong></td>
</tr>
</tbody>
</table>

1 May substitute MTH 225 for CS 225.

In addition to the 42 credits, MTH 207 Calculus I (5 cr.) and MTH 208 Calculus II (4 cr.) are required.

Additional teacher education requirements are listed in the STEP program core (p. 403).

**Degree requirements**

All students must complete the general education, college core (waived for teacher certification programs), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- Baccalaureate degree requirements (p. 324)

**Baccalaureate degrees**

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.
Dual Degree Program in Computer Science and Engineering

Major requirements

Students with a computer science major who also are interested in engineering are able to receive both a Bachelor of Science degree (computer science major) from UW-La Crosse and a Bachelor of Science degree (engineering major) from UW-Madison. At UW-La Crosse, students must complete a minimum of 85 credits, including the general education requirements and specific math and science courses in preparation for the engineering program. Students are recommended to include the following courses in their work at UW-La Crosse:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 103</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CS 120</td>
<td>Software Design I</td>
<td>4</td>
</tr>
<tr>
<td>CS 220</td>
<td>Software Design II</td>
<td>4</td>
</tr>
<tr>
<td>CS 224</td>
<td>Introduction to Programming Language</td>
<td>1-3</td>
</tr>
<tr>
<td>CS 225</td>
<td>Discrete Computational Structures</td>
<td>3</td>
</tr>
<tr>
<td>CS 270</td>
<td>Assembler Programming and Introduction to Computer Organization</td>
<td>3</td>
</tr>
<tr>
<td>CS 340</td>
<td>Software Design III: Abstract Data Types</td>
<td>3</td>
</tr>
<tr>
<td>CS 341</td>
<td>Software Design IV: Software Engineering</td>
<td>3</td>
</tr>
<tr>
<td>CS 370</td>
<td>Computer Architecture</td>
<td>3</td>
</tr>
<tr>
<td>CS 421</td>
<td>Programming Language Concepts</td>
<td>3</td>
</tr>
<tr>
<td>CS 441</td>
<td>Operating System Concepts</td>
<td>3</td>
</tr>
<tr>
<td>CS 442</td>
<td>Structures of Compilers</td>
<td>3</td>
</tr>
<tr>
<td>ECO 110</td>
<td>Microeconomics and Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>ECO 120</td>
<td>Global Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 336</td>
<td>Women in the U.S. Economy (ES)</td>
<td>3</td>
</tr>
<tr>
<td>MTH 207</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MTH 208</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MTH 245</td>
<td>Probability and Statistics</td>
<td>4</td>
</tr>
<tr>
<td>MTH 309</td>
<td>Linear Algebra with Differential Equations</td>
<td>4</td>
</tr>
<tr>
<td>MTH 371</td>
<td>Introduction to Numerical Methods</td>
<td>3</td>
</tr>
<tr>
<td>PHY 203</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHY 204</td>
<td>General Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHY 250</td>
<td>Modern Physics</td>
<td>3</td>
</tr>
</tbody>
</table>

Students should consult with the computer science department chair for specific course and sequence advising for this agreement.

Students who express interest in the dual degree program will be selected for entrance into the UW-Madison portion of the program based on their GPA in all course work; their GPA in the chemistry, computer science, mathematics, and physics course work required by the program; and the positive recommendation of the UW-La Crosse computer science department chair (or designee). Qualified UW-La Crosse applicants are assured admission in the College of Engineering at UW-Madison.

In order to receive the B.S. degree by UW-L can take place as soon as the student earns the necessary credits.

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 325)
- Baccalaureate degree requirements (p. 325)

SAH Bachelor of Science core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

For the Bachelor of Science degree, students must complete a major from the college plus:

- a minor (or a second major) from any college or
- 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA.1 At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA1 in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her
complete the following by the end of their junior year:

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Dual Degree Program in Computer Science and Master of Software Engineering

Students with a computer science major who are also interested in software engineering are able to receive both a Bachelor of Science (BS) in Computer Science and a Master of Software Engineering (MSE) from UW-La Crosse.

Students may be accepted into the dual degree program anytime before they have completed seventy-five undergraduate credits. Applicants for undergraduate admission to UW-L may request admission into the dual degree program. In order to remain in the program students must maintain a 3.00 GPA. Award of the BS degree will occur upon completion of 120 credits, the CS major requirements, the SAH college requirements, and the general university requirements. Students must have graduate student status prior to registering for their fourth graduate course (normally in the second semester of their senior year.) Award of the MSE degree will occur after the completion of the BS and MSE requirements.

Major requirements

The dual degree program in CS and Master of Software Engineering enables a UW-L student to earn both a Bachelor of Science degree with a computer science major and a Master of Software Engineering (MSE) degree in five years. Students in this dual degree program should complete the following by the end of their junior year:

During the senior year, students should complete:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 546</td>
<td>Object-Oriented Software Development</td>
<td>3</td>
</tr>
<tr>
<td>CS 741</td>
<td>Software Engineering Principles</td>
<td>3</td>
</tr>
<tr>
<td>CS 742</td>
<td>Formal Methods in Software Development</td>
<td>3</td>
</tr>
<tr>
<td>CS 743</td>
<td>Software Verification and Validation</td>
<td>3</td>
</tr>
<tr>
<td>Select three or six graduate level MSE electives</td>
<td>3-6</td>
<td></td>
</tr>
</tbody>
</table>

In the fifth year, students should complete:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 744</td>
<td>Management Issues in Software Engineering</td>
<td>3</td>
</tr>
<tr>
<td>Graduate level MSE electives</td>
<td>3-6</td>
<td></td>
</tr>
</tbody>
</table>

Capstone project

CS 546 and CS 741 will count toward the 44 credit hours of computer science courses required for the BS degree. CS 742, CS 743, CS 744, 12 credits of CS 798 (capstone project), and nine credits of MSE electives will fulfill the MSE requirements.

Students may be accepted into the dual degree program anytime before they have completed 75 undergraduate credit hours. Applicants for undergraduate admission to UW-L may request admission into the dual degree program. In order to remain in the program students must maintain a 3.00 GPA. Award of the BS degree will occur upon completion of 120 credits, the CS major requirements, the SAH college requirements, and the general university requirements. Students must have graduate student status before registering for their fourth graduate course (normally in the second semester of their senior year). Award of the MSE degree will occur after the completion of the BS and MSE requirements.

Contact the Department of Computer Science (http://www.cs.uwlax.edu) for application information. See the online graduate catalog for more information about the MSE program (http://catalog.uwlax.edu/graduate/programrequirements/softwareengineering).

Courses offered at both the undergraduate and graduate levels can only be taken for credit at one level.

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 326)
- Baccalaureate degree requirements (p. 327)
- Master of Software Engineering requirements (http://catalog.uwlax.edu/graduate/programrequirements/softwareengineering/mse)

SAH Bachelor of Science core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE

1 may substitute MTH 225 for CS 225.
2 excluding CS 341
02). One of the two science courses must be from a department outside of the student’s major department.

**Note:** Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

For the Bachelor of Science degree, students must complete a major from the college plus:

- a minor (or a second major) from any college or
- 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

### Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

### Sample degree plan

This is a sample degree plan. It can be used as a guide for students to show them the courses they need to take to help them graduate as quickly as possible.

---

**Bachelor of Science in Computer Science/ Master of Software Engineering Dual Degree sample plan**

#### Year 1

<table>
<thead>
<tr>
<th>First semester</th>
<th>Credits</th>
<th>Second semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 120</td>
<td>4</td>
<td>CS 220</td>
<td>4</td>
</tr>
<tr>
<td>MTH 207</td>
<td>5</td>
<td>CS 225</td>
<td>3</td>
</tr>
<tr>
<td>Gen Ed elective</td>
<td>3</td>
<td>MTH 208</td>
<td>4</td>
</tr>
<tr>
<td>Gen Ed elective</td>
<td>2</td>
<td>Gen Ed</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Science elective</td>
<td></td>
</tr>
<tr>
<td>Gen Ed elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>17</td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

#### Year 2

<table>
<thead>
<tr>
<th>First semester</th>
<th>Credits</th>
<th>Second semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 270</td>
<td>3</td>
<td>CS 370</td>
<td>3</td>
</tr>
<tr>
<td>CS 340</td>
<td>3</td>
<td>CS elective</td>
<td>3</td>
</tr>
<tr>
<td>Gen Ed elective</td>
<td>3</td>
<td>Gen Ed</td>
<td>3</td>
</tr>
<tr>
<td>Gen Ed elective</td>
<td>2</td>
<td>Gen Ed</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>17</td>
<td>16</td>
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</tr>
</tbody>
</table>

#### Year 3

<table>
<thead>
<tr>
<th>First semester</th>
<th>Credits</th>
<th>Second semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 421</td>
<td>3</td>
<td>CS 442</td>
<td>3</td>
</tr>
<tr>
<td>CS 441</td>
<td>3</td>
<td>CS elective</td>
<td>3</td>
</tr>
<tr>
<td>Gen Ed elective</td>
<td>3</td>
<td>Gen Ed</td>
<td>3</td>
</tr>
<tr>
<td>Gen Ed elective</td>
<td>2</td>
<td>Gen Ed</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td>Gen Ed</td>
<td>3</td>
</tr>
<tr>
<td>Internship or elective</td>
<td>2</td>
<td>Internship or elective</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>17</td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

#### Year 4

<table>
<thead>
<tr>
<th>First semester</th>
<th>Credits</th>
<th>Second semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 741</td>
<td>3</td>
<td>CS 742</td>
<td>3</td>
</tr>
<tr>
<td>CS 743</td>
<td>3</td>
<td>CS 546</td>
<td>3</td>
</tr>
<tr>
<td>MSE elective</td>
<td>3</td>
<td>MSE elective</td>
<td>3</td>
</tr>
<tr>
<td>Gen Ed elective</td>
<td>3</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>18</td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

#### Additional year

<table>
<thead>
<tr>
<th>First semester</th>
<th>Credits</th>
<th>Second semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 798</td>
<td>6</td>
<td>CS 744</td>
<td>3</td>
</tr>
<tr>
<td>MSE elective</td>
<td>3</td>
<td>CS 798</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>9</td>
<td></td>
<td>9</td>
</tr>
</tbody>
</table>

Total Credits: 150

Students also have the option of taking general education courses during winter term (January between the semesters) and summer to reduce the load during regular semesters (fall and spring).

Additional UW-L and College of Science and Health core requirements may be required.
Computer Science Minor

(All colleges, excluding teacher certification programs)

23 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 120</td>
<td>Software Design I</td>
<td>4</td>
</tr>
<tr>
<td>CS 220</td>
<td>Software Design II</td>
<td>4</td>
</tr>
<tr>
<td>CS 225</td>
<td>Discrete Computational Structures 1</td>
<td>3</td>
</tr>
<tr>
<td>CS 340</td>
<td>Software Design III: Abstract Data Types</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>(at least six of the electives must be 300/400 level computer science courses)</td>
<td>9</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>23</strong></td>
</tr>
</tbody>
</table>

1 may substitute MTH 225 for CS 225.

PHY 335, MTH 317, and MTH 371 may be used as alternatives to computer science electives.

Computer Science Education Minor

(Teacher certification programs)

23 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 120</td>
<td>Software Design I</td>
<td>4</td>
</tr>
<tr>
<td>CS 220</td>
<td>Software Design II</td>
<td>4</td>
</tr>
<tr>
<td>CS 225</td>
<td>Discrete Computational Structures 1</td>
<td>3</td>
</tr>
<tr>
<td>CS 340</td>
<td>Software Design III: Abstract Data Types</td>
<td>3</td>
</tr>
<tr>
<td>CS 341</td>
<td>Software Design IV: Software Engineering</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>(at least three credits of electives must be 300/400 level computer science courses)</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>23</strong></td>
</tr>
</tbody>
</table>

1 May substitute MTH 225 for CS 225.

PHY 335, MTH 317 and MTH 371 may be used as alternatives to computer science electives.

Early adolescence-adolescence teacher certification candidates must also complete MTH 421.

Exercise and Sport Science (ESS)

College of Science and Health
Department Chair: Mark Gibson
124 Mitchell Hall; 608.785.8190
Email: mgibson@uwlaex.edu
www.uwlax.edu/sah/ess

With a reputation as one of the outstanding programs in the country, the UW-La Crosse Department of Exercise and Sport Science has a history of preparing quality professionals who are employed in all areas of the USA and around the world. With three areas of emphasis from which to choose, our graduates are well prepared to meet the challenges of a wide variety of careers.

Whether your interest is in teaching, coaching, fitness, or management, the Department of Exercise and Sport Science is committed to helping each student achieve his or her maximum potential. Each student is assigned a faculty adviser to assist with academic and career decisions. Our highly acclaimed “learn by doing” reputation is further enhanced by providing students with hands-on educational experiences in their area of choice. While maintaining a strong tradition in activities and the sciences, the department also emphasizes innovative programs and activities designed to maintain healthy, active life styles.

Center of Excellence in Physical Education

The Center of Excellence designation was awarded to the Department of Exercise and Sport Science by the Board of Regents of the University of Wisconsin System. The purpose of the center, which reflects the excellent reputation of the department, is to serve as a catalyst for maintaining faculty and curricular vitality while expanding the scope of comprehensive services provided to professionals in Wisconsin and throughout the nation. General goals are to provide in-service and expertise in emerging content areas and technology to physical educators and students in professional preparation programs; modify undergraduate and master’s curricula to incorporate recent trends and projected professional needs and expand research and public service components with special emphasis on assessment.

A three-dimensional professional preparation model was developed with the following foci:

1. Enhancing life span motor development;
2. Promoting the major purposes of professional preparation in physical education-prevention of injury or illness, skill enhancement, meaningful active living, and rehabilitation; and
3. Developing instruments for assessment of performance and programs.

Additional emphasis is placed on the importance of movement of young children and on age-related changes in active, older adults to develop and maintain efficient movement throughout the lifespan. The professional preparation programs within the Department of Exercise and Sport Science prepare graduates to assist individuals of all ages in developing meaningful, active lifestyles. Improving the level of skill in a wide variety of activities and promoting effective movement patterns will result in more active and healthy individuals in our society. For additional information regarding the Center of Excellence in Physical Education, please contact: Department Chair, Exercise and Sport Science, Mitchell Hall, University of Wisconsin-La Crosse, La Crosse, WI 54601 USA

Admission to programs

All majors in the Department of Exercise and Sport Science have admission standards and retention and advancement standards. Students are advised to become aware of the application criteria for their major and may refer to program websites for the most detailed information regarding these criteria and procedures. Meeting minimum criteria does not guarantee admission, as the department programs have competitive admission processes.

Exercise and sport science program transfer policy

Students transferring into the exercise and sport science programs must have a cumulative GPA of 2.50 or higher at the time of transfer.

General education writing emphasis

This department incorporates a significant amount of writing through the required courses instead of identifying particular courses as writing
emphasis courses. Students who complete a major in this department will fulfill the general education writing emphasis requirement (p. 50).

Our people

Professor
Carl Foster
Richard Mikat
John Porcari
Jeffrey Steffen
Garth Tymeson
Brian Udermann
Chia-Chen Yu

Associate Professor
Glenn Wright

Assistant Professor
Naoko Aminaka
Clayton Camic
Emmanuel Felix
Mark Gibson
Cordial Gillette
Brian Gordon
Teresa Hepler
Jooyeon Jin
Attila Kovacs
Kristin Mally
Amy Tischler

Senior Lecturer
Scott Doberstein
Lori Petersen

Lecturer
Kari Emineth
Barbara Gibson
Kathleen Gorman
Lillian Hallock
Melanie Healy
Patrick Healy
Lois Heeren

Christopher Helixon
Reed Hoskins
Charles King
David Malecek
Thomas Mickschl
Sheila Perkins
Debra Sazama
Kathryn Wagner
James White
Philip Whitesitt

Associate Lecturer
Christine Schultz

Laboratory Manager I
Christopher Dodge

Administrative Support
Jeanne Voss

Majors

• Athletic training - BS (p. 329)
• Exercise and sport science major: exercise science fitness track - BS (p. 331)
• Exercise and sport science major: exercise science pre-professional track - BS (p. 332)
• Exercise and sport science major: physical education - BS (p. 333)
• Exercise and sport science major: sport management emphasis - BS (p. 335)

Minor

• Adapted physical education teaching minor (p. 336)

Concentration

• Coaching competitive athletics concentration (p. 337)
• Strength and conditioning concentration (not currently accepting students)

Athletic Training - Bachelor of Science (BS)

The athletic training program at the University of Wisconsin-La Crosse was the first accredited athletic training program in the state of Wisconsin, and offers one of the most competitive, in-depth, and hands-on athletic training programs in the country. The Athletic Training Program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). The athletic training program has gained an excellent reputation for involving their athletic training students in various year-round athletic training opportunities.
Major requirements
(Science and Health)

Admission to program

Admission to the athletic training program is competitive and not all who apply can be accommodated. Admission requires an application/selection process for entry into ESS 181 Introduction to Sports Medicine (3 cr.). Enrollment in ESS 181 is limited to 35 candidates who will be considered for final selection into the program following completion of ESS 182 Prevention and Emergency Care for Athletic Trainers (3 cr.). Ten to fourteen (10-14) of the 35 candidates are selected at the end of the two-semester experience to enter the Commission on Accreditation of Athletic Training Education (CAATE) accredited undergraduate program. Application deadline for enrollment in ESS 181 is February 1 for consideration for each fall semester. Application materials may be obtained from the program website (http://www.uwlax.edu/athletictraining). Notification of acceptance into ESS 181 will be made by approximately April 1.

Students accepted to the athletic training educational program after the observational year may not participate in intercollegiate athletics secondary to scheduling conflicts with clinical and field experiences required in the educational program.

Consideration for selection into ESS 181 is based on the following criteria:

- Acceptance into the University of Wisconsin-La Crosse;
- Cumulative high school/university GPA;
- GPA in science and sports medicine related course work;
- SAT or ACT scores and rank in class;
- Strength of student’s athletic training commitment as reflected in letters of recommendation;
- Previous athletic training/sports medicine experience, extracurricular activities, and leadership experience.
- Evaluation of application by selection committee.

Retention and advancement

Students admitted into the athletic training education program must maintain a minimum 2.75 cumulative grade point average (GPA), a minimum of a 3.0 GPA in all course work in the major, and have clinical evaluation scores of 3.0 or above (5.0 scale). Failure to meet any one of these retention criteria requires the student to be on a probationary status. If the student does not meet all criteria in two consecutive semesters, the student will be removed from the program.

Curriculum

78 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPR 105</td>
<td>Creating A Healthy, Active Lifestyle</td>
<td>3</td>
</tr>
<tr>
<td>ESS 181</td>
<td>Introduction to Sports Medicine</td>
<td>3</td>
</tr>
<tr>
<td>ESS 182</td>
<td>Prevention and Emergency Care for Athletic Trainers</td>
<td>3</td>
</tr>
<tr>
<td>ESS 205</td>
<td>Human Anatomy and Physiology for Exercise Science I</td>
<td>3</td>
</tr>
<tr>
<td>ESS 206</td>
<td>Human Anatomy and Physiology for Exercise Science II</td>
<td>3</td>
</tr>
<tr>
<td>ESS 207</td>
<td>Human Motor Behavior</td>
<td>3</td>
</tr>
<tr>
<td>ESS 286</td>
<td>Athletic Training Clinical I</td>
<td>2</td>
</tr>
<tr>
<td>ESS 287</td>
<td>Athletic Training Clinical II</td>
<td>2</td>
</tr>
<tr>
<td>ESS 302</td>
<td>Physiology of Exercise</td>
<td>3</td>
</tr>
<tr>
<td>ESS 303</td>
<td>Biomechanics</td>
<td>3</td>
</tr>
<tr>
<td>ESS 323</td>
<td>Nutrition and Sport</td>
<td>3</td>
</tr>
<tr>
<td>ESS 349</td>
<td>Psychology of Coaching Competitive Athletics</td>
<td>2</td>
</tr>
<tr>
<td>ESS 368</td>
<td>Strength Training Techniques and Programs</td>
<td>3</td>
</tr>
<tr>
<td>ESS 378</td>
<td>Musculoskeletal Assessment of the Lower Body</td>
<td>4</td>
</tr>
<tr>
<td>ESS 379</td>
<td>Musculoskeletal Assessment of the Upper Body</td>
<td>4</td>
</tr>
<tr>
<td>ESS 383</td>
<td>Clinical Pathology for Exercise Science</td>
<td>3</td>
</tr>
<tr>
<td>ESS 386</td>
<td>Athletic Training Clinical III</td>
<td>2</td>
</tr>
<tr>
<td>ESS 387</td>
<td>Athletic Training Clinical IV</td>
<td>2</td>
</tr>
<tr>
<td>ESS 400</td>
<td>Pharmacology in Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>ESS 450</td>
<td>Exercise and Sport Science Internship</td>
<td>8-12</td>
</tr>
<tr>
<td>ESS 481</td>
<td>Therapeutic Modalities for Athletic Training</td>
<td>4</td>
</tr>
<tr>
<td>ESS 483</td>
<td>Administration of Athletic Training Programs</td>
<td>3</td>
</tr>
<tr>
<td>ESS 484</td>
<td>Rehabilitation Techniques for Athletic Trainers</td>
<td>4</td>
</tr>
<tr>
<td>ESS 485</td>
<td>Current Readings/Research in Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>ESS 486</td>
<td>Athletic Training Clinical V</td>
<td>2</td>
</tr>
</tbody>
</table>

Total Credits 78

1 This course may apply to the general education requirements.

Athletic training majors are advised to take BIO 105 General Biology (4 cr.) in order to satisfy prerequisites for other courses.

Degree requirements

All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- Baccalaureate degree requirements (p. 330)

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter
Exercise Science Program Director in the Department of Exercise and Sport Science.

For complete details regarding application procedures, contact the Exercise Science Program Director in the Department of Exercise and Sport Science.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Exercise and Sport Science

Major: Exercise Science Fitness

Track - Bachelor of Science (BS)

Major requirements

College of Science and Health

Admission to program

Admission to the exercise science emphasis is competitive and not all who apply may be accommodated.

1. To be considered for admission to the exercise and sport science major: exercise science emphasis, the student must have completed at least 30 semester credits, including general education credits and two pre-admission courses (BIO 103 or BIO 105 or MIC 100 and HPR 105) with a grade of at least "C" in each of these courses and a cumulative GPA of at least 2.75.

2. Applications are due October 1 to be considered for admission to the program for fall semester. All candidates must meet academic requirements, physical fitness standards and professional and personal qualifications and be approved by the Exercise Science Selection Committee. Consideration for selection is based on the following criteria:
   a. Cumulative and major GPA;
   b. Fitness evaluation;
   c. Professional site visitations/observations;
   d. Extra-curricular experiences related to the emphasis;
   e. Writing skills; and
   f. Interview (fitness track only).

Retention and advancement

1. Once admitted, a 2.75 GPA (cumulative and major) must be maintained and a "C" grade or better must be earned in all required and elective major courses for retention in the program. Students whose GPA falls below 2.75 will be placed on probation for one semester. Failure to achieve a 2.75 GPA (cumulative and major) by the end of the probation semester will result in ineligibility to continue in the program.

2. To be admitted to ESS 450 Exercise and Sport Science Internship, students must achieve a 2.75 cumulative and major GPA and have successfully completed all program course work.

For complete details regarding application procedures, contact the Exercise Science Program Director in the Department of Exercise and Sport Science.

Curriculum

69 credits

Core courses:

(required for all ESS-exercise science emphasis students)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESS 100</td>
<td>Physical Activities (6 courses/1 cr. each)</td>
<td>6</td>
</tr>
<tr>
<td>ESS 201</td>
<td>Safety, First Aid and CPR</td>
<td>1</td>
</tr>
<tr>
<td>ESS 207</td>
<td>Human Motor Behavior</td>
<td>3</td>
</tr>
<tr>
<td>ESS 281</td>
<td>Prevention and Care of Athletic Injuries</td>
<td>2</td>
</tr>
<tr>
<td>ESS 302</td>
<td>Physiology of Exercise</td>
<td>3</td>
</tr>
<tr>
<td>ESS 303</td>
<td>Biomechanics</td>
<td>3</td>
</tr>
<tr>
<td>ESS 320</td>
<td>Field Experience in Exercise Science or Sport Management</td>
<td>3</td>
</tr>
<tr>
<td>ESS 323</td>
<td>Nutrition and Sport</td>
<td>3</td>
</tr>
<tr>
<td>ESS 368</td>
<td>Strength Training Techniques and Programs</td>
<td>3</td>
</tr>
<tr>
<td>ESS 446</td>
<td>Current Research and Trends in Exercise Science</td>
<td>3</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>30</td>
</tr>
</tbody>
</table>

Fitness track courses (39 credits):

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESS 205 &amp; ESS 206</td>
<td>Human Anatomy and Physiology for Exercise Science I and Human Anatomy and Physiology for Exercise Science II</td>
<td>6</td>
</tr>
<tr>
<td>BIO 312 &amp; BIO 313</td>
<td>Human Anatomy and Physiology I and Human Anatomy and Physiology II</td>
<td>6</td>
</tr>
<tr>
<td>ESS 309</td>
<td>Strength Training Clinical</td>
<td>2</td>
</tr>
<tr>
<td>ESS 344</td>
<td>Introduction to Fitness Assessment</td>
<td>3</td>
</tr>
<tr>
<td>ESS 355</td>
<td>Methods of Exercise Leadership</td>
<td>3</td>
</tr>
<tr>
<td>ESS 403</td>
<td>Advanced Strength Training Applications and Techniques</td>
<td>2</td>
</tr>
<tr>
<td>ESS 411</td>
<td>Strength and Conditioning Educator Training</td>
<td>2</td>
</tr>
<tr>
<td>ESS 443</td>
<td>Fitness Across the Lifespan</td>
<td>3</td>
</tr>
<tr>
<td>ESS 447</td>
<td>Administration in Fitness and Sport</td>
<td>3</td>
</tr>
<tr>
<td>ESS 449</td>
<td>Seminar in Fitness/Sports Management</td>
<td>1</td>
</tr>
<tr>
<td>ESS 450</td>
<td>Exercise and Sport Science Internship</td>
<td>8-12</td>
</tr>
<tr>
<td>CST 260</td>
<td>Professional Communication</td>
<td>3</td>
</tr>
<tr>
<td>or ENG 307</td>
<td>Writing for Management, Public Relations and the Professions</td>
<td>3</td>
</tr>
<tr>
<td>MKT 309</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>39</td>
</tr>
</tbody>
</table>

General education requirements

Exercise and sport science majors with the exercise science emphasis are required to take HPR 105. Students that select the fitness track must also take BIO 103 or BIO 105 or MIC 100 (BIO 103 or MIC 100 recommended). Additional general education courses must also be selected to complete all category requirements and to meet the university minimum requirement of 48 total credit hours in general education.

Degree requirements

All students must complete the general education, college core (waived for exercise and sport science: exercise science fitness track majors), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer
to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- Baccalaureate degree requirements (p. 332)

**Baccalaureate degrees**

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

**Exercise and Sport Science Major: Exercise Science Pre-Professional Track - Bachelor of Science**

**Major requirements**

(College of Science and Health)

**Admission to program**

Admission to the exercise science emphasis is competitive and not all who apply may be accommodated.

1. To be considered for admission to the exercise and sport science major: exercise science emphasis, the student must have completed at least 30 semester credits, including general education credits and two pre-admission courses (BIO 103 or BIO 105 or MIC 100 and HPR 105) with a grade of at least "C" in each of these courses and a cumulative GPA of at least 2.75.

2. Applications are due October 1 to be considered for admission to the program spring semester or February 1 to be considered for admission to the program for fall semester. All candidates must meet academic requirements, physical fitness standards and professional and personal qualifications and be approved by the Exercise Science Selection Committee. Consideration for selection is based on the following criteria:
   a. Cumulative and major GPA;
   b. Fitness evaluation;
   c. Professional site visitations/observations;
   d. Extra-curricular experiences related to the emphasis;
   e. Writing skills.

**Retention and advancement**

1. Once admitted, a 2.75 GPA (cumulative and major) must be maintained and a "C" grade or better must be earned in all required and elective major courses for retention in the program. Students whose GPA falls below 2.75 will be placed on probation for one semester. Failure to achieve a 2.75 GPA (cumulative and major) by the end of the probation semester will result in ineligibility to continue in the program.
2. To be admitted to ESS 450 Exercise and Sport Science Internship, students must achieve a 2.75 cumulative and major GPA and have successfully completed all program course work.

For complete details regarding application procedures, contact the Exercise Science Program Director in the Department of Exercise and Sport Science.

**Curriculum**

(60-61 credits for the pre-professional track)

**Pre-professional track courses:**

**Core courses:**

(required for all ESS-exercise science emphasis students)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESS 100</td>
<td>Physical Activities (6 courses/1 cr. each)</td>
<td>6</td>
</tr>
<tr>
<td>ESS 201</td>
<td>Safety, First Aid and CPR</td>
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</tr>
<tr>
<td>ESS 207</td>
<td>Human Motor Behavior</td>
<td>3</td>
</tr>
<tr>
<td>ESS 281</td>
<td>Prevention and Care of Athletic Injuries</td>
<td>2</td>
</tr>
<tr>
<td>ESS 302</td>
<td>Physiology of Exercise</td>
<td>3</td>
</tr>
<tr>
<td>ESS 303</td>
<td>Biomechanics</td>
<td>3</td>
</tr>
<tr>
<td>ESS 320</td>
<td>Field Experience in Exercise Science or Sport Management</td>
<td>3</td>
</tr>
<tr>
<td>ESS 323</td>
<td>Nutrition and Sport</td>
<td>3</td>
</tr>
<tr>
<td>ESS 368</td>
<td>Strength Training Techniques and Programs</td>
<td>3</td>
</tr>
<tr>
<td>ESS 446</td>
<td>Current Research and Trends in Exercise Science</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td>30</td>
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</tbody>
</table>

**Required courses (12 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESS 383</td>
<td>Clinical Pathology for Exercise Science</td>
<td>3</td>
</tr>
<tr>
<td>BIO 312</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BIO 313</td>
<td>Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>CHE 460</td>
<td>Medical Terminology for Health Education</td>
<td>1</td>
</tr>
</tbody>
</table>

**SAH college curriculum (12-13 credits)**
from the college plus:

For the Bachelor of Science

use two science courses from the same department.

Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can

Note:

of the student's major department.

02). One of the two science courses must be from a department outside

math/logical systems category of the general education requirements (GE

courses or one math course and one computer science course from the

PHY 104, or PHY 103. and they either must take two mathematics

courses or one math course and one computer science course from the

mth/logical systems category of the general education requirements (GE

One of the two science courses must be from a department outside

of the student's major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can

use two science courses from the same department.

For the Bachelor of Science degree, students must complete a major

from the college plus:

• a minor (or a second major) from any college or
• 18 credits at the 300/400 level in courses outside the major
department from any college. Internship credits generally do not count
toward this college core option.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees
must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum
Committee for the degree desired in the respective school or
college. (No substitutions for graduation may be made in course
requirements for a major or minor after the fourth week of the last
semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00
 cumulative GPA. At least 40 credits must be earned in 300/400
(senior college) level courses. Courses earned at the 100/200 level
that transferred to UW-L as 300/400 level courses do not apply to
this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00
 GPA in each major and minor (and concentration or emphasis, if
selected).
6. A minimum of 30 semester credits in residence at UW-L is required
for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS
Student Center as soon as the student has registered for his or her
final semester or summer term in residence. December and winter
intersession graduates should file by May 1. May and summer
graduates should file by December 1.

SAH Bachelor of Science core
requirements

B.S. and B.A. students graduating from the College of Science and
Health are required to take two natural laboratory science courses
selected from the general education laboratory science category (GE 05)
and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222,
PHY 104, or PHY 204, and they either must take two mathematics
courses or one math course and one computer science course from the
math/logical systems category of the general education requirements (GE
02). One of the two science courses must be from a department outside
of the student's major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can
use two science courses from the same department.

For the Bachelor of Science degree, students must complete a major
from the college plus:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 104</td>
<td>General Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>PHY 104</td>
<td>Fundamental Physics II</td>
<td>4</td>
</tr>
<tr>
<td>Select a BIO or MIC course</td>
<td></td>
<td>3-4</td>
</tr>
</tbody>
</table>

Students must complete a minor (or second major) from any college
or an additional 18 credits at the 300/400 level outside of ESS (not
including internship credit)

Psychology (3 credits)

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 100</td>
<td>General Psychology</td>
</tr>
<tr>
<td>PSY 212</td>
<td>Lifespan Development</td>
</tr>
</tbody>
</table>

Any 3 credits of PSY course work transferred from another institution

Select any 3 credit sociology course | 3

Total Credits | 30-31

1 not including BIO 105, BIO 312, or BIO 313

Students must complete at least 40 credits in the 300/400 level
range.

General education requirements

Exercise and sport science majors with the exercise science emphasis
are required to take HPR 105. Students that select the pre-professional
track must also take BIO 105, CHM 103, MTH 145, a second math
course at the 150 level or higher or CS 101 or CS 120; and PHY 103.
Additional general education courses must also be selected to
complete all category requirements and to meet the university minimum
requirement of 48 total credit hours in general education.

Degree requirements

All students must complete the general education, college core, major/
minor, and university degree requirements in order to qualify for a
degree. The easiest way to track all of these requirements is to refer to
the Advisement Report (AR) found in the Student Information System
(WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• College core (p. 333)
• Baccalaureate degree requirements (p. 333)

Exercise and Sport Science
Major: Physical Education -
Bachelor of Science (BS)

Major requirements

(Teacher certification programs)

Admission to PETE Program

Admission to the Physical Education Teacher Education Program (PETE)
is competitive and successful completion of application requirements
does not guarantee admission into the PETE program. Students who
wish to be considered for acceptance into the program will be evaluated
using the following criteria:

1. Physical fitness assessment reflection.
2. Grade point average in foundation courses
Retention and advancement

Students admitted into the PETE program must maintain a 2.75 grade point average, and must successfully complete portfolio requirements. In order to enroll in student teaching and clinical courses, students must have earned and maintained a 2.75 combined cumulative GPA and a 2.75 GPA in the major, minor, concentration, and professional course work. Passing scores for the PRAXIS II Subject Assessment are required in each certification area prior to entering student teaching.

Aquatics and first aid certification

Exercise and sport science teaching majors must possess a current Water Safety Instructor (WSI) and American Red Cross First Aid or equivalent agency certification prior to student teaching.

Curriculum

78-81 credits

Professional requirements

<table>
<thead>
<tr>
<th>First year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESS 112</td>
<td>4</td>
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<tr>
<td>ESS 118</td>
<td>2</td>
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<tr>
<td>ESS 121</td>
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<table>
<thead>
<tr>
<th>Sophomore year</th>
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<tr>
<td>ESS 205</td>
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<tr>
<td>ESS 206</td>
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<tr>
<td>ESS 207</td>
<td>3</td>
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<tr>
<td>ESS 225</td>
<td>3</td>
</tr>
<tr>
<td>ESS 231</td>
<td>3</td>
</tr>
<tr>
<td>ESS 258</td>
<td>3</td>
</tr>
<tr>
<td>ESS 261</td>
<td>2</td>
</tr>
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<td></td>
<td>20</td>
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</table>

<table>
<thead>
<tr>
<th>Junior year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESS 302</td>
<td>3</td>
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<tr>
<td>ESS 303</td>
<td>2-3</td>
</tr>
<tr>
<td>ESS 310</td>
<td>2</td>
</tr>
<tr>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Senior year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDS 494</td>
<td>9-15</td>
</tr>
<tr>
<td>PSY 370</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 60-61

Teacher education requirements

EDS 494 Student Teaching: Early Adolescence-Adolescence/Early Childhood Adolescence

PSY 370 Educational Psychology (statutory requirements)

Total Credits 12-18

1 This course may apply to the general education requirements.

Physical education teacher certification majors and minors are required to take BIO 103 Introductory Biology (4 cr.) or BIO 105 General Biology (4 cr.), or MIC 100 Microbes and Society (4 cr.), and HPR 105 Creating A Healthy, Active Lifestyle (3 cr.) to meet prerequisite requirements for advanced courses. It is recommended that all incoming first years wishing to major in exercise and sport science-physical education teacher certification enroll in ESS 112 Fundamentals of Movement (4 cr.) and ESS 118 Introduction to Physical Education Teaching Profession (2 cr.) during their first year at UW-L.

Teacher certification candidates should refer to additional teacher education policies identified in the School of Education section (http://www.uwlax.edu/soe) of this catalog. These policies apply to students in all teacher certification programs. The School of Education website (http://www.uwlax.edu/soe) also has additional information.

Degree requirements

All students must complete the general education, college core (waived for teacher certification programs), major, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- Baccalaureate degree requirements (p. 334)

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course
requirements for a major or minor after the fourth week of the last semester of the senior year.)

4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. 1 At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.

5. Complete major and minor requirements with at least a 2.00 GPA 1 in each major and minor (and concentration or emphasis, if selected).

6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)

7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Exercise and Sport Science: Sport Management Emphasis - Bachelor of Science (BS)

Major requirements

(College of Science and Health)

Admission to program

Admission to the sport management emphasis is competitive and not all who apply may be accommodated. From those applying each year, approximately 30 will be admitted into the sport management emphasis. To be considered for admission to the exercise and sport science major: sport management emphasis, the student must have:

1. Completed or be "in progress" of completing at least 30 semester credits, including general education credits and the three preadmission core courses (BIO 103 or BIO 105 or MIC 100; CS 101 or CT 100 or IS 220; ESS 110) with a grade of at least "C" in each of these core courses.

2. A cumulative UW-L GPA of 2.75.

3. Applications are due October 1 to be considered for admission to the program spring semester or February 1 to be considered for admission to the program for fall semester. All candidates must meet academic, professional involvement, and personal qualifications and be approved by the Sport Management Advisory Board. Consideration for selection is based on the following criteria:
   a. Cumulative UW-L GPA;
   b. Professional involvement;
   c. Professional site visitations/observations/work experiences;
   d. Writing skills; and
   e. Interview.

Retention and advancement

1. Once admitted, a 2.75 GPA (cumulative and major) must be maintained and a "C" grade or better must be earned in all required and elective major courses for retention in the program. Students whose GPA falls below 2.75 will be placed on program probation for one semester. Failure to achieve a 2.75 GPA (cumulative and major) by the end of the probation semester will result in ineligibility to continue in the program.

2. To be admitted to ESS 450 Exercise and Sport Science Internship, students must achieve a 2.75 cumulative and major GPA and have successfully completed all program course work.

For complete details regarding application procedures, contact the Sport Management Program Director in the Department of Exercise and Sport Science.

Curriculum

62 credits

Core courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESS 110</td>
<td>Introduction to Sport Management</td>
<td>2</td>
</tr>
<tr>
<td>ESS 205</td>
<td>Human Anatomy and Physiology for Exercise Science I</td>
<td>3</td>
</tr>
<tr>
<td>ESS 206</td>
<td>Human Anatomy and Physiology for Exercise Science II</td>
<td>3</td>
</tr>
<tr>
<td>ESS 320</td>
<td>Field Experience in Exercise Science or Sport Management</td>
<td>3</td>
</tr>
<tr>
<td>ESS 407</td>
<td>Sport Management and Society</td>
<td>3</td>
</tr>
<tr>
<td>ESS 410</td>
<td>Legal Implications of Sport and Activity</td>
<td>2</td>
</tr>
<tr>
<td>ESS 421</td>
<td>Sport Operations Management/Event and Venue Management</td>
<td>3</td>
</tr>
<tr>
<td>ESS 432</td>
<td>Financial Aspects of Sport</td>
<td>3</td>
</tr>
<tr>
<td>ESS 445</td>
<td>Facility Management in Sport</td>
<td>3</td>
</tr>
<tr>
<td>ESS 447</td>
<td>Administration in Fitness and Sport</td>
<td>3</td>
</tr>
<tr>
<td>ESS 448</td>
<td>Promotion and Development of Fitness and Sport Programs</td>
<td>3</td>
</tr>
<tr>
<td>ESS 449</td>
<td>Seminar in Fitness/Sports Management</td>
<td>1</td>
</tr>
<tr>
<td>ESS 450</td>
<td>Exercise and Sport Science Internship</td>
<td>12</td>
</tr>
<tr>
<td>ACC 221</td>
<td>Accounting Principles I</td>
<td>3</td>
</tr>
<tr>
<td>MGT 308</td>
<td>Behavior and Theory in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>MKT 309</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>CST 260</td>
<td>Professional Communication</td>
<td>3</td>
</tr>
<tr>
<td>ECO 320</td>
<td>Economics of Sports</td>
<td>3</td>
</tr>
<tr>
<td>or MKT 370</td>
<td>Professional Selling and Sales Management</td>
<td></td>
</tr>
</tbody>
</table>

Elective courses

Select three credits of the following: 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ESS 201</td>
<td>Safety, First Aid and CPR</td>
</tr>
<tr>
<td>ESS 281</td>
<td>Prevention and Care of Athletic Injuries</td>
</tr>
<tr>
<td>ESS 302</td>
<td>Physiology of Exercise</td>
</tr>
<tr>
<td>ESS 303</td>
<td>Biomechanics</td>
</tr>
<tr>
<td>ESS 323</td>
<td>Nutrition and Sport</td>
</tr>
<tr>
<td>ESS 349</td>
<td>Psychology of Coaching Competitive Athletics</td>
</tr>
<tr>
<td>ESS 368</td>
<td>Strength Training Techniques and Programs</td>
</tr>
<tr>
<td>ESS 442</td>
<td>Aging and Physical Activity</td>
</tr>
<tr>
<td>FIN 355</td>
<td>Principles of Financial Management</td>
</tr>
</tbody>
</table>
must accomplish the following:

Candidates for the Bachelor of Arts or the Bachelor of Science degrees
Baccalaureate degrees

(WINGS) Student Center. All enrolled students have access to the AR. 

one semester of the senior year.)

Bachelor of Science degrees

Degree requirements

All students must complete the general education, college core (waived for exercise and sport science; sport management emphasis majors), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• Baccalaureate degree requirements (p. 336)

General education requirements

Exercise and sport science majors with sport management emphasis are required to take BIO 103 or BIO 105 or MIC 100, CS 101 or CT 100, ECO 110 and HPR 105 to meet prerequisites for advanced courses and/or for admission to the emphasis. These courses will also fulfill general education requirements.

Degree requirements

All students must complete the general education, college core (waived for exercise and sport science; sport management emphasis majors), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Adapted Physical Education

Teaching Minor

(Exercise and sport science – physical education teaching)

Admission

Admittance into the minor requires physical education teacher education (PETE) program admission; a grade “BC” or higher in ESS 231; completion of required written application; and the approval of the coordinator of adapted physical education. Admission to the minor can occur during the same semester of admission to the PETE Program or any semester thereafter.

Retention and advancement

1. Earn a “C” grade or higher in all minor courses, except for ESS 439 in which a grade of “B” or higher must be attained.
2. Maintain a 2.75 GPA in all minor courses.

Curriculum

25 credits

ESS 231 Introduction to Adapted Physical Education 3
ESS 233 Teaching Methods in Adapted Aquatics 2
ESS 430 Disability and Physical Activity Implications 3
ESS 431 Fitness Programming for Persons with Disabilities 1
ESS 435 Sports for Persons with Disabilities 1
ESS 436 Assessment and Program Evaluation in Adapted Physical Education 3
ESS 437 Teaching and Service Delivery Models in Adapted Physical Education 3
ESS 439 Teaching Methods and Internship in Adapted Physical Education 3
SPE 424 Classroom Management and Positive Behavior Practices 3
EDS 494 Student Teaching: Early Adolescence/Adolescence/Early Childhood Adolescence 3-15

Total Credits 25

Clinical/Student Teaching/Certification

Teacher candidates participate in a variety of adapted physical education clinical experiences (with students who have disabilities) that are associated with program requirements and course work in the minor, including student teaching in adapted physical education (completed during regular student teaching). Teacher candidates who successfully complete the minor along with requirements of the physical education teacher education program are eligible to receive the Wisconsin add-on Adapted Physical Education (WI #860, early childhood – adolescence) license. In order to receive the add-on license, a teacher candidate must
also be licensed to teach general Physical Education (WI #530, early childhood – adolescence).

Coaching Competitive Athletics Concentration

(All colleges)

24 credits - Not eligible for Wisconsin Department of Public Instruction certification

Core courses (16-18 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ESS 100</td>
<td>Physical Activities (strength training)</td>
<td>1-3</td>
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<tr>
<td>or ESS 368</td>
<td>Strength Training Techniques and Programs</td>
<td>1</td>
</tr>
<tr>
<td>ESS 201</td>
<td>Safety, First Aid and CPR</td>
<td>3</td>
</tr>
<tr>
<td>ESS 205</td>
<td>Human Anatomy and Physiology for Exercise Science I</td>
<td>3</td>
</tr>
<tr>
<td>ESS 206</td>
<td>Human Anatomy and Physiology for Exercise Science II</td>
<td>3</td>
</tr>
<tr>
<td>ESS 281</td>
<td>Prevention and Care of Athletic Injuries</td>
<td>2</td>
</tr>
<tr>
<td>ESS 348</td>
<td>Theory of Coaching</td>
<td>2</td>
</tr>
<tr>
<td>ESS 349</td>
<td>Psychology of Coaching Competitive Athletics</td>
<td>2</td>
</tr>
<tr>
<td>ESS 451</td>
<td>Practicum in Athletic Coaching</td>
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Elective courses

Select 6-8 credits from the following:

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<td>ESS 130</td>
<td>Officiating Athletics</td>
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<tr>
<td>ESS 207</td>
<td>Human Motor Behavior</td>
</tr>
<tr>
<td>ESS 249</td>
<td>Youth Sport Issues</td>
</tr>
<tr>
<td>ESS 302</td>
<td>Physiology of Exercise</td>
</tr>
<tr>
<td>ESS 303</td>
<td>Biomechanics</td>
</tr>
<tr>
<td>ESS 323</td>
<td>Nutrition and Sport</td>
</tr>
<tr>
<td>ESS 348</td>
<td>Theory of Coaching</td>
</tr>
<tr>
<td>ESS 410</td>
<td>Legal Implications of Sport and Activity</td>
</tr>
<tr>
<td>ESS 451</td>
<td>Practicum in Athletic Coaching</td>
</tr>
<tr>
<td>HED 409</td>
<td>Stress Management and Relaxation Skills</td>
</tr>
<tr>
<td>HED 474</td>
<td>Nutrition Education</td>
</tr>
</tbody>
</table>

Total Credits 24

Geography and Earth Science (GEO/ESC)

College of Science and Health
Department Chair: Cynthia Berlin
2004 Cowley Hall; 608.785.8333
E-mail: cberlin@uw lax.edu

www.uwlax.edu/geography

Geography is the science of place and space. Geographers ask where things are located on the surface of the earth, why they are located where they are, how places differ from one another, and how people interact with the environment. There are two main branches of geography: human geography and physical geography. Human geography is concerned with the spatial aspects of human existence - how people and their activity are distributed in space, how they use and perceive space, and how they create and sustain the places that make up the earth’s surface. Human geographers work in the fields of urban and regional planning, transportation, marketing, real estate, tourism, and international business. Physical geographers study patterns of climates, land forms, vegetation, soils, and water. They forecast the weather, manage land and water resources, and analyze and plan for forests, rangelands, and wetlands. Many human and physical geographers have skills in cartography and Geographic Information Systems (GIS). Geographers also study the linkages between human activity and natural systems.

Students who are considering studying geography and earth science will probably answer yes to one or more of the following questions: Are you curious about places? Do you like to study maps? Are you interested in the constantly changing pattern of human activity and natural phenomena on the landscape? Are you interested in foreign areas? Do you like to work outside? Are you a problem solver? Are you good at seeing connections among seemingly unrelated processes? Can you adapt to rapid technological change? Do you try to see the bigger picture? Are you interested in connections between humans and the environment?

Our people

Professor
Rafique Ahmed
Cynthia Berlin
Georges Cravins

Assistant Professor
Colin Belby
Joan Bunbury
Gargi Chaudhuri
Paul Reyerson
Daniel Sambu

Lecturer
Jeffrey Kueny

Administrative Support
Karen Ott

Majors

- Geography major - BA (p. 338)
- Geography major - BS (p. 339)
- Geography major: environmental science concentration - BA (p. 340)
- Geography major: environmental science concentration - BS (p. 341)
- Geography major: geographic information science concentration - BA (p. 343)
- Geography major: geographic information science concentration - BS (p. 344)
- Geography education major (early adolescence-adolescence certification) - BS (p. 345)
- Social studies education (broad field) major (early adolescence-adolescence certification) - BS (p. 345)
Minors

• Geography minor (p. 346)
• Geographic information science minor (p. 347)
• Geoarchaeology minor (p. 347)
• Earth science minor (p. 347)
• Geography education minor (p. 348)
• Earth science education minor (p. 348)

Certificate

Geographic Information Systems Certificate

Note: This certificate program is currently not available.

This program is a joint offering by the Department of Geography and Earth Science and the Office of Continuing Education.

Applications of Geographic Information Systems (GIS) range from business planning and public health to ecosystem management. Essentially, GIS is a tool for studying spatial problems. It links a database with map features in such a way that users can input, store, retrieve, and analyze geographic data. Students choosing this program acquire the skills and knowledge necessary to apply GIS in their chosen field of study.

The GIS Certificate is earned by taking two GIS courses and the completion of a GIS internship or undergraduate research project.

(All colleges)

12 credits

Select one of the following sequences: 6

GEO 208 & GEO 308
Applications of Geographic Information Systems I and Applications of GIS II

GEO 385 & GEO 485
Introduction to Geographic Information Systems and Advanced Geographic Information Systems

Select six credits from the following: 6

GEO 450
Geography Internship

and/or

GEO 499
Undergraduate Research

Total Credits 12

Not open to geography majors.

Honors

• Geography and earth science honors program (p. 348)

Geography Major - Bachelor of Arts (BA)

Major requirements

(All colleges, excluding teacher certification programs)

39 credits

Core courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESC 101</td>
<td>Earth Environments</td>
<td>4</td>
</tr>
<tr>
<td>ESC 221</td>
<td>Introduction to Climate Systems</td>
<td>4</td>
</tr>
<tr>
<td>or ESC 222</td>
<td>Landforms: Processes and Regions</td>
<td></td>
</tr>
<tr>
<td>GEO 110</td>
<td>World Cultural Regions</td>
<td>3</td>
</tr>
</tbody>
</table>

Degree requirements

All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to
the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 339)
- Baccalaureate degree requirements (p. 339)

**SAH Bachelor of Arts core requirements**

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

**Note:** Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

**For the Bachelor of Arts degree**, students must complete a major from the college and proficiency in a foreign language at the 202 level or an ESL proficiency score of 80 or above on the La Crosse Battery of exams for non-native speakers of English. Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations. Students must also complete:

- a minor in the College of Liberal Studies or
- 15 credits at the 300/400 level in the College of Liberal Studies. Internship credits generally do not count toward this college core option.

**Baccalaureate degrees**

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1. Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

**Geography Major - Bachelor of Science (BS)**

**Major requirements**

(All colleges, excluding teacher certification programs)

39 credits

<table>
<thead>
<tr>
<th>Course code</th>
<th>Course title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESC 101</td>
<td>Earth Environments</td>
<td>4</td>
</tr>
<tr>
<td>ESC 221</td>
<td>Introduction to Climate Systems</td>
<td>4</td>
</tr>
<tr>
<td>or ESC 222</td>
<td>Landforms: Processes and Regions</td>
<td>4</td>
</tr>
<tr>
<td>GEO 110</td>
<td>World Cultural Regions</td>
<td>3</td>
</tr>
<tr>
<td>GEO 201</td>
<td>Geography of United States and Canada</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 250</td>
<td>Fundamentals of Cartography</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 385</td>
<td>Introduction to Geographic Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>GEO 401</td>
<td>Focus on Geography: A Capstone Course</td>
<td>1</td>
</tr>
</tbody>
</table>

**Cultural geography**

Select one of the following: 3 credits

- GEO 300 Population Geography
- GEO 306 Economic Geography
- GEO 307 Political Geography
- GEO 309 Urban Geography

**Techniques**

Select one of the following: 3 credits

- GEO/ESC 345 Remote Sensing
- GEO/ESC 390 Geographic Field Methods
- GEO/ESC 440 Geographic Interpretation of Aerial Photographs
- GEO/ESC 445 Advanced Remote Sensing
- GEO/ESC 455 Applied Map Design/Production in Cartography/GIS
- GEO 485 Advanced Geographic Information Systems
- GEO 488 Spatial Data Analysis

**Regional geography**

Select one of the following: 3 credits

- GEO 204 Geography of Wisconsin
- GEO 304 Geography of Europe
- GEO 312 Geography of Africa
- GEO 318 The Geography of Latin America & the Caribbean
- GEO 328 Geography of East and Southeast Asia
- GEO 331 Geography of the Middle East, Central and South Asia

**Physical geography**

Select one of the following: 3 credits

- GEO/ESS 422 Meteorology and Weather Forecasting
- GEO/ESC 425 Biogeography
must accomplish the following:

Candidates for the Bachelor of Arts or the Bachelor of Science degrees

Baccalaureate degrees

from the college plus:

For the Bachelor of Science

use two science courses from same department.

Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can

Note:

of the student's major department.

PHY 104, or PHY 204, and they either must take two mathematics

courses or one math course and one computer science course from the

general education laboratory science category (GE 05)

B.S. and B.A. students graduating from the College of Science and

Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

For the Bachelor of Science degree, students must complete a major from the college plus:

• a minor (or a second major) from any college or

• 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.

2. Complete at least one ethnic studies (diversity) course.

3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)

4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. \(^1\) At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.

5. Complete major and minor requirements with at least a 2.00 GPA \(^1\) in each major and minor (and concentration or emphasis, if selected).

6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)

7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

\(^1\) Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Geography Major: Environmental Science Concentration - Bachelor of Arts (BA)

Major requirements

(All colleges, excluding teacher certification programs)

38-40 credits (54-58 total credits including BIO, CHM and MTH requirements)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESC 101</td>
<td>Earth Environments</td>
<td>4</td>
</tr>
<tr>
<td>GEO 110</td>
<td>World Cultural Regions</td>
<td>3</td>
</tr>
<tr>
<td>GEO 200</td>
<td>Conservation of Global Environments</td>
<td>3</td>
</tr>
<tr>
<td>GEO 201</td>
<td>Geography of the United States and Canada</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 250</td>
<td>Fundamentals of Cartography</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 385</td>
<td>Introduction to Geographic Information Systems</td>
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</tr>
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<td>GEO 401</td>
<td>Focus on Geography: A Capstone Course</td>
<td>1</td>
</tr>
</tbody>
</table>

Select three of the following: 9-12 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESC 211</td>
<td>Global Warming and Climate Change</td>
</tr>
<tr>
<td>ESC 221</td>
<td>Introduction to Climate Systems</td>
</tr>
<tr>
<td>ESC 222</td>
<td>Landforms: Processes and Regions</td>
</tr>
<tr>
<td>GEO/ESC 422</td>
<td>Meteorology and Weather Forecasting</td>
</tr>
<tr>
<td>GEO/ESC 425</td>
<td>Biogeography</td>
</tr>
<tr>
<td>GEO/ESC 426</td>
<td>Soil Morphology and Genesys</td>
</tr>
<tr>
<td>GEO/ESC 427</td>
<td>Water Resources</td>
</tr>
<tr>
<td>GEO/ESC 430</td>
<td>Fluvial Geomorphology</td>
</tr>
<tr>
<td>GEO/ESC 460</td>
<td>Environmental Hazards and Land Use</td>
</tr>
</tbody>
</table>
from the college and proficiency in a foreign language at the 202 level, students must complete a major.

For the Bachelor of Arts degree

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement.)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

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No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

### Geography Major: Environmental Science Concentration - Bachelor of Science (BS)

#### Major requirements

1. A minor in the College of Liberal Studies or
2. 15 credits at the 300/400 level in the College of Liberal Studies.

Internship credits generally do not count toward this college core option.

### Degree requirements

All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 341)
- Baccalaureate degree requirements (p. 341)

### SAH Bachelor of Arts core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the mathematical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

For the Bachelor of Arts degree, students must complete a major from the college and proficiency in a foreign language at the 202 level or an ESL proficiency score of 80 or above on the La Crosse Battery of exams for non-native speakers of English. Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations. Students must also complete:

- a minor in the College of Liberal Studies or
- 15 credits at the 300/400 level in the College of Liberal Studies.

Select three of the following:

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO/ESC 345</td>
<td>Remote Sensing</td>
<td></td>
</tr>
<tr>
<td>GEO/ESC 390</td>
<td>Geographic Field Methods</td>
<td></td>
</tr>
<tr>
<td>GEO/ESC 440</td>
<td>Geographic Interpretation of Aerial Photographs</td>
<td></td>
</tr>
<tr>
<td>GEO/ESC 445</td>
<td>Advanced Remote Sensing</td>
<td></td>
</tr>
<tr>
<td>GEO 485</td>
<td>Advanced Geographic Information Systems</td>
<td></td>
</tr>
<tr>
<td>GEO 488</td>
<td>Spatial Data Analysis</td>
<td></td>
</tr>
<tr>
<td>MTH 145</td>
<td>Elementary Statistics</td>
<td></td>
</tr>
<tr>
<td>BIO 103</td>
<td>Introductory Biology</td>
<td></td>
</tr>
<tr>
<td>or BIO 105</td>
<td>General Biology</td>
<td></td>
</tr>
<tr>
<td>CHM 103</td>
<td>General Chemistry I</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following:

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 204</td>
<td>Plant Biology</td>
<td></td>
</tr>
<tr>
<td>BIO 210</td>
<td>Animal Biology</td>
<td></td>
</tr>
<tr>
<td>CHM 104</td>
<td>General Chemistry II</td>
<td></td>
</tr>
</tbody>
</table>

Three credits from the following may be applied to the major:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO/ESC 450</td>
<td>Geography Internship</td>
<td></td>
</tr>
<tr>
<td>GEO/ESC 490</td>
<td>Independent Study</td>
<td></td>
</tr>
<tr>
<td>GEO/ESC 499</td>
<td>Undergraduate Research</td>
<td></td>
</tr>
<tr>
<td>BIO 302</td>
<td>Introductory Plant Identification</td>
<td></td>
</tr>
<tr>
<td>BIO 307</td>
<td>Ecology</td>
<td></td>
</tr>
<tr>
<td>BIO 317</td>
<td>Plant Taxonomy</td>
<td></td>
</tr>
<tr>
<td>HIS 317</td>
<td>American Environmental History</td>
<td></td>
</tr>
<tr>
<td>CHM 301</td>
<td>Analytical Chemistry</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 54-58

1. only three credits from a combination of GEO/ESC 490 or GEO/ESC 499 will apply
GEO 200 Conservation of Global Environments 3
GEO 201 Geography of United States and Canada 3
GEO/ESC 250 Fundamentals of Cartography 3
GEO/ESC 385 Introduction to Geographic Information Systems 3
GEO 401 Focus on Geography: A Capstone Course 1

Select three of the following: 9-12
ESC 211 Global Warming and Climate Change
ESC 222 Landforms: Processes and Regions
GEO/ESC 422 Meteorology and Weather Forecasting
GEO/ESC 425 Biogeography
GEO/ESC 426 Soil Morphology and Genesis
GEO/ESC 427 Water Resources
GEO/ESC 430 Fluvial Geomorphology
GEO/ESC 460 Environmental Hazards and Land Use

Select three of the following: 9-13
GEO/ESC 345 Remote Sensing
GEO/ESC 390 Geographic Field Methods
GEO/ESC 440 Geographic Interpretation of Aerial Photographs
GEO/ESC 445 Advanced Remote Sensing
GEO 485 Advanced Geographic Information Systems
GEO 488 Spatial Data Analysis
MTH 145 Elementary Statistics 4
BIO 103 Introductory Biology 4
or BIO 105 General Biology
CHM 103 General Chemistry I 5

Select one of the following: 3-5
BIO 204 Plant Biology
BIO 210 Animal Biology
CHM 104 General Chemistry II

Three credits from the following may be applied to the major:
GEO/ESC 450 Geography Internship
GEO/ESC 490 Independent Study ¹
GEO/ESC 499 Undergraduate Research ¹
BIO 302 Introductory Plant Identification
BIO 307 Ecology
BIO 341 Limnology
BIO 404 Plant Taxonomy
HIS 317 American Environmental History
CHM 301 Analytical Chemistry

Total Credits 54-58

¹ only three credits from a combination of GEO/ESC 490 or GEO/ESC 499 will apply

SAH Bachelor of Science core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

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- a minor (or a second major) from any college or
- 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA.¹ At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA¹ in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

¹ Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 342)
- Baccalaureate degree requirements (p. 342)
Geography Major: Geographic Information Science Concentration - Bachelor of Arts (BA)

Major requirements
(All colleges, excluding teacher certification programs)

42-43 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESC 101</td>
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</tr>
<tr>
<td>GEO 110</td>
<td>World Cultural Regions</td>
<td>3</td>
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<tr>
<td>GEO 201</td>
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<td>3</td>
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<td>Fundamentals of Cartography</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 345</td>
<td>Remote Sensing</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 385</td>
<td>Introduction to Geographic Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 445</td>
<td>Advanced Remote Sensing</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 455</td>
<td>Applied Map Design/Production in Cartography/ GIS</td>
<td>3</td>
</tr>
<tr>
<td>GEO 401</td>
<td>Focus on Geography: A Capstone Course</td>
<td>1</td>
</tr>
<tr>
<td>GEO 485</td>
<td>Advanced Geographic Information Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Group I</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESC 221</td>
<td>Introduction to Climate Systems</td>
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<tr>
<td>ESC 222</td>
<td>Landforms: Processes and Regions</td>
<td></td>
</tr>
<tr>
<td>GEO/ESC 422</td>
<td>Meteorology and Weather Forecasting</td>
<td></td>
</tr>
<tr>
<td>GEO/ESC 425</td>
<td>Biogeography</td>
<td></td>
</tr>
<tr>
<td>GEO/ESC 426</td>
<td>Soil Morphology and Genesis</td>
<td></td>
</tr>
<tr>
<td>GEO/ESC 427</td>
<td>Water Resources</td>
<td></td>
</tr>
<tr>
<td>GEO/ESC 430</td>
<td>Fluvial Geomorphology</td>
<td></td>
</tr>
<tr>
<td>GEO/ESC 460</td>
<td>Environmental Hazards and Land Use</td>
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Select one of the following:

<table>
<thead>
<tr>
<th>Group II</th>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>GEO 300</td>
<td>Population Geography</td>
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</tr>
<tr>
<td>GEO 306</td>
<td>Economic Geography</td>
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<tr>
<td>GEO 307</td>
<td>Political Geography</td>
<td></td>
</tr>
<tr>
<td>GEO 309</td>
<td>Urban Geography</td>
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</tr>
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</table>

Select one course from group I or three credits from group II:

<table>
<thead>
<tr>
<th>Group I:</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO/ESC 390</td>
<td>Geographic Field Methods</td>
<td></td>
</tr>
<tr>
<td>GEO/ESC 440</td>
<td>Geographic Interpretation of Aerial Photographs</td>
<td></td>
</tr>
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<td>GEO 488</td>
<td>Spatial Data Analysis</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Group II:</th>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO/ESC 450</td>
<td>Geography Internship</td>
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</tr>
<tr>
<td>GEO/ESC 490</td>
<td>Independent Study</td>
<td>1</td>
</tr>
<tr>
<td>GEO/ESC 499</td>
<td>Undergraduate Research</td>
<td>1</td>
</tr>
<tr>
<td>MTH 145</td>
<td>Elementary Statistics</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Credits 42-43

Degree requirements

All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 343)
- Baccalaureate degree requirements (p. 343)

SAH Bachelor of Arts core requirements

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Geography Major: Geographic Information Science Concentration - Bachelor of Science (BS)

Major requirements
(All colleges, excluding teacher certification programs)

42-43 credits

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<tr>
<td>GEO/ESC 250</td>
<td>Fundamentals of Cartography</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 345</td>
<td>Remote Sensing</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 385</td>
<td>Introduction to Geographic Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 445</td>
<td>Advanced Remote Sensing</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 455</td>
<td>Applied Map Design/Production in Cartography/ GIS</td>
<td>3</td>
</tr>
<tr>
<td>GEO 401</td>
<td>Focus on Geography: A Capstone Course</td>
<td>1</td>
</tr>
<tr>
<td>GEO 485</td>
<td>Advanced Geographic Information Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following: 3-4

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESC 221</td>
<td>Introduction to Climate Systems</td>
<td></td>
</tr>
<tr>
<td>ESC 222</td>
<td>Landforms: Processes and Regions</td>
<td></td>
</tr>
<tr>
<td>GEO/ESC 422</td>
<td>Meteorology and Weather Forecasting</td>
<td></td>
</tr>
<tr>
<td>GEO/ESC 425</td>
<td>Biogeography</td>
<td></td>
</tr>
<tr>
<td>GEO/ESC 426</td>
<td>Soil Morphology and Genesis</td>
<td></td>
</tr>
<tr>
<td>GEO/ESC 427</td>
<td>Water Resources</td>
<td></td>
</tr>
<tr>
<td>GEO/ESC 430</td>
<td>Fluvial Geomorphology</td>
<td></td>
</tr>
<tr>
<td>GEO/ESC 460</td>
<td>Environmental Hazards and Land Use</td>
<td></td>
</tr>
</tbody>
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Select one of the following: 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>GEO 300</td>
<td>Population Geography</td>
<td></td>
</tr>
<tr>
<td>GEO 306</td>
<td>Economic Geography</td>
<td></td>
</tr>
<tr>
<td>GEO 307</td>
<td>Political Geography</td>
<td></td>
</tr>
<tr>
<td>GEO 309</td>
<td>Urban Geography</td>
<td></td>
</tr>
</tbody>
</table>

Select one course from group I or three credits from group II: 3

<table>
<thead>
<tr>
<th>Group I:</th>
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</thead>
<tbody>
<tr>
<td>GEO/ESC 390</td>
<td>Geographic Field Methods</td>
<td></td>
</tr>
<tr>
<td>GEO/ESC 440</td>
<td>Geographic Interpretation of Aerial Photographs</td>
<td></td>
</tr>
<tr>
<td>GEO 488</td>
<td>Spatial Data Analysis</td>
<td></td>
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<table>
<thead>
<tr>
<th>Group II:</th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>GEO/ESC 450</td>
<td>Geography Internship</td>
<td></td>
</tr>
<tr>
<td>GEO/ESC 490</td>
<td>Independent Study</td>
<td></td>
</tr>
<tr>
<td>GEO/ESC 499</td>
<td>Undergraduate Research</td>
<td></td>
</tr>
</tbody>
</table>

MTH 145 Elementary Statistics 4 Total Credits 42-43

1 Must be GIS related.

Degree requirements

All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• College core (p. 344)
• Baccalaureate degree requirements (p. 344)

SAH Bachelor of Science core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

For the Bachelor of Science degree, students must complete a major from the college plus:

• a minor (or a second major) from any college or
• 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)

7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Geography Education Major (Early Adolescence-Adolescence Certification) - Bachelor of Science (BS)

Major requirements

Admission requirements for STEP Program (p. 403)

(Teacher certification program: early-adolescence-adolescence)

40 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESC 101</td>
<td>Earth Environments</td>
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</tr>
<tr>
<td>GEO 110</td>
<td>World Cultural Regions</td>
<td>3</td>
</tr>
<tr>
<td>GEO 201</td>
<td>Geography of United States and Canada</td>
<td>3</td>
</tr>
<tr>
<td>GEO 204</td>
<td>Geography of Wisconsin</td>
<td>3</td>
</tr>
<tr>
<td>GEO 250</td>
<td>Fundamentals of Cartography</td>
<td>3</td>
</tr>
<tr>
<td>GEO 300</td>
<td>Population Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEO 306</td>
<td>Economic Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEO 309</td>
<td>Urban Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEO 401</td>
<td>Focus on Geography: A Capstone Course</td>
<td>1</td>
</tr>
<tr>
<td>GEO 408</td>
<td>Teaching and Learning History &amp; Social Studies in the Secondary School</td>
<td>4</td>
</tr>
</tbody>
</table>

Electives in geography: 10 credits

Total Credits: 40

Three credits of GEO 499 may be applied to the major.

Teacher certification candidates must also complete GEO 200 and EFN 200 to fulfill statutory licensing requirements. (Credits do not count toward the geography education major.)

Additional teacher education requirements are listed in the STEP program core (p. 403).

Degree requirements

All students must complete the general education, college core (waived for teacher certification programs), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- Baccalaureate degree requirements (p. 345)

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Social Studies Education (Broad Field) Major (Early Adolescence-Adolescence Certification) - BS

Major requirements

Admission requirements for STEP Program (p. 403)

(Teacher certification program: early adolescence-adolescence)

54-64 credits

Choose either Option A (content major) or Option B (content minor) below:
College of Science and Health (SAH)

Option A (content major) 57-64 credits
37-44 credit major in geography education, history education, political science education, or sociology education
20 credits, with a minimum of three credits, from any two of the following areas outside of the major:
- Economics
- Geography
- History
- Political Science
- Psychology
- Sociology

Total Credits 57-64

Note: Teacher certification candidates must also complete GEO 200 Conservation of Global Environments and EFN 200 Cooperatives to fulfill statutory licensing requirements. Credits do not count toward the social studies education (broad field) major.

Candidates must also complete additional teacher education requirements listed in the STEP Program core (p. 403).

Option B (content minor) 54-60 credits
18-24 credit minor in one of the following:
- Economics Education
- Geography Education
- History Education
- Political Science Education
- Psychology Education
- Sociology Education

32 credits with a minimum of three credits from three of the subject areas outside of the minor selected from the following:
- Economics
- Geography
- History
- Political Science
- Psychology
- Sociology

ECO/GEO/HIS/POL/PSY/SOC 408 Teaching and Learning History & Social Studies in the Secondary School 4

Total Credits 54-60

Note: Teacher certification candidates must also complete GEO 200 Conservation of Global Environments and EFN 200 Cooperatives to fulfill statutory licensing requirements. Credits do not count toward the social studies education (broad field) major.

Baccalaureate degrees
Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Geography Minor
(All colleges, excluding teacher certification programs)

26 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESC 101</td>
<td>Earth Environments</td>
<td>4</td>
</tr>
<tr>
<td>GEO 110</td>
<td>World Cultural Regions</td>
<td>3</td>
</tr>
<tr>
<td>GEO 201</td>
<td>Geography of United States and Canada</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one course in physical geography of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESC 211</td>
<td>Global Warming and Climate Change</td>
<td>3</td>
</tr>
<tr>
<td>ESC 221</td>
<td>Introduction to Climate Systems</td>
<td></td>
</tr>
<tr>
<td>ESC 222</td>
<td>Landforms: Processes and Regions</td>
<td></td>
</tr>
<tr>
<td>GEO/ESC 422</td>
<td>Meteorology and Weather Forecasting</td>
<td></td>
</tr>
<tr>
<td>GEO/ESC 425</td>
<td>Biogeography</td>
<td></td>
</tr>
<tr>
<td>GEO/ESC 426</td>
<td>Soil Morphology and Genesis</td>
<td></td>
</tr>
<tr>
<td>GEO/ESC 427</td>
<td>Water Resources</td>
<td></td>
</tr>
<tr>
<td>GEO/ESC 460</td>
<td>Environmental Hazards and Land Use</td>
<td></td>
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Select one course in cultural geography of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>GEO 202</td>
<td>Contemporary Global Issues</td>
<td>3</td>
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<tr>
<td>GEO 300</td>
<td>Population Geography</td>
<td></td>
</tr>
<tr>
<td>GEO 306</td>
<td>Economic Geography</td>
<td></td>
</tr>
<tr>
<td>GEO 307</td>
<td>Political Geography</td>
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</table>
### Geographic Information Science Minor

(All colleges, excluding teacher certification programs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>GEO 309</td>
<td>Urban Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 250</td>
<td>Fundamentals of Cartography</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 345</td>
<td>Remote Sensing</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 385</td>
<td>Introduction to Geographic Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 390</td>
<td>Geographic Field Methods</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 440</td>
<td>Geographic Interpretation of Aerial Photographs</td>
<td>3</td>
</tr>
<tr>
<td>GEO 488</td>
<td>Spatial Data Analysis</td>
<td>3</td>
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Select one course in techniques of the following:

<table>
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<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>GEO/ESC 250</td>
<td>Fundamentals of Cartography</td>
</tr>
<tr>
<td>GEO/ESC 345</td>
<td>Remote Sensing</td>
</tr>
<tr>
<td>GEO/ESC 385</td>
<td>Introduction to Geographic Information Systems</td>
</tr>
<tr>
<td>GEO/ESC 390</td>
<td>Geographic Field Methods</td>
</tr>
<tr>
<td>GEO/ESC 440</td>
<td>Geographic Interpretation of Aerial Photographs</td>
</tr>
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</table>

Select one course in regional geography of the following:

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<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>GEO 204</td>
<td>Geography of Wisconsin</td>
</tr>
<tr>
<td>GEO 304</td>
<td>Geography of Europe</td>
</tr>
<tr>
<td>GEO 312</td>
<td>Geography of Africa</td>
</tr>
<tr>
<td>GEO 318</td>
<td>The Geography of Latin America &amp; the Caribbean</td>
</tr>
<tr>
<td>GEO 328</td>
<td>Geography of East and Southeast Asia</td>
</tr>
<tr>
<td>GEO 331</td>
<td>Geography of the Middle East, Central and South Asia</td>
</tr>
</tbody>
</table>

Electives in geography

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO/ESC 250</td>
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<tr>
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<td>Remote Sensing</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 385</td>
<td>Introduction to Geographic Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 390</td>
<td>Geographic Field Methods</td>
<td>3</td>
</tr>
<tr>
<td>GEO 488</td>
<td>Spatial Data Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESC 101</td>
<td>Earth Environments</td>
</tr>
<tr>
<td>GEO 110</td>
<td>World Cultural Regions</td>
</tr>
<tr>
<td>GEO 200</td>
<td>Conservation of Global Environments</td>
</tr>
<tr>
<td>GEO 201</td>
<td>Geography of United States and Canada</td>
</tr>
<tr>
<td>GEO 300</td>
<td>Population Geography</td>
</tr>
<tr>
<td>GEO 306</td>
<td>Economic Geography</td>
</tr>
<tr>
<td>GEO 307</td>
<td>Political Geography</td>
</tr>
<tr>
<td>GEO 309</td>
<td>Urban Geography</td>
</tr>
</tbody>
</table>

Total Credits 26

### Geoarchaeology Minor

(All colleges, excluding teacher certification programs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ARC 195</td>
<td>Archaeology</td>
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</tr>
<tr>
<td>ARC 404</td>
<td>Environmental Archaeology</td>
<td>3</td>
</tr>
<tr>
<td>ESC 101</td>
<td>Earth Environments</td>
<td>4</td>
</tr>
<tr>
<td>ESC 222</td>
<td>Landforms: Processes and Regions</td>
<td>4</td>
</tr>
<tr>
<td>GEO/ESC 426</td>
<td>Soil Morphology and Genesis</td>
<td>4</td>
</tr>
<tr>
<td>GEO/ESC 430</td>
<td>Fluvial Geomorphology</td>
<td>3</td>
</tr>
<tr>
<td>ARC/ESC/GEO</td>
<td>Geoarchaeology</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 24

### Recommended

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>GEO/ESC 345</td>
<td>Remote Sensing</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 385</td>
<td>Introduction to Geographic Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 499</td>
<td>Undergraduate Research</td>
<td>1-3</td>
</tr>
<tr>
<td>ARC 409</td>
<td>Readings and Research in Archaeology (with topic 1-3 in geoarchaeology)</td>
<td>1-3</td>
</tr>
</tbody>
</table>

Archaeological studies majors who select the geoarchaeology minor must take 18 credits in courses listed above in addition to the 36 required for the major.

Geography majors who select the geoarchaeology minor must take 18 credits in the courses listed above in addition to the 39 credits required in the major.

### Earth Science Minor

(All colleges, excluding teacher certification programs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESC 101</td>
<td>Earth Environments</td>
<td>4</td>
</tr>
<tr>
<td>ESC 221</td>
<td>Introduction to Climate Systems</td>
<td>4</td>
</tr>
<tr>
<td>ESC 222</td>
<td>Landforms: Processes and Regions</td>
<td>4</td>
</tr>
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</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO/ESC 422</td>
<td>Meteorology and Weather Forecasting</td>
</tr>
<tr>
<td>GEO/ESC 425</td>
<td>Biogeography</td>
</tr>
<tr>
<td>GEO/ESC 426</td>
<td>Soil Morphology and Genesis</td>
</tr>
<tr>
<td>GEO/ESC 427</td>
<td>Water Resources</td>
</tr>
<tr>
<td>GEO/ESC 430</td>
<td>Fluvial Geomorphology</td>
</tr>
<tr>
<td>GEO/ESC 460</td>
<td>Environmental Hazards and Land Use</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO/ESC 250</td>
<td>Fundamentals of Cartography</td>
</tr>
<tr>
<td>GEO/ESC 345</td>
<td>Remote Sensing</td>
</tr>
<tr>
<td>GEO/ESC 385</td>
<td>Introduction to Geographic Information Systems</td>
</tr>
<tr>
<td>GEO/ESC 390</td>
<td>Geographic Field Methods</td>
</tr>
</tbody>
</table>

Total Credits 21

1 Up to six credits may be from GEO 450 Geography Internship (3-12 cr.)/ESC 450 Geography Internship (3-12 cr.) and GEO 490 Independent Study (2-3 cr.)/ESC 490 Independent Study (2-3 cr.) and GEO 499 Undergraduate Research (1-3 cr.)/ESC 499 Undergraduate Research (1-3 cr.) may be used in this category. These courses must be GIS related.

Students in this minor are required to take MTH 145 Elementary Statistics (4 cr.). Not open to GEO/ESC majors and minors.
Electives in earth science  
Total Credits  

Geography majors who select the earth science minor must take 18 credits in the courses listed above in addition to the 39 required for the major.

**Geography Education Minor**  
(Teacher certification programs)  
24 credits  

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESC 101</td>
<td>Earth Environments</td>
<td>4</td>
</tr>
<tr>
<td>GEO 110</td>
<td>World Cultural Regions</td>
<td>3</td>
</tr>
<tr>
<td>GEO 201</td>
<td>Geography of United States and Canada</td>
<td>3</td>
</tr>
<tr>
<td>GEO 204</td>
<td>Geography of Wisconsin</td>
<td>3</td>
</tr>
<tr>
<td>GEO 306</td>
<td>Economic Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEO 309</td>
<td>Urban Geography</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives in geography  
Total Credits  

1 excluding GEO 408

Teacher certification candidates must also complete GEO 200 Conservation of Global Environments (3 cr.) and EFN 200 Cooperatives (1 cr.) to fulfill statutory licensing requirements (credits do not count toward the geography education minor); in addition, early adolescence-adolescence candidates must also complete GEO 408 Teaching and Learning History & Social Studies in the Secondary School (4 cr.) unless a major in social studies (broad field) education, history education, political science education, or sociology education is completed.

**Earth Science Education Minor**  
(Teacher certification programs)  
25 credits  

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESC 101</td>
<td>Earth Environments</td>
<td>4</td>
</tr>
<tr>
<td>ESC 221</td>
<td>Introduction to Climate Systems</td>
<td>4</td>
</tr>
<tr>
<td>ESC 222</td>
<td>Landforms: Processes and Regions</td>
<td>4</td>
</tr>
<tr>
<td>GEO/ESC 422</td>
<td>Meteorology and Weather Forecasting</td>
<td>3-4</td>
</tr>
<tr>
<td>GEO/ESC 425</td>
<td>Biogeography</td>
<td>4</td>
</tr>
<tr>
<td>GEO/ESC 426</td>
<td>Soil Morphology and Genesis</td>
<td>4</td>
</tr>
<tr>
<td>GEO/ESC 427</td>
<td>Water Resources</td>
<td>4</td>
</tr>
</tbody>
</table>

Select one of the following:  

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO/ESC 250</td>
<td>Fundamentals of Cartography</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 345</td>
<td>Remote Sensing</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 385</td>
<td>Introduction to Geographic Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 390</td>
<td>Geographic Field Methods</td>
<td>3</td>
</tr>
<tr>
<td>GEO/ESC 440</td>
<td>Geographic Interpretation of Aerial Photographs</td>
<td>3</td>
</tr>
</tbody>
</table>

Select six credits from the following:  

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESC 211</td>
<td>Global Warming and Climate Change</td>
<td>6</td>
</tr>
<tr>
<td>ESC 270</td>
<td>Geographic Themes</td>
<td>6</td>
</tr>
<tr>
<td>GEO/ESC 422</td>
<td>Meteorology and Weather Forecasting</td>
<td>6</td>
</tr>
<tr>
<td>GEO/ESC 445</td>
<td>Advanced Remote Sensing</td>
<td>6</td>
</tr>
</tbody>
</table>

Total Credits  

Teacher certification candidates must also complete GEO 200 Conservation of Global Environments (3 cr.); in addition, early adolescence-adolescence candidates must complete BIO 469 Teaching and Learning Science in the Secondary School (4 cr.)/CHM 469 Teaching and Learning Science in the Secondary School (4 cr.)/PHY 469 Teaching and Learning Science in the Secondary School (4 cr.) unless a major in biology education, chemistry education, or physics education is completed. Both courses fulfill statutory licensing requirements.

**Note:** The earth science education minor may be used as partial fulfillment of the requirement for a second major in general science education (broad field) major.

**Geography and Earth Science Honors Program**  

1. Admission  
   a. Junior standing  
   b. 15 completed credits in the major  
   c. 3.25 grade point average in the major and a 3.00 cumulative grade point average  
   d. Recommendation by two faculty members in the department  

2. Program  
   a. Completion of the major program in Geography and Earth Science  
   b. GEO 490 Independent Study (2-3 cr.)/ESC 490 Independent Study (2-3 cr.)  
   c. GEO 495 Seminar in Geography/Earth Science (1-3 cr.)/ESC 495 Seminar in Geography/Earth Science (1-3 cr.) (Honors Seminar), 1 credit.  

3. Evaluation  
   a. Cumulative 3.50 grade point average in the major and a cumulative grade point of 3.00 at graduation  
   b. Distinguished performance on a paper/project in GEO 490 Independent Study (2-3 cr.)/ESC 490 Independent Study (2-3 cr.)  
   c. Presentation of paper/project to the faculty and students in the department.

**Health Education and Health Promotion (HED/CHE/SHE/HWM)**  

College of Science and Health  
Department Chair: R Daniel Duquette  
124 Mitchell Hall; 608.785.8161
Health education is a social science that draws from the biological, environmental, psychological, physical and medical sciences to promote health and prevent disease, disability and premature death by educating individuals and communities to voluntarily change their behaviors to improve their health and well-being. Health education is the development of individual, group, institutional, community and systemic strategies to improve health knowledge, attitudes, skills and behavior. The purpose of health education is to positively influence the health behavior of individuals and communities as well as the living and working conditions that influence their health.

Admission to programs
All programs in the Department of Health Education and Health Promotion have academic policies and admission requirements. Students are advised to become aware of the application criteria for their program and may refer to program websites for the most detailed information regarding these criteria and procedures.

Academic policies for school health and community health programs
1. Students transferring into a health education program must have a cumulative GPA of 2.50 or higher at the time of transfer.
2. Students must follow the course sequences set up by the department.
3. Students must attain an overall 2.50 grade point average including all 100/200 level required courses before being admitted to the 300 level courses in health education.
4. Students must earn a grade of “C” or better in all required health education courses and the following courses:
   - BIO 103 Introductory Biology
   - or BIO 105 General Biology
   - HPR 105 Creating A Healthy, Active Lifestyle
   Select one of the following:
   - 6-8
   - ESS 205 & ESS 206 Human Anatomy and Physiology for Exercise Science I and Human Anatomy and Physiology for Exercise Science II
   - BIO 312 & BIO 313 Human Anatomy and Physiology I and Human Anatomy and Physiology II

Admission requirements for school health education majors and minors (p. 351)
Admission requirements for community health education majors (p. 349)
Admission requirements for health and wellness management majors (p. 352)

General education writing emphasis
This department incorporates a significant amount of writing through the required courses instead of identifying particular courses as writing emphasis courses. Students who complete a major in this department will fulfill the general education writing emphasis requirement (p. 50).
education core courses. Prior to applying, the following courses must be completed with a grade of “C” or better (see below).

2. A UW-L cumulative GPA of 2.50 or better is required in order to be considered for admission to the community health education program.

3. **Community health education majors** must meet the following additional requirements for admission to the community health preceptorship: apply for and receive the recommendation of the community health education faculty; achieve a minimum 2.75 cumulative and major GPA; successfully complete all required course work.

HPR 105 Creating A Healthy, Active Lifestyle 3
CHM 100 Contemporary Chemistry 4
or CHM 103 General Chemistry I
MIC 100 Microbes and Society 4
or MIC 130 Global Impact of Infectious Disease
MTH 145 Elementary Statistics 4
BIO 103 Introductory Biology 4
or BIO 105 General Biology

Select one of the following: 6-8

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESS 205</td>
<td>Human Anatomy and Physiology for Exercise Science I and Human Anatomy and Physiology for Exercise Science II</td>
<td>3</td>
</tr>
<tr>
<td>BIO 312 &amp; BIO 313</td>
<td>Human Anatomy and Physiology I and Human Anatomy and Physiology II</td>
<td>3</td>
</tr>
<tr>
<td>HED 205</td>
<td>Introduction to Health and Wellness Education</td>
<td>3</td>
</tr>
<tr>
<td>CHE 200</td>
<td>Public Health for the Educated Citizen</td>
<td>3</td>
</tr>
<tr>
<td>CHE 204</td>
<td>Introduction to Global Health</td>
<td>3</td>
</tr>
<tr>
<td>CHE 240</td>
<td>Community Health Education Foundations</td>
<td>3</td>
</tr>
<tr>
<td>Any three credit psychology/sociology course</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Curriculum**

(All colleges)

71 Credits (95 credits, including interdisciplinary requirements)

**CHE core (71 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HED 205</td>
<td>Introduction to Health and Wellness Education</td>
<td>3</td>
</tr>
<tr>
<td>HED 320</td>
<td>The U.S. Health Care System</td>
<td>3</td>
</tr>
<tr>
<td>HED 335</td>
<td>Human Ecology and Environmental Health</td>
<td>3</td>
</tr>
<tr>
<td>HED 345</td>
<td>Issues in Mental and Emotional Health</td>
<td>3</td>
</tr>
<tr>
<td>HED 425</td>
<td>Violence and Injury Prevention</td>
<td>3</td>
</tr>
<tr>
<td>HED 437</td>
<td>Theories of Health Behavior</td>
<td>3</td>
</tr>
<tr>
<td>HED 441</td>
<td>Human Disease Prevention and Control</td>
<td>3</td>
</tr>
<tr>
<td>HED 469</td>
<td>Drugs, Society and Human Behavior</td>
<td>3</td>
</tr>
<tr>
<td>HED 472</td>
<td>Sexual Health Promotion</td>
<td>3</td>
</tr>
<tr>
<td>HED 473</td>
<td>Health Aspects of Aging</td>
<td>3</td>
</tr>
<tr>
<td>HED 474</td>
<td>Nutrition Education</td>
<td>3</td>
</tr>
<tr>
<td>HED 477</td>
<td>Grant-seeking in Health, Human Services and Education Programs</td>
<td>3</td>
</tr>
<tr>
<td>CHE 200</td>
<td>Public Health for the Educated Citizen</td>
<td>3</td>
</tr>
<tr>
<td>CHE 204</td>
<td>Introduction to Global Health</td>
<td>3</td>
</tr>
<tr>
<td>CHE 240</td>
<td>Community Health Education Foundations</td>
<td>3</td>
</tr>
<tr>
<td>CHE 340</td>
<td>Epidemiology and Community Health Problems</td>
<td>3</td>
</tr>
<tr>
<td>CHE 350</td>
<td>Biometry and Research Design</td>
<td>3</td>
</tr>
<tr>
<td>CHE 440</td>
<td>Program Development in Community Health Education</td>
<td>3</td>
</tr>
<tr>
<td>CHE 491</td>
<td>Senior Seminar in Community Health Education</td>
<td>2</td>
</tr>
<tr>
<td>CHE 498</td>
<td>Community Health Education Preceptorship</td>
<td>15</td>
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</tbody>
</table>

**Interdisciplinary requirements applicable to general education (15-17 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPR 105</td>
<td>Creating A Healthy, Active Lifestyle</td>
<td>3</td>
</tr>
<tr>
<td>BIO 103</td>
<td>Introductory Biology</td>
<td>4</td>
</tr>
<tr>
<td>or BIO 105</td>
<td>General Biology</td>
<td>3</td>
</tr>
<tr>
<td>MIC 100</td>
<td>Microbes and Society</td>
<td>4-5</td>
</tr>
<tr>
<td>or MIC 130</td>
<td>Global Impact of Infectious Disease</td>
<td>3</td>
</tr>
<tr>
<td>CHM 100</td>
<td>Contemporary Chemistry</td>
<td>4-5</td>
</tr>
<tr>
<td>or CHM 103</td>
<td>General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>MTH 145</td>
<td>Elementary Statistics</td>
<td>4</td>
</tr>
</tbody>
</table>

**Other interdisciplinary requirements (6-8 credits)**

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESS 205</td>
<td>Human Anatomy and Physiology for Exercise Science I and Human Anatomy and Physiology for Exercise Science II</td>
<td>6</td>
</tr>
<tr>
<td>BIO 312 &amp; BIO 313</td>
<td>Human Anatomy and Physiology I and Human Anatomy and Physiology II</td>
<td>8</td>
</tr>
<tr>
<td>HED 205</td>
<td>Introduction to Health and Wellness Education</td>
<td>3</td>
</tr>
<tr>
<td>CHE 200</td>
<td>Public Health for the Educated Citizen</td>
<td>3</td>
</tr>
<tr>
<td>CHE 204</td>
<td>Introduction to Global Health</td>
<td>3</td>
</tr>
<tr>
<td>CHE 240</td>
<td>Community Health Education Foundations</td>
<td>3</td>
</tr>
<tr>
<td>Any three credit psychology/sociology course</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Degree requirements**

All students must complete the general education, college core (waived for community health education majors), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- Baccalaureate degree requirements (p. 350)

**Baccalaureate degrees**

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter
intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

School Health Education - Bachelor of Science (BS)

Major requirements

Admission to program

School health education majors and minors must meet the following additional requirements:

1. Apply for admission to teacher education;
2. Achieve a minimum 2.50 cumulative GPA to be admitted to teacher education;
3. Successfully complete a basic skills test (p. 399);
4. Achieve a minimum 2.75 combined cumulative GPA and a 2.75 GPA in professional preparation courses and major or minor course sequence to student teach;
5. Achieve a combined cumulative 2.75 GPA and successful completion of departmental exit portfolio reviewed by school health education faculty to be licensed by the state to teach.

Curriculum

(Teacher certification programs)

82 credits, including interdisciplinary requirements and student teaching

Health education and school health education requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HED 205</td>
<td>Introduction to Health and Wellness Education</td>
<td>3</td>
</tr>
<tr>
<td>HED 345</td>
<td>Issues in Mental and Emotional Health</td>
<td>3</td>
</tr>
<tr>
<td>HED 409</td>
<td>Stress Management and Relaxation Skills</td>
<td>1</td>
</tr>
<tr>
<td>HED 425</td>
<td>Violence and Injury Prevention</td>
<td>3</td>
</tr>
<tr>
<td>HED 441</td>
<td>Human Disease Prevention and Control</td>
<td>3</td>
</tr>
<tr>
<td>HED 469</td>
<td>Drugs, Society and Human Behavior</td>
<td>3</td>
</tr>
<tr>
<td>HED 472</td>
<td>Sexual Health Promotion</td>
<td>3</td>
</tr>
<tr>
<td>SHE 310</td>
<td>Introduction to Curricular Processes &amp; Instructional</td>
<td>4</td>
</tr>
<tr>
<td>SHE 410</td>
<td>Application of Curriculum Processes &amp; Instructional</td>
<td>6</td>
</tr>
<tr>
<td>SHE 415</td>
<td>School Leadership for Health Educators</td>
<td>3</td>
</tr>
<tr>
<td>SHE 492</td>
<td>Student Teaching/Intern Seminar</td>
<td>1</td>
</tr>
<tr>
<td>NUT 200</td>
<td>Human Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>Electives (approved by program advisor) ²</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td>SHE 494</td>
<td>Student Teaching: Early Childhood-Adolescence</td>
<td>3-15</td>
</tr>
<tr>
<td>or SHE 495</td>
<td>Teaching Internship</td>
<td></td>
</tr>
<tr>
<td>Interdisciplinary requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HPR 105</td>
<td>Creating A Healthy, Active Lifestyle ¹</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 103</td>
<td>Introductory Biology ¹</td>
<td></td>
</tr>
<tr>
<td>BIO 105</td>
<td>General Biology ¹</td>
<td></td>
</tr>
<tr>
<td>MIC 100</td>
<td>Microbes and Society ¹</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESS 205</td>
<td>Human Anatomy and Physiology for Exercise Science I</td>
<td>3</td>
</tr>
<tr>
<td>&amp; ESS 206</td>
<td>and Human Anatomy and Physiology for Exercise Science II</td>
<td></td>
</tr>
<tr>
<td>BIO 312</td>
<td>Human Anatomy and Physiology I</td>
<td></td>
</tr>
<tr>
<td>&amp; BIO 313</td>
<td>and Human Anatomy and Physiology II</td>
<td></td>
</tr>
<tr>
<td>PSY 212</td>
<td>Lifespan Development</td>
<td>3</td>
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<tr>
<td>PSY 370</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SPE 401</td>
<td>Introduction to Exceptional Individuals</td>
<td>3</td>
</tr>
<tr>
<td>EFN 205</td>
<td>Understanding Human Differences (ES) ¹</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ERS 100</td>
<td>Introduction to Ethnic and Racial Studies (ES) ¹</td>
<td>3</td>
</tr>
<tr>
<td>HIS 306</td>
<td>History of Ethnic America (ES) ¹</td>
<td>3</td>
</tr>
<tr>
<td>WGS 230</td>
<td>Women’s Diversity: Race, Class, and Culture (ES) ¹</td>
<td>3</td>
</tr>
<tr>
<td>SOC 225</td>
<td>Racial and Ethnic Minorities (ES) ¹</td>
<td></td>
</tr>
</tbody>
</table>

¹ These courses also may fulfill general education requirements.
² Waived for physical education majors.

Students should refer to policies identified in the School of Education section (p. 397) in this catalog, as they apply to students in all teacher certification programs. In addition, more teacher education information is on the School of Education (http://www.uwlax.edu/soe) website (http://www.uwlax.edu/soe).

Degree requirements

All students must complete the general education, college core (waived for teacher certification programs), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• Baccalaureate degree requirements (p. 351)

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. ¹ At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level
that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.

5. Complete major and minor requirements with at least a 2.00 GPA¹ in each major and minor (and concentration or emphasis, if selected).

6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)

7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

¹ Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Health and Wellness Management - Bachelor of Science (BS)

The Health and Wellness Management Program is a 63 credit collaborative (UW-River Falls, UW-Superior, UW-Stevens Point, and UW-La Crosse) online degree completion program.

Major requirements

Admission

Students must have completed 60 credits or earned an Associate degree in order to enroll in the program. Students will need to have satisfied UW System minimum general education breadth requirements as stipulated in the UW System Associate Degree Transfer Policy. Prerequisites for admission will be college algebra, statistics, general chemistry, introduction to biology, and introductory communications, or their equivalents, passed with grades of “C” or better. Each student must identify a home campus (River Falls, Superior, Stevens Point, La Crosse) and will apply to that campus; upon acceptance the student will be subject to all graduation requirements of that campus.

Students enrolled in the Health and Wellness Management Program will be exempt from the College of Science and Health curriculum core.

Required coursework

(College of Science and Health)

63 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HWM 300</td>
<td>Introduction to Human Health</td>
<td>3</td>
</tr>
<tr>
<td>HWM 310</td>
<td>Changes Across the Lifespan</td>
<td>3</td>
</tr>
<tr>
<td>HWM 320</td>
<td>Health and Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>HWM 330</td>
<td>Survey of Information Technology in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>HWM 340</td>
<td>The Wellness Professional</td>
<td>3</td>
</tr>
<tr>
<td>HWM 350</td>
<td>Applied Research Methods/Evidence-Based Decision Making</td>
<td>3</td>
</tr>
<tr>
<td>HWM 360</td>
<td>Stress and Dependencies and Addictions</td>
<td>3</td>
</tr>
<tr>
<td>HWM 370</td>
<td>Health Behavior/Understanding and Effecting Change</td>
<td>3</td>
</tr>
<tr>
<td>HWM 380</td>
<td>Environmental Health</td>
<td>3</td>
</tr>
<tr>
<td>HWM 390</td>
<td>Wellness Marketing and Health Communication</td>
<td>3</td>
</tr>
<tr>
<td>HWM 400</td>
<td>Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>HWM 410</td>
<td>Applied Anatomy and Applied Fitness Principles</td>
<td>3</td>
</tr>
<tr>
<td>HWM 420</td>
<td>Health Literacy</td>
<td>3</td>
</tr>
<tr>
<td>HWM 430</td>
<td>Population Health</td>
<td>3</td>
</tr>
<tr>
<td>HWM 440</td>
<td>Introduction to Health and Wellness Coaching</td>
<td>3</td>
</tr>
<tr>
<td>HWM 450</td>
<td>Medical Ethics/Medical Policy</td>
<td>3</td>
</tr>
<tr>
<td>HWM 460</td>
<td>Leadership and Change Management in Health</td>
<td>3</td>
</tr>
<tr>
<td>HWM 470</td>
<td>Assessment and Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>HWM 480</td>
<td>Health Benefit Plans and Providers</td>
<td>3</td>
</tr>
<tr>
<td>HWM 490</td>
<td>Employee Health and Well-Being</td>
<td>3</td>
</tr>
<tr>
<td>HWM 495</td>
<td>Capstone in Human Health and Wellness</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 63

Degree requirements

All students must complete the general education, college core (waived for health and wellness management majors), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- Baccalaureate degree requirements (p. 352)

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. ¹ At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA¹ in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.
Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

School Health Education Minor for Early Childhood - Adolescence Certification

Admission to program

School health education majors and minors must meet the following additional requirements:

1. Apply for admission to teacher education;
2. Achieve a minimum 2.50 cumulative GPA to be admitted to teacher education;
3. Successfully complete a basic skills test (p. 399);
4. Achieve a minimum 2.75 combined cumulative GPA and a 2.75 GPA in professional preparation courses and major or minor course sequence to student teach;
5. Achieve a combined cumulative 2.75 GPA and successful completion of departmental exit portfolio reviewed by school health education faculty to be licensed by the state to teach.

Curriculum

(Teacher certification programs)

38 credits plus 19 interdisciplinary credits

Health education and school health education requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HED 205</td>
<td>Introduction to Health and Wellness Education</td>
</tr>
<tr>
<td>HED 345</td>
<td>Issues in Mental and Emotional Health</td>
</tr>
<tr>
<td>HED 425</td>
<td>Violence and Injury Prevention</td>
</tr>
<tr>
<td>HED 441</td>
<td>Human Disease Prevention and Control</td>
</tr>
<tr>
<td>HED 469</td>
<td>Drugs, Society and Human Behavior</td>
</tr>
<tr>
<td>HED 472</td>
<td>Sexual Health Promotion</td>
</tr>
<tr>
<td>SHE 310</td>
<td>Introduction to Curricular Processes &amp; Instructional Techniques</td>
</tr>
<tr>
<td>SHE 410</td>
<td>Application of Curriculum Processes &amp; Instructional Techniques</td>
</tr>
<tr>
<td>SHE 415</td>
<td>School Leadership for Health Educators</td>
</tr>
<tr>
<td>SHE 492</td>
<td>Student Teaching/Intern Seminar</td>
</tr>
<tr>
<td>NUT 200</td>
<td>Human Nutrition</td>
</tr>
<tr>
<td>SHE 494</td>
<td>Student Teaching: Early Childhood-Adolescence</td>
</tr>
<tr>
<td></td>
<td>or SHE 495 Teaching Internship</td>
</tr>
</tbody>
</table>

Total Credits 38

Interdisciplinary requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPR 105</td>
<td>Creating A Healthy, Active Lifestyle</td>
</tr>
<tr>
<td>or HED 207</td>
<td>Youth Health Issues</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
</tr>
<tr>
<td>BIO 103</td>
<td>Introductory Biology</td>
</tr>
</tbody>
</table>

School Health Education Minor for Elementary-Middle Level Education Program

Admission to program

School health education majors and minors must meet the following additional requirements:

1. Apply for admission to teacher education;
2. Achieve a minimum 2.50 cumulative GPA to be admitted to teacher education;
3. Successfully complete a basic skills test (p. 399);
4. Achieve a minimum 2.75 combined cumulative GPA and a 2.75 GPA in professional preparation courses and major or minor course sequence to student teach;
5. Achieve a combined cumulative 2.75 GPA and successful completion of departmental exit portfolio reviewed by school health education faculty to be licensed by the state to teach.

Curriculum

(Teacher certification programs)

31 credits plus 19 credits of interdisciplinary credits

Health education and school health education requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HED 205</td>
<td>Introduction to Health and Wellness Education</td>
</tr>
<tr>
<td>HED 345</td>
<td>Issues in Mental and Emotional Health</td>
</tr>
<tr>
<td>HED 409</td>
<td>Stress Management and Relaxation Skills</td>
</tr>
<tr>
<td>HED 441</td>
<td>Human Disease Prevention and Control</td>
</tr>
<tr>
<td>HED 469</td>
<td>Drugs, Society and Human Behavior</td>
</tr>
<tr>
<td>HED 472</td>
<td>Sexual Health Promotion</td>
</tr>
<tr>
<td>SHE 310</td>
<td>Introduction to Curricular Processes &amp; Instructional Techniques</td>
</tr>
<tr>
<td>SHE 410</td>
<td>Application of Curriculum Processes &amp; Instructional Techniques</td>
</tr>
<tr>
<td>SHE 415</td>
<td>School Leadership for Health Educators</td>
</tr>
</tbody>
</table>

Select one of the following: |

BIO 105 General Biology
MIC 100 Microbes and Society
ESS 205 & ESS 206 Human Anatomy and Physiology for Exercise Science I and II
BIO 312 & BIO 313 Human Anatomy and Physiology I and II
EFN 205 Understanding Human Differences (ES)
ERS 100 Introduction to Ethnic and Racial Studies (ES)
HIS 306 History of Ethnic America (ES)
WGS 230 Women’s Diversity: Race, Class, and Culture (ES)
SOC 225 Racial and Ethnic Minorities (ES)
### Health Professions (HP)

*College of Science and Health*

**Department Chair: Peggy Denton**

4049 Health Science Center; 608.785.8303

Email: pdenton@uw lax .edu

www .uw lax .edu/sah/health-professions

The Department of Health Professions at UW-L offers six exciting fully-accredited healthcare education programs. These programs are:

- Medical Dosimetry (http://catalog .uw lax .edu/graduate/programrequirements/medicaldosimetry) (DOS - certificate program and master’s),
- Nuclear Medicine Technology (p. 373) (NMT - bachelor’s level),
- Occupational Therapy (http://catalog .uw lax .edu/graduate/programrequirements/occupationaltherapy) (OT - master’s level),
- Physical Therapy (http://catalog .uw lax .edu/graduate/programrequirements/physicaltherapy) (DPT - doctorate level),
- Physician Assistant (http://catalog .uw lax .edu/graduate/programrequirements/physicianassistant) (PAS - master’s level), and
- Radiation Therapy (p. 389) (RT - bachelor’s level).

These programs have achieved regional and national recognition for excellence in professional healthcare education, and the placement rate of our graduating students approaches 100%.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUT 200</td>
<td>Human Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>SHE 494</td>
<td>Student Teaching: Early Childhood-Adolescence</td>
<td>3</td>
</tr>
<tr>
<td>or SHE 495</td>
<td>Teaching Internship</td>
<td></td>
</tr>
<tr>
<td>Total Credits</td>
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<td>31</td>
</tr>
</tbody>
</table>

### Interdisciplinary requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPR 105</td>
<td>Creating A Healthy, Active Lifestyle</td>
<td>3</td>
</tr>
<tr>
<td>or HED 207</td>
<td>Youth Health Issues</td>
<td></td>
</tr>
<tr>
<td>BIO 103</td>
<td>Introductory Biology</td>
<td></td>
</tr>
<tr>
<td>BIO 105</td>
<td>General Biology</td>
<td></td>
</tr>
<tr>
<td>MIC 100</td>
<td>Microbes and Society</td>
<td></td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>ESS 205 &amp; ESS 206</td>
<td>Human Anatomy and Physiology for Exercise Science I and Human Anatomy and Physiology for Exercise Science II</td>
<td>6-8</td>
</tr>
<tr>
<td>BIO 312 &amp; BIO 313</td>
<td>Human Anatomy and Physiology I and Human Anatomy and Physiology II</td>
<td></td>
</tr>
<tr>
<td>EFN 205</td>
<td>Understanding Human Differences (ES)</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ERS 100</td>
<td>Introduction to Ethnic and Racial Studies (ES)</td>
<td></td>
</tr>
<tr>
<td>HIS 306</td>
<td>History of Ethnic America (ES)</td>
<td></td>
</tr>
<tr>
<td>WGS 230</td>
<td>Women’s Diversity: Race, Class, and Culture (ES)</td>
<td></td>
</tr>
<tr>
<td>SOC 225</td>
<td>Racial and Ethnic Minorities (ES)</td>
<td></td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>19</td>
</tr>
</tbody>
</table>

1 These courses also may fulfill general education requirements.

Each of these programs has an identified professional curriculum including both didactic and clinical experiences which leads to a degree. Each program has defined pre-professional prerequisite and admission criteria, which must be completed before seeking admission to the professional program. UW-L students interested in one of these fields will declare that discipline as a pre-professional second major (e.g. pre-OT) prior to making formal application to that program. Students interested in transferring to UW-L to enroll in a health professions program should consult that program for advice regarding transfer. Student participation in each program is governed by program specific policies that can be obtained directly from the program.

Each of the health professions department programs requires students to have a criminal background check prior to beginning professional course work. These are required by health care institutions that students will be attending during their program. Unacceptable criminal background checks may jeopardize the student’s ability to complete their professional program. Further information about the criminal background check is available on each program’s website.

### Our people

**Professor**

Dennis Fater

Thomas Kernozek

**Associate Professor**

Peggy Denton

Deborah Dougherty

Karen Graham

John Greany

Thomas Greiner

Erin Hussey

Nishele Lenards

Robin McCannon

Mary Rathgaber

Paul Reuteman

Michele Thorman

**Assistant Professor**

Angela Binsfield

Patricia Campbell

Amanda Carpenter

Stefanie Czosnyka

Martin Devine

Patrick Grabowski

Virginia Gronwaldt

Frederick Kupfer
Credit by examination

The Department of Mathematics awards credit by examination in MTH 150 College Algebra (4 cr.); MTH 151 Precalculus (4 cr.); MTH 207 Calculus I (5 cr.); and MTH 208 Calculus II (4 cr.). The exams may be taken by new first years and are scheduled for the second week of semester I. Students may not earn credit by examination in both MTH 150 and MTH 151. Credit for MTH 145 Elementary Statistics (4 cr.) will be granted to entering first years with a College Board Advanced Placement Statistics Examination score of three or better. Credit for MTH 207 will be granted to entering first years with a College Board Advanced Placement AB exam score of four or better. Entering first years with a score of three on the BC Calculus examination are awarded credit for MTH 207; students with a score of 4 or 5 on the BC Calculus examination are awarded credit for both MTH 207 and MTH 208.

Retroactive credits

Students taking MTH 207 Calculus I, MTH 208 Calculus II, MTH 309 Linear Algebra with Differential Equations, or MTH 310 Calculus III: Multivariate Calculus, and earning a grade of "B" or better, will be given retroactive credit for MTH 151 Precalculus (4 cr.) provided that the student’s transcript shows no record of prior or concurrent enrollment in MTH 151, MTH 207, MTH 208, MTH 309, or MTH 310.

General education writing emphasis

This department incorporates a significant amount of writing through the required courses instead of identifying particular courses as writing emphasis courses. Students who complete a major in this department will fulfill the general education writing emphasis requirement (p. 50).

Our people

Professor
Robert Hoar  
Susan Kelly  
Rebecca LeDocq  
David Reineke  
Bruce Riley  
Steven Senger

Associate Professor
Robert Allen  
Jeffrey Baggett  
Barbara Bennie  
Melissa Bingham  
Jeffrey Boyle  
Abdulaziz Elfessi  
Heather Hulett  
Karl Kattchee  
Jennifer Kosiak
Andrew Matchett  
James Peirce  
Sherwin Toribio  
Todd Will  
Huiya Yan  

**Assistant Professor**  
Douglas Baumann  
Matthew Chedister  
Song Chen  
Tusher Das  
Eric Eager  
Whitney George  
Joshua Hertel  
Edward Kim  
Heather Mathison  
Jenni McCool  
Crystal Vesperman  
Chad Vidden  
Nathan Warnberg  

**Lecturer**  
Benjamin Anderson  
Gary Dickinson  
Samuel Morris  
David Olson  
William Schilla  
Judy Young  

**Administrative Support**  
Karoline Auby  

**Majors**  
- Mathematics - BA (p. 356)  
- Mathematics - BS (p. 357)  
- Mathematics major with applied emphasis - BS (p. 358)  
- Mathematics major with education emphasis - BS (p. 359)  
- Mathematics education major (early adolescence-adolescence certification) - BS (p. 360)  
- Statistics - BS (p. 361)  
- Statistics major with concentration in actuarial science - BS (p. 362)  
- Dual degree program in mathematics and engineering (p. 363)  

**Minors**  
- Mathematics minor (p. 364)  
- Statistics minor (p. 364)  
- Mathematics education minor (early adolescence-adolescence certification) (p. 364)  
- Mathematics education minor (middle childhood-early adolescence certification) (p. 364)  
- Mathematics minor with education emphasis (p. 365)  

**Mathematics - Bachelor of Arts (BA)**  

**Major Requirements**  
(All colleges, excluding teacher certification programs)  
35-36 credits (39-40 total credits including CS 120)  

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 207</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MTH 208</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MTH 225</td>
<td>Logic and Discrete Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>MTH 309</td>
<td>Linear Algebra with Differential Equations</td>
<td>4</td>
</tr>
<tr>
<td>MTH 310</td>
<td>Calculus III: Multivariate Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MTH 407</td>
<td>Real Analysis I</td>
<td>3</td>
</tr>
<tr>
<td>MTH 411</td>
<td>Abstract Algebra I</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 9 credits of the following:  

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 245</td>
<td>Probability and Statistics</td>
</tr>
<tr>
<td>MTH 311</td>
<td>Number Theory</td>
</tr>
<tr>
<td>MTH 317</td>
<td>Graph Theory</td>
</tr>
<tr>
<td>MTH 320</td>
<td>History of Mathematics</td>
</tr>
<tr>
<td>MTH 331</td>
<td>Introduction to Modern Geometry</td>
</tr>
<tr>
<td>MTH 353</td>
<td>Differential Equations</td>
</tr>
<tr>
<td>MTH 371</td>
<td>Introduction to Numerical Methods</td>
</tr>
<tr>
<td>MTH 408</td>
<td>Real Analysis II</td>
</tr>
<tr>
<td>MTH 410</td>
<td>Complex Analysis</td>
</tr>
<tr>
<td>MTH 412</td>
<td>Abstract Algebra II</td>
</tr>
<tr>
<td>MTH 413</td>
<td>Topics in Linear Algebra</td>
</tr>
<tr>
<td>MTH 441</td>
<td>Mathematical Statistics I</td>
</tr>
<tr>
<td>MTH 442</td>
<td>Mathematical Statistics II</td>
</tr>
<tr>
<td>MTH 461</td>
<td>Mathematical Physics</td>
</tr>
<tr>
<td>MTH 480</td>
<td>Studies in Applied Mathematics</td>
</tr>
<tr>
<td>CS 453</td>
<td>Introduction to Theory of Computation</td>
</tr>
<tr>
<td>PHY 470</td>
<td>Advanced Quantum Mechanics</td>
</tr>
</tbody>
</table>

Total Credits: 36  

In addition CS 120 Software Design I (4 cr.) must be taken.  

**Degree Requirements**  
All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.
• General education (p. 50)
• College core (p. 357)
• Baccalaureate degree requirements (p. 357)

SAH Bachelor of Arts core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

For the Bachelor of Arts degree, students must complete a major from the college and proficiency in a foreign language at the 202 level or an ESL proficiency score of 80 or above on the La Crosse Battery of exams for non-native speakers of English. Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations. Students must also complete:

• a minor in the College of Liberal Studies or
• 15 credits at the 300/400 level in the College of Liberal Studies. Internship credits generally do not count toward this college core option.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Mathematics - Bachelor of Science (BS)

Major Requirements

(All colleges, excluding teacher certification programs)

35-36 credits (39-40 total credits including CS 120)

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
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<tr>
<td>MTH 411</td>
<td>Abstract Algebra I</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 9 credits of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 245</td>
<td>Probability and Statistics</td>
<td>1</td>
</tr>
<tr>
<td>MTH 311</td>
<td>Number Theory</td>
<td>1</td>
</tr>
<tr>
<td>MTH 317</td>
<td>Graph Theory</td>
<td>1</td>
</tr>
<tr>
<td>MTH 320</td>
<td>History of Mathematics</td>
<td>1</td>
</tr>
<tr>
<td>MTH 331</td>
<td>Introduction to Modern Geometry</td>
<td>1</td>
</tr>
<tr>
<td>MTH 353</td>
<td>Differential Equations</td>
<td>1</td>
</tr>
<tr>
<td>MTH 371</td>
<td>Introduction to Numerical Methods</td>
<td>1</td>
</tr>
<tr>
<td>MTH 408</td>
<td>Real Analysis II</td>
<td>1</td>
</tr>
<tr>
<td>MTH 410</td>
<td>Complex Analysis</td>
<td>1</td>
</tr>
<tr>
<td>MTH 412</td>
<td>Abstract Algebra II</td>
<td>1</td>
</tr>
<tr>
<td>MTH 413</td>
<td>Topics in Linear Algebra</td>
<td>1</td>
</tr>
<tr>
<td>MTH 441</td>
<td>Mathematical Statistics I</td>
<td>1</td>
</tr>
<tr>
<td>MTH 442</td>
<td>Mathematical Statistics II</td>
<td>1</td>
</tr>
<tr>
<td>MTH 461</td>
<td>Mathematical Physics</td>
<td>1</td>
</tr>
<tr>
<td>MTH 480</td>
<td>Studies in Applied Mathematics</td>
<td>1</td>
</tr>
<tr>
<td>CS 453</td>
<td>Introduction to Theory of Computation</td>
<td>1</td>
</tr>
<tr>
<td>PHY 470</td>
<td>Advanced Quantum Mechanics</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Credits 36

1 may substitute CS 225 for MTH 225.

In addition CS 120 Software Design I (4 cr.) must be taken.

Degree Requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.
SAH Bachelor of Science core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the mathematical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

For the Bachelor of Science degree, students must complete a major from the college plus:

- a minor (or a second major) from any college or
- 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Mathematics Major with Applied Emphasis (BS)

Major requirements

(All colleges, excluding teacher certification programs)

39 credits (43 total credits including CS 120 Software Design I (4 cr.))

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 207</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MTH 208</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MTH 225</td>
<td>Logic and Discrete Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>MTH 309</td>
<td>Linear Algebra with Differential Equations</td>
<td>4</td>
</tr>
<tr>
<td>MTH 310</td>
<td>Calculus III: Multivariate Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MTH 353</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MTH 371</td>
<td>Introduction to Numerical Methods</td>
<td>3</td>
</tr>
<tr>
<td>MTH 461</td>
<td>Mathematical Physics</td>
<td>3</td>
</tr>
<tr>
<td>or MTH 480</td>
<td>Studies in Applied Mathematics</td>
<td></td>
</tr>
</tbody>
</table>

Select nine credits of the following: 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 245</td>
<td>Probability and Statistics</td>
<td></td>
</tr>
<tr>
<td>MTH 407</td>
<td>Real Analysis I</td>
<td></td>
</tr>
<tr>
<td>MTH 408</td>
<td>Real Analysis II</td>
<td></td>
</tr>
<tr>
<td>MTH 410</td>
<td>Complex Analysis</td>
<td></td>
</tr>
<tr>
<td>MTH 413</td>
<td>Topics in Linear Algebra</td>
<td></td>
</tr>
<tr>
<td>MTH 441</td>
<td>Mathematical Statistics I</td>
<td></td>
</tr>
<tr>
<td>MTH 442</td>
<td>Mathematical Statistics II</td>
<td></td>
</tr>
<tr>
<td>MTH 448</td>
<td>Operations Research</td>
<td></td>
</tr>
<tr>
<td>MTH 461</td>
<td>Mathematical Physics</td>
<td></td>
</tr>
<tr>
<td>MTH 480</td>
<td>Studies in Applied Mathematics</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 39

1 Three of these credits may be met by completing one of the following courses: CHM 310 Physical Chemistry Theory II (3 cr.), CS 453 Introduction to Theory of Computation (3 cr.), PHY 470 Advanced Quantum Mechanics (3 cr.), PHY 474 Advanced Computational Physics (4 cr.)

In addition, CS 120 Software Design I (4 cr.) must be taken.

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 359)
- Baccalaureate degree requirements (p. 359)
SAH Bachelor of Science core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the mathematical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

For the Bachelor of Science degree, students must complete a major from the college plus:

- a minor (or a second major) from any college or
- 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

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2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA.1 At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA1 in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Mathematics Major with Education Emphasis

Major requirements

(All colleges, excluding teacher certification programs)

36-37 credits (41-42 total credits including CS 120)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 207</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MTH 208</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MTH 225</td>
<td>Logic and Discrete Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>MTH 245</td>
<td>Probability and Statistics</td>
<td>4</td>
</tr>
<tr>
<td>MTH 309</td>
<td>Linear Algebra with Differential Equations</td>
<td>4</td>
</tr>
<tr>
<td>MTH 310</td>
<td>Calculus III: Multivariate Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MTH 331</td>
<td>Introduction to Modern Geometry</td>
<td>3</td>
</tr>
<tr>
<td>MTH 411</td>
<td>Abstract Algebra I</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 6 credits of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 151</td>
<td>Precalculus (if taken for grade rather than retro-credit)</td>
<td>6</td>
</tr>
<tr>
<td>MTH 311</td>
<td>Number Theory</td>
<td></td>
</tr>
<tr>
<td>MTH 317</td>
<td>Graph Theory</td>
<td></td>
</tr>
<tr>
<td>MTH 320</td>
<td>History of Mathematics</td>
<td></td>
</tr>
<tr>
<td>MTH 353</td>
<td>Differential Equations</td>
<td></td>
</tr>
<tr>
<td>MTH 371</td>
<td>Introduction to Numerical Methods</td>
<td></td>
</tr>
<tr>
<td>MTH 407</td>
<td>Real Analysis I</td>
<td></td>
</tr>
<tr>
<td>MTH 410</td>
<td>Complex Analysis</td>
<td></td>
</tr>
<tr>
<td>MTH 413</td>
<td>Topics in Linear Algebra</td>
<td></td>
</tr>
<tr>
<td>MTH 441</td>
<td>Mathematical Statistics I</td>
<td></td>
</tr>
<tr>
<td>MTH 442</td>
<td>Mathematical Statistics II</td>
<td></td>
</tr>
<tr>
<td>MTH 461</td>
<td>Mathematical Physics</td>
<td></td>
</tr>
<tr>
<td>MTH 480</td>
<td>Studies in Applied Mathematics</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 37

1 Can substitute CS 225 for MTH 225. Students taking CS 225 will need seven credits of electives in math rather than six credits.

In addition CS 120 Software Design I (4 cr.) must be taken.

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 359)
- Baccalaureate degree requirements (p. 360)

SAH Bachelor of Science core requirements

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Mathematics Education Major
(Early Adolescence-Adolescence Certification) - Bachelor of Science (BS)

Major requirements
Admission requirements for STEP Program (p. 403)
(Teacher certification program: early adolescence-adolescence certification)

40-41 credits (43-45 total credits including CT 100 or CS 120)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 207</td>
<td>Calculus I</td>
<td>5</td>
</tr>
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<tr>
<td>MTH 245</td>
<td>Probability and Statistics</td>
<td>4</td>
</tr>
<tr>
<td>MTH 309</td>
<td>Linear Algebra with Differential Equations</td>
<td>4</td>
</tr>
<tr>
<td>MTH 310</td>
<td>Calculus III: Multivariate Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MTH 321</td>
<td>Teaching Mathematics with Technology</td>
<td>3</td>
</tr>
<tr>
<td>MTH 331</td>
<td>Introduction to Modern Geometry</td>
<td>3</td>
</tr>
<tr>
<td>MTH 421</td>
<td>Teaching and Learning Mathematics and</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Computer Science in the Secondary School</td>
<td></td>
</tr>
</tbody>
</table>

Select two additional courses of the following: (at least one course must be at the 400 level)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 311</td>
<td>Number Theory</td>
</tr>
<tr>
<td>MTH 317</td>
<td>Graph Theory</td>
</tr>
<tr>
<td>MTH 320</td>
<td>History of Mathematics</td>
</tr>
<tr>
<td>MTH 353</td>
<td>Differential Equations</td>
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<td>MTH 411</td>
<td>Abstract Algebra I</td>
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<td>Topics in Linear Algebra</td>
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<td>MTH 442</td>
<td>Mathematical Statistics II</td>
</tr>
<tr>
<td>MTH 461</td>
<td>Mathematical Physics</td>
</tr>
<tr>
<td>MTH 480</td>
<td>Studies in Applied Mathematics</td>
</tr>
</tbody>
</table>

Total Credits 41

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Degree requirements
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Statistics Major - Bachelor of Science (BS)

Major requirements

(All colleges, excluding teacher certification programs)

40 credits (44 total credits including CS 120):

<table>
<thead>
<tr>
<th>Course</th>
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</tr>
</thead>
<tbody>
<tr>
<td>MTH 207</td>
<td>Calculus I</td>
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</tr>
<tr>
<td>MTH 245</td>
<td>Probability and Statistics</td>
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</tr>
<tr>
<td>MTH 309</td>
<td>Linear Algebra with Differential Equations</td>
<td>4</td>
</tr>
<tr>
<td>MTH 310</td>
<td>Calculus III: Multivariate Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MTH 405</td>
<td>Statistical Methods</td>
<td>3</td>
</tr>
<tr>
<td>MTH 440</td>
<td>Statistical Consulting</td>
<td>1</td>
</tr>
<tr>
<td>MTH 441</td>
<td>Mathematical Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MTH 442</td>
<td>Mathematical Statistics II</td>
<td>3</td>
</tr>
<tr>
<td>MTH 445</td>
<td>Correlation and Regression Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 446</td>
<td>Analysis of Variance and Design of Experiments</td>
<td>3</td>
</tr>
<tr>
<td>Select 3 credits of the following:</td>
<td></td>
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</tr>
<tr>
<td>MTH 371</td>
<td>Introduction to Numerical Methods</td>
<td>3</td>
</tr>
<tr>
<td>MTH 407</td>
<td>Real Analysis I</td>
<td></td>
</tr>
<tr>
<td>MTH 443</td>
<td>Categorical Data Analysis</td>
<td></td>
</tr>
<tr>
<td>MTH 447</td>
<td>Nonparametric Statistics</td>
<td></td>
</tr>
<tr>
<td>MTH 449</td>
<td>Applied Multivariate Statistics</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 40

In addition, CS 120 Software Design I must be taken.

Students may not double major in mathematics and statistics.

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 361)
- Baccalaureate degree requirements (p. 361)

SAH Bachelor of Science core requirements

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4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.

5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).

6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)

7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Statistics Major with Concentration in Actuarial Science - Bachelor of Science (BS)

Major requirements

(All colleges, excluding teacher certification programs)

55 credits (59 total credits including CS 120):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 207</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MTH 208</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MTH 245</td>
<td>Probability and Statistics</td>
<td>4</td>
</tr>
<tr>
<td>MTH 309</td>
<td>Linear Algebra with DE</td>
<td>4</td>
</tr>
<tr>
<td>MTH 310</td>
<td>Calculus III: Multivariate</td>
<td>4</td>
</tr>
<tr>
<td>MTH 405</td>
<td>Statistical Methods</td>
<td>3</td>
</tr>
<tr>
<td>MTH 440</td>
<td>Statistical Consulting</td>
<td>1</td>
</tr>
<tr>
<td>MTH 441</td>
<td>Mathematical Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MTH 442</td>
<td>Mathematical Statistics II</td>
<td>3</td>
</tr>
<tr>
<td>MTH 445</td>
<td>Correlation and Regression Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MTH 446</td>
<td>Analysis of Variance and Design of Experiments</td>
<td>3</td>
</tr>
<tr>
<td>ACC 221</td>
<td>Accounting Principles I</td>
<td>3</td>
</tr>
<tr>
<td>ACC 222</td>
<td>Accounting Principles II</td>
<td>3</td>
</tr>
<tr>
<td>ECO 110</td>
<td>Microeconomics and Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>ECO 120</td>
<td>Global Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 355</td>
<td>Principles of Financial Management</td>
<td>3</td>
</tr>
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Select three credits of the following:

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</thead>
<tbody>
<tr>
<td>MTH 371</td>
<td>Introduction to Numerical Methods</td>
<td>3</td>
</tr>
<tr>
<td>MTH 407</td>
<td>Real Analysis I</td>
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</tr>
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<td>MTH 443</td>
<td>Categorical Data Analysis</td>
<td>3</td>
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<td>MTH 447</td>
<td>Nonparametric Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MTH 448</td>
<td>Operations Research</td>
<td>3</td>
</tr>
</tbody>
</table>

MTH 449 Applied Multivariate Statistics

Total Credits 55

In addition, CS 120 Software Design I must be taken.

Students may not double major in mathematics and statistics with concentration in actuarial science.

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• College core (p. 362)
• Baccalaureate degree requirements (p. 362)

SAH Bachelor of Science core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

For the Bachelor of Science degree, students must complete a major from the college plus:

• a minor (or a second major) from any college or
• 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA\(^1\) in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession students should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Dual Degree Program in Mathematics and Engineering

Major requirements

Students with a math major who are also interested in engineering are able to receive both a Bachelor of Science (mathematics major) from UW-La Crosse and a Bachelor of Science (engineering major) from UW-Madison. At UW-L, students must complete a minimum of 85 credits, including the general education requirements and specific math and science course in preparation for the engineering program. Students are recommended to include the following courses in their work at UW-L:

- CHM 103 General Chemistry I
- CHM 104 General Chemistry II
- CS 120 Software Design I
- ECO 110 Microeconomics and Public Policy
- ECO 120 Global Macroeconomics
- ECO 336 Women in the U.S. Economy (ES)
- MTH 207 Calculus I
- MTH 208 Calculus II
- MTH 225 Logic and Discrete Mathematics
- MTH 245 Probability and Statistics
- MTH 309 Linear Algebra with Differential Equations
- MTH 310 Calculus III: Multivariate Calculus
- MTH 353 Differential Equations
- MTH 371 Introduction to Numerical Methods
- MTH 480 Studies in Applied Mathematics or MTH 461 Mathematical Physics
- PHY 203 General Physics I
- PHY 204 General Physics II
- PHY 321 Classical Mechanics

Students interested in industrial engineering should add ACC 221 Accounting Principles I (3 cr.). Students should consult with the mathematics department chair for specific course and sequence advising for this agreement.

In order to receive the B.S. degree (mathematics major) from UW-L, students have two options:

1. Complete the selected engineering program at UW-Madison, or
2. Complete applicable math courses at UW-Madison to satisfy the remaining math electives required for mathematics major at UW-L.

In either case the student would then transfer these credits to UW-La Crosse. For the typical student, the remaining credits must include 10-13 credits at the 300 level or above. This transfer of credits and awarding of the B.S. degree (mathematics major) by UW-L can take place as soon as the student demonstrates completion of math courses at UW-Madison to meet UW-L mathematics electives requirements or the completion of the engineering sequence at UW-Madison.

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 363)
- Baccalaureate degree requirements (p. 363)

SAH Bachelor of Science core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

For the Bachelor of Science degree, students must complete a major from the college plus:

- a minor (or a second major) from any college or
- 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.

5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).

6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)

7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Mathematics Minor

(All colleges, excluding middle childhood-early adolescence certification program)

22 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 207</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MTH 208</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MTH 309</td>
<td>Linear Algebra with Differential Equations</td>
<td>4</td>
</tr>
<tr>
<td>Select nine credits of the following: 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MTH 225</td>
<td>Logic and Discrete Mathematics 2</td>
<td>9</td>
</tr>
<tr>
<td>MTH 245</td>
<td>Probability and Statistics</td>
<td></td>
</tr>
<tr>
<td>MTH 265</td>
<td>Mathematical Models in Biology</td>
<td></td>
</tr>
<tr>
<td>MTH courses numbered 300 and above</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 22

1 Credit for MTH 151 Precalculus (4 cr.) may be used to fulfill three of the nine additional credits.

2 Can substitute CS 225 for MTH 225. Credit will be given for only one course.

Computer science majors may count MTH 317 Graph Theory (3 cr.), MTH 371 Introduction to Numerical Methods (3 cr.) and CS 453 Introduction to Theory of Computation (3 cr.) for credit in both the computer science major and the mathematics minor.

Physics majors may count MTH 461 Mathematical Physics (3 cr.) and PHY 470 Advanced Quantum Mechanics (3 cr.) for credit in both the physics major and the mathematics minor.

Statistics Minor

(All colleges)

20 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 145</td>
<td>Elementary Statistics</td>
<td>4</td>
</tr>
<tr>
<td>MTH 175</td>
<td>Applied Calculus</td>
<td>4-5</td>
</tr>
<tr>
<td>or MTH 207</td>
<td>Calculus I</td>
<td></td>
</tr>
<tr>
<td>MTH 405</td>
<td>Statistical Methods</td>
<td>3</td>
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<tr>
<td>Select nine credits of the following: 9</td>
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<td></td>
</tr>
<tr>
<td>MTH 443</td>
<td>Categorical Data Analysis</td>
<td></td>
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<td>MTH 445</td>
<td>Correlation and Regression Analysis</td>
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<td>MTH 446</td>
<td>Analysis of Variance and Design of Experiments</td>
<td></td>
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<tr>
<td>MTH 447</td>
<td>Nonparametric Statistics</td>
<td></td>
</tr>
<tr>
<td>MTH 448</td>
<td>Operations Research</td>
<td></td>
</tr>
<tr>
<td>MTH 449</td>
<td>Applied Multivariate Statistics</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 20

With the approval of the Department of Mathematics Chair, a research methods course from another department may be substituted for three of the nine additional credits. MTH 245 Probability and Statistics may be substituted for MTH 145 Elementary Statistics.

This minor is not available to mathematics majors.

Mathematics Education Minor

(Early Adolescence-Adolescence Certification)

(Teacher certification programs, excluding middle childhood-early adolescence level education)

28 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 207</td>
<td>Calculus I</td>
<td>5</td>
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<tr>
<td>MTH 208</td>
<td>Calculus II</td>
<td>4</td>
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<tr>
<td>MTH 225</td>
<td>Logic and Discrete Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>MTH 245</td>
<td>Probability and Statistics</td>
<td>4</td>
</tr>
<tr>
<td>MTH 309</td>
<td>Linear Algebra with Differential Equations</td>
<td>4</td>
</tr>
<tr>
<td>MTH 310</td>
<td>Calculus III: Multivariate Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MTH 331</td>
<td>Introduction to Modern Geometry</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits: 28

Early adolescence-adolescence teacher certification candidates must also complete MTH 421 Teaching and Learning Mathematics and Computer Science in the Secondary School (4 cr.).

Mathematics Education Minor

(Middle Childhood-Early Adolescence)

(Teacher certification programs)

22 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 135</td>
<td>Mathematics for Elementary Teachers I</td>
<td>4</td>
</tr>
<tr>
<td>MTH 136</td>
<td>Mathematics for Elementary Teachers II</td>
<td>4</td>
</tr>
<tr>
<td>MTH 171</td>
<td>Geometry for Elementary and Middle School Teachers</td>
<td>3</td>
</tr>
<tr>
<td>MTH 280</td>
<td>Algebraic Reasoning and Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>MTH 175</td>
<td>Applied Calculus</td>
<td>4-5</td>
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</table>
or MTH 207  Calculus I  
Select four credits of the following:  

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<td>MTH 151</td>
<td>Precalculus</td>
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<td>Calculus II</td>
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<td>MTH 265</td>
<td>Mathematical Models in Biology</td>
<td>4</td>
</tr>
<tr>
<td>MTH 321</td>
<td>Teaching Mathematics with Technology</td>
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</tr>
<tr>
<td>Other MTH courses numbered 300 and above</td>
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<td></td>
</tr>
</tbody>
</table>

Total Credits 22

**Mathematics Minor with Education Emphasis**

(All colleges, excluding teacher certification programs)

27-28 credits

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>MTH 207</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MTH 208</td>
<td>Calculus II</td>
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<td>MTH 225</td>
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<td>Probability and Statistics</td>
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<tr>
<td>MTH 309</td>
<td>Linear Algebra with Differential Equations</td>
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<tr>
<td>MTH 310</td>
<td>Calculus III: Multivariate Calculus</td>
<td>4</td>
</tr>
<tr>
<td>MTH 331</td>
<td>Introduction to Modern Geometry</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 28

1 may substitute CS 225 for MTH 225.

**Medical Dosimetry (DOS)**

*College of Science and Health*
*Department of Health Professions*
*Program Director: Nishele Lenards*
*608.785.5071*
*email: nlenards@uwlax.edu*

www.uwlax.edu/md

This certificate program is designed for the Certified Radiation Therapist, or an on-the-job training dosimetrist to continue his/her education in the specialized field of medical dosimetry. “The Medical Dosimetrist is a member of the radiation oncology team who has knowledge of the overall characteristics and clinical relevance of radiation oncology treatment machines and equipment, is cognizant of procedures commonly used in brachytherapy and has the education and expertise necessary to generate radiation dose distributions and dose calculations in collaboration with the medical physicist and radiation oncologist” (from the A.A.M.D.).

Prerequisites for acceptance into the program include certification as a radiation therapist and/or participation in an on-the-job dosimetry training program coursework. This program utilizes web-based instruction for the didactic course work. The clinical practicum courses are taken at affiliated radiation oncology departments and are approximately 30 hours per week. The program includes four semesters and always starts in the fall semester.

**Certificate**

**Medical Dosimetry Certificate**

(not accepting new students)

Admission policies and the application/selection process have been developed with the intention to consider each applicant’s strengths and select for admission those best qualified to meet the program’s requirements and mission.

1. The number of students admitted to the program is dependent on the number of clinical internship sites and their student capacity.
2. Admission to the program is on a competitive basis.
3. Applicant must be a registered radiation therapist; and/or working “on-the-job training” in medical dosimetry.
4. Applicant must have completed a 40-hour week of observation in medical dosimetry at a radiation oncology center.
5. Applicants are required to have a minimal overall grade point average of 3.0 on a 4.0 scale.
6. Applicants are considered without regard to sex, race, color, creed, religion, national origin, disability, ancestry, age, sexual orientation, pregnancy, marital or parental status.
7. Students for whom English is a second language must earn a minimum score of 600 (paper-based), 250 (computer-based), or 100 (Internet-based) on the Test of English as a Foreign Language (TOEFL) within two years of application to the program.

The required courses include:

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Fall Credits</th>
<th>Spring Credits</th>
<th>Summer Credits</th>
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<td>2 DOS 418</td>
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<td>1</td>
<td>DOS 425</td>
<td>2 DOS 472</td>
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<td>DOS 414</td>
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<td>DOS 471</td>
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Year 2

<table>
<thead>
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<td>DOS 443</td>
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<tr>
<td>DOS 473</td>
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</tr>
</tbody>
</table>

Total Credits: 37

**Microbiology (MIC)**

*College of Science and Health*
*Department Chair: S N Rajagopal*
*4036 Cowley Hall: 608.785.6976*
*Email: srajagopal@uwlax.edu*

www.uwlax.edu/microbiology

Microbiology is the study of microscopic organisms, their activities, and applications. Although small in size, microorganisms play an enormous role in many areas of society including human health and disease, food, pharmaceutical and biotechnology industries, agriculture, and the environment. As a result of the widespread importance and application of microbiology, career opportunities are almost limitless. There are more microbiologists than any other type of biologist and the American Society
for Microbiology is the oldest and largest single life science membership organization in the world.

The Department of Microbiology, located in Cowley Hall, supports undergraduate and graduate programs in microbiology. The microbiology major has been in existence since 1984 and the program has been recognized by the University of Wisconsin System as a Center of Excellence since 1988. The program is nationally known for excellence in undergraduate education and emphasizes laboratory competence in microbiology and related disciplines. A microbiology major provides a foundation for the abundant employment opportunities in microbiology and is also excellent preparation for graduate school or professional schools. Microbiology is cited as the major that best prepares pre-med students for the rigors of medical school.

The curriculum is based on the recommendations from the American Society for Microbiology, and is designed to ensure that graduates gain excellent, state-of-the-art experience in microbiology. After completing a core of microbiology courses, students may choose electives that allow them to specialize in specific areas. A large number of electives are available in areas of virology, parasitology, mycology, molecular biology, bioinformatics, food and industrial microbiology, environmental microbiology, plant microbiology, and research. Students may also elect a biomedical, environmental science, or business concentration with slightly different curricula. A particular emphasis of the UW-La Crosse microbiology major is laboratory competence. Faculty have received more than one million dollars in educational grants to ensure that teaching laboratories are equipped with the latest equipment. Microbiology majors receive more laboratory instruction than any other major on campus, which results in exceptionally high employability.

**Center of Excellence in Microbiology**

The University of Wisconsin System and the Board of Regents have identified the microbiology program at UW-L as a Center of Excellence based on the exceptional quality of the undergraduate laboratory science education. The microbiology program has been nationally recognized for the overall quality of the program and prepares its graduates for a diversity of professional opportunities at the baccalaureate level. Since the inception of a major in 1984, more than 95 percent of the microbiology graduates interested in employment have obtained positions in hospitals, clinics, private laboratories, food and fermentation industries, biotechnology companies, pharmaceutical industries, universities, and government agencies.

Microbiology is also an excellent curricular track to prepare students for graduate or professional schools (medical, dental, veterinary, optometry).

The microbiology major is housed within the Department of Microbiology and provides students an extensive curriculum with a strong laboratory emphasis. The Department of Microbiology faculty have obtained over one million dollars in grant funding within the past decade to ensure that students gain experience in the latest state-of-the-art techniques. Students may choose from an extensive list of microbiology electives and tailor their major to meet their career goals. In addition to the microbiology major, the department also offers microbiology majors with concentrations in biomedical, business, and environmental science for students wishing to focus in these areas.

All microbiology majors receive individual counseling throughout their undergraduate years. The faculty have active research programs providing abundant opportunities for undergraduate research. In addition, numerous internships are available with local and regional laboratories for microbiology majors. An active microbiology club affiliated with the American Society for Microbiology enhances the educational experience. For additional information regarding the Center of Excellence in Microbiology, contact the microbiology department chair, Cowley Hall, University of Wisconsin-La Crosse, La Crosse, WI 54601 USA.

---

**General education writing emphasis**

This department incorporates a significant amount of writing through the required courses instead of identifying particular courses as writing emphasis courses. Students who complete a major in this department will fulfill the general education writing emphasis requirement (p. 50).

**Our people**

**Professor**
- Michael Hoffman
- William Schwan
- Michael Winfrey

**Associate Professor**
- Bonita Bratina
- S.N. Rajagopal
- Marc Rott
- Bernadette Taylor

**Assistant Professor**
- Peter Wilker

**Senior Lecturer**
- Suzanne Anglehart

**Lecturer**
- Marisa Barbknecht
- Michael Lazzari

**Associate Lecturer**
- Andrea Peirce

**Laboratory Manager I**
- Pamela Benzing
- Angela Ratekin

**Instructional Specialist**
- Rebecca Polanowski

**Administrative Support**
- Susan Betts

**Majors**
- Microbiology - BS (p. 367)
- Microbiology major: biomedical concentration - BS (p. 368)
• Microbiology major - business concentration - BS (p. 369)
• Microbiology major: environmental science concentration - BS (p. 371)

Minor
• Microbiology minor (p. 372)

Honors
• Microbiology honors program (p. 372)

Microbiology Major - Bachelor of Science (BS)

Major requirements
(All colleges, excluding teacher certification programs)

40 microbiology/biology credits (67 total credits including requirements outside BIO/MIC)

**Biology core**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 105</td>
<td>General Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 203</td>
<td>Organismal Biology</td>
<td>3-4</td>
</tr>
<tr>
<td>BIO 204</td>
<td>Plant Biology</td>
<td></td>
</tr>
<tr>
<td>BIO 210</td>
<td>Animal Biology</td>
<td></td>
</tr>
<tr>
<td>BIO 306</td>
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<td></td>
</tr>
<tr>
<td>BIO 315</td>
<td>Cell Biology</td>
<td></td>
</tr>
</tbody>
</table>

**Microbiology core**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIC 230</td>
<td>Fundamentals of Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>MIC 310</td>
<td>Immunology</td>
<td>3</td>
</tr>
<tr>
<td>MIC 350</td>
<td>Bacterial Diversity</td>
<td>3</td>
</tr>
<tr>
<td>MIC 410</td>
<td>Immunology Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>MIC 416</td>
<td>Microbial Genetics</td>
<td>5</td>
</tr>
<tr>
<td>MIC 425</td>
<td>Bacterial Physiology</td>
<td>5</td>
</tr>
<tr>
<td>MIC 461</td>
<td>Capstone in Microbiology</td>
<td>1</td>
</tr>
</tbody>
</table>

**Microbiology/biology electives**

Select at least six credits from List I, a maximum of two credits from 10-11 List III. One course from List II strongly recommended. (see Elective lists below)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 303</td>
<td>Organic Chemistry Theory I &amp; CHM 304 and Organic Chemistry Theory II &amp; CHM 305 and Organic Chemistry Laboratory</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 325</td>
<td>Fundamental Biochemistry</td>
<td></td>
</tr>
<tr>
<td>CHM 417</td>
<td>Biochemistry I: Macromolecules &amp; CHM 418 and Biochemistry II</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 67-68

The physics series PHY 103 Fundamental Physics I (4 cr.)/PHY 104 Fundamental Physics II (4 cr.) or PHY 203 General Physics I (4 cr.)/PHY 204 General Physics II (4 cr.) may be required for students pursuing graduate or professional degrees.

**Electives**

**List I**

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>MIC 380</td>
<td>Food Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>MIC 407</td>
<td>Pathogenic Bacteriology</td>
<td>4</td>
</tr>
<tr>
<td>MIC 420</td>
<td>Introductory Virology</td>
<td>3</td>
</tr>
<tr>
<td>MIC 421</td>
<td>Virology Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>MIC 427</td>
<td>Industrial and Fermentation Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>MIC 428</td>
<td>Fermentation Microbiology Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>MIC 434</td>
<td>Aquatic Microbial Ecology</td>
<td>3</td>
</tr>
<tr>
<td>MIC 454</td>
<td>Mechanisms of Microbial Pathogenicity</td>
<td>2</td>
</tr>
<tr>
<td>MIC 460</td>
<td>Symposium Microbiology</td>
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<td>BIO 449</td>
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<td>3</td>
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<tr>
<td>BIO 463</td>
<td>Aquatic Animal Health</td>
<td>3</td>
</tr>
<tr>
<td>MIC 440</td>
<td>Bioinformatics</td>
<td>2</td>
</tr>
<tr>
<td>MIC 442</td>
<td>Plant Microbe Interactions</td>
<td>3</td>
</tr>
<tr>
<td>MIC 455</td>
<td>Field/Lab Meth Vector-Borne/Zoonotic Disease Res</td>
<td>3</td>
</tr>
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**List III**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BIO 202</td>
<td>Introduction to Biological Data Analysis and Interpretation</td>
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<tr>
<td>MIC 479</td>
<td>Microbiology Laboratory Assistant (only one credit applies to List III)</td>
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<tr>
<td>MIC 489</td>
<td>Independent Study in Microbiology</td>
<td>1-2</td>
</tr>
<tr>
<td>MIC 499</td>
<td>Independent Research in Microbiology</td>
<td>1-10</td>
</tr>
</tbody>
</table>

**Degree requirements**

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• College core (p. 367)
• Baccalaureate degree requirements (p. 368)
SAH Bachelor of Science core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student's major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

For the Bachelor of Science degree, students must complete a major from the college plus:

• a minor (or a second major) from any college or
• 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Microbiology Major: Biomedical Concentration - Bachelor of Science (BS)

Major requirements

(All colleges, excluding teacher certification programs)

38 microbiology/biology credits (65 total credits including requirements outside BIO/MIC)

<table>
<thead>
<tr>
<th>Biology core</th>
<th>Microbiology core</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 105 General Biology</td>
<td>MIC 230 Fundamentals of Microbiology</td>
</tr>
<tr>
<td>BIO 312 Human Anatomy and Physiology I</td>
<td>MIC 310 Immunology</td>
</tr>
<tr>
<td></td>
<td>MIC 407 Pathogenic Bacteriology</td>
</tr>
<tr>
<td></td>
<td>MIC 410 Immunology Laboratory</td>
</tr>
<tr>
<td></td>
<td>MIC 416 Microbial Genetics</td>
</tr>
<tr>
<td></td>
<td>MIC 425 Bacterial Physiology</td>
</tr>
<tr>
<td></td>
<td>MIC 461 Capstone in Microbiology</td>
</tr>
</tbody>
</table>

Microbiology/biology electives

Select at least three credits from List I, a maximum of two credits from List II: (see Electives list below)

Additional requirements

Select one course in math:

- MTH 145 Elementary Statistics (or above) 4 cr.

Select one course in physics:

- PHY 125 Physics for the Life Sciences 4 cr.
- PHY 104 Fundamental Physics I 4 cr.
- PHY 204 General Physics II 4 cr.

Select a minimum of 19 credits of chemistry including:

- CHM 103 General Chemistry I 5 cr.
- CHM 104 General Chemistry II 5 cr.

Select one of the following:

- CHM 300 Survey of Organic Chemistry 6 cr.
- CHM 303 Organic Chemistry Theory I 5 cr.
- CHM 304 Organic Chemistry Theory II 5 cr.
- CHM 305 Organic Chemistry Laboratory 5 cr.

Select one of the following:

- CHM 325 Fundamental Biochemistry 4 cr.
- CHM 417 Biochemistry I: Macromolecules 4 cr.
- CHM 418 Biochemistry II 4 cr.

Total Credits 65

The physics series PHY 103 Fundamental Physics I (4 cr.) or PHY 104 Fundamental Physics II (4 cr.) may be required for students pursuing graduate or professional degrees.

Electives

List I

- MIC 350 Bacterial Diversity 3 cr.
- MIC 380 Food Microbiology 4 cr.
- MIC 420 Introductory Virology 3 cr.
must accomplish the following:

Candidates for the Bachelor of Arts or the Bachelor of Science degrees

Baccalaureate degrees

from the college plus:

For the Bachelor of Science

use two science courses from same department.

Note:

Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

For the Bachelor of Science degree, students must complete a major from the college plus:

• a minor (or a second major) from any college or
• 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. 1 At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA 1 in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Microbiology Major: Business Concentration - Bachelor of Science (BS)

Major requirements

(All colleges, excluding teacher certification programs)

59 credits (86 total credits including requirements outside of BIO/MIC)

**Biology core**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIO 105</td>
<td>General Biology</td>
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<tr>
<td>Select one of the following:</td>
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<tr>
<td>BIO 203</td>
<td>Organismal Biology</td>
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<tr>
<td>BIO 204</td>
<td>Plant Biology</td>
<td></td>
</tr>
<tr>
<td>BIO 210</td>
<td>Animal Biology</td>
<td></td>
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<tr>
<td>BIO 306</td>
<td>Genetics</td>
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<tr>
<td>BIO 312</td>
<td>Human Anatomy and Physiology I</td>
<td></td>
</tr>
<tr>
<td>BIO 315</td>
<td>Cell Biology</td>
<td></td>
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**Microbiology core**

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIG 230</td>
<td>Fundamentals of Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>MIG 310</td>
<td>Immunology</td>
<td>3</td>
</tr>
<tr>
<td>MIG 350</td>
<td>Bacterial Diversity</td>
<td>3</td>
</tr>
<tr>
<td>MIG 410</td>
<td>Immunology Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>MIG 416</td>
<td>Microbial Genetics</td>
<td>5</td>
</tr>
<tr>
<td>MIG 425</td>
<td>Bacterial Physiology</td>
<td>5</td>
</tr>
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<td>MIG 461</td>
<td>Capstone in Microbiology</td>
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</table>

**Business core**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
</table>

**List II**

BIO 406 | Parasitology | 4 |
BIO 412 | Mycology | 4 |
BIO 413 | Medical Mycology | 3 |
BIO 435 | Molecular Biology | 3 |
BIO 463 | Aquatic Animal Health | 3 |
CLI 440 | Clinical Parasitology | 1 |
MIC 440 | Bioinformatics | 2 |
MIC 455 | Field/Lab Meth Vector-Borne/Zoonotic Disease Res | 3 |

**List III**

BIO 202 | Introduction to Biological Data Analysis and Interpretation | 2 |
MIC 489 | Independent Study in Microbiology | 1-2 |
MIC 499 | Independent Research in Microbiology | 1-10 |

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 369)
- Baccalaureate degree requirements (p. 369)
ECO 110 Microeconomics and Public Policy  3
ECO 120 Global Macroeconomics  3
ACC 221 Accounting Principles I  3
ACC 222 Accounting Principles II  3
FIN 355 Principles of Financial Management  3
MKT 309 Principles of Marketing  3
BUS 205 The Legal & Ethical Environment of Business  3
MGT 308 Behavior and Theory in Organizations  3

**Electives**

**List I**

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<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MIC 380</td>
<td>Food Microbiology</td>
<td>4</td>
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<td>MIC 407</td>
<td>Pathogenic Bacteriology</td>
<td>4</td>
</tr>
<tr>
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<td>Introductory Virology</td>
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</tr>
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<td>MIC 421</td>
<td>Virology Laboratory</td>
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<td>Industrial and Fermentation Microbiology</td>
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</tr>
<tr>
<td>MIC 454</td>
<td>Mechanisms of Microbial Pathogenicity</td>
<td>2</td>
</tr>
<tr>
<td>MIC 460</td>
<td>Symposium Microbiology</td>
<td>1-3</td>
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**List II**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>MIC 442</td>
<td>Plant Microbe Interactions</td>
<td>3</td>
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<tr>
<td>BIO 406</td>
<td>Parasitology</td>
<td>4</td>
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<td>BIO 412</td>
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<td>BIO 449</td>
<td>Advanced Microscopy and Biological Imaging</td>
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<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CHM 300</td>
<td>Survey of Organic Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>&amp; CHM 303</td>
<td>Organic Chemistry Theory I</td>
<td>3</td>
</tr>
<tr>
<td>&amp; CHM 304</td>
<td>Organic Chemistry Theory II</td>
<td>3</td>
</tr>
<tr>
<td>&amp; CHM 305</td>
<td>Organic Chemistry Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>CHM 325</td>
<td>Fundamental Biochemistry</td>
<td>3</td>
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<td>CHM 417</td>
<td>Biochemistry I: Macromolecules</td>
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<tr>
<td>&amp; CHM 418</td>
<td>and Biochemistry II</td>
<td></td>
</tr>
</tbody>
</table>

**Total Credits** 86-88

The physics series PHY 103 Fundamental Physics I (4 cr.)/PHY 104 Fundamental Physics II (4 cr.) or PHY 203 General Physics I (4 cr.)/PHY 204 General Physics II (4 cr.) may be required for students pursuing graduate or professional degrees.

### Electives

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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 463</td>
<td>Aquatic Animal Health</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 370)
- Baccalaureate degree requirements (p. 370)

### SAH Bachelor of Science core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

**Note:** Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

For the Bachelor of Science degree, students must complete a major from the college plus:

- a minor (or a second major) from any college or
- 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

### Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA\(^1\) in each major and minor (and concentration or emphasis, if selected).

6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)

7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

---

\(^1\) Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

---

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

**Microbiology Major:**

**Environmental Science Concentration - Bachelor of Science (BS)**

**Major requirements**

(All colleges, excluding teacher certification programs)

39 minimum - 41 maximum microbiology/biology credits (75 total credits including requirements outside of BIO/MIC)

**Biology core**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 105</td>
<td>General Biology</td>
<td>4</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>BIO 203</td>
<td>Organismal Biology</td>
<td></td>
</tr>
<tr>
<td>BIO 204</td>
<td>Plant Biology</td>
<td></td>
</tr>
<tr>
<td>BIO 210</td>
<td>Animal Biology</td>
<td></td>
</tr>
</tbody>
</table>

**Microbiology core**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIC 230</td>
<td>Fundamentals of Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>MIC 350</td>
<td>Bacterial Diversity</td>
<td>3</td>
</tr>
<tr>
<td>MIC 416</td>
<td>Microbial Genetics</td>
<td>5</td>
</tr>
<tr>
<td>MIC 425</td>
<td>Bacterial Physiology</td>
<td>5</td>
</tr>
<tr>
<td>MIC 434</td>
<td>Aquatic Microbial Ecology</td>
<td>3</td>
</tr>
<tr>
<td>MIC 461</td>
<td>Capstone in Microbiology</td>
<td>1</td>
</tr>
</tbody>
</table>

**Microbiology/biology electives**

Select at least five credits from List I, at least three credits from List 11-12 II, and a maximum of two credits from List III. (see Electives list below)

**Additional requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 145</td>
<td>Elementary Statistics</td>
<td>4</td>
</tr>
<tr>
<td>MTH 175</td>
<td>Applied Calculus</td>
<td>4</td>
</tr>
<tr>
<td>or MTH 207</td>
<td>Calculus I</td>
<td></td>
</tr>
</tbody>
</table>

Select one course in physics:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 125</td>
<td>Physics for the Life Sciences</td>
<td>4</td>
</tr>
<tr>
<td>PHY 104</td>
<td>Fundamental Physics II</td>
<td></td>
</tr>
<tr>
<td>PHY 204</td>
<td>General Physics II</td>
<td></td>
</tr>
</tbody>
</table>

Select a minimum of 24 credits of chemistry including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 103</td>
<td>General Chemistry I</td>
<td></td>
</tr>
<tr>
<td>CHM 104</td>
<td>General Chemistry II</td>
<td></td>
</tr>
<tr>
<td>CHM 301</td>
<td>Analytical Chemistry</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 300</td>
<td>Survey of Organic Chemistry</td>
</tr>
<tr>
<td>CHM 303</td>
<td>Organic Chemistry Theory I &amp; CHM 304 &amp; Organic Chemistry Theory II &amp; CHM 305 &amp; Organic Chemistry Laboratory</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 325</td>
<td>Fundamental Biochemistry</td>
</tr>
<tr>
<td>CHM 417</td>
<td>Biochemistry I: Macromolecules</td>
</tr>
</tbody>
</table>

**Total Credits** 75

The physics series PHY 103 Fundamental Physics I (4 cr.)/PHY 104 Fundamental Physics II (4 cr.) or PHY 203 General Physics I (4 cr.)/PHY 204 General Physics II (4 cr.) may be required for students pursuing graduate or professional degrees.

**Electives**

**List I**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIC 407</td>
<td>Pathogenic Bacteriology</td>
<td>4</td>
</tr>
<tr>
<td>MIC 420</td>
<td>Introductory Virology</td>
<td>3</td>
</tr>
<tr>
<td>MIC 421</td>
<td>Virology Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>MIC 427</td>
<td>Industrial and Fermentation Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>MIC 428</td>
<td>Fermentation Microbiology Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>BIO 307</td>
<td>Ecology (^1)</td>
<td>3</td>
</tr>
<tr>
<td>BIO 341</td>
<td>Limnology (^1)</td>
<td>3</td>
</tr>
<tr>
<td>BIO 464</td>
<td>Stream and Watershed Ecology (^1)</td>
<td>3</td>
</tr>
<tr>
<td>BIO 441</td>
<td>Environmental Toxicology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 447</td>
<td>Standard Methods/Quality Assurance Water Analyses</td>
<td>3</td>
</tr>
<tr>
<td>BIO 448</td>
<td>Aquatic Toxicology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 449</td>
<td>Advanced Microscopy and Biological Imaging</td>
<td>3</td>
</tr>
</tbody>
</table>

**List II**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIC 440</td>
<td>Bioinformatics</td>
<td>2</td>
</tr>
<tr>
<td>MIC 442</td>
<td>Plant Microbe Interactions</td>
<td>3</td>
</tr>
<tr>
<td>MIC 455</td>
<td>Field/Lab Meth Vector-Borne/Zoonotic Disease Res</td>
<td>3</td>
</tr>
<tr>
<td>BIO 406</td>
<td>Parasitology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 412</td>
<td>Mycology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 463</td>
<td>Aquatic Animal Health</td>
<td>3</td>
</tr>
</tbody>
</table>

**List III**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 202</td>
<td>Introduction to Biological Data Analysis and Interpretation</td>
<td>2</td>
</tr>
<tr>
<td>MIC 479</td>
<td>Microbiology Laboratory Assistant (only one credit applies to List III)</td>
<td>1-2</td>
</tr>
<tr>
<td>MIC 489</td>
<td>Independent Study in Microbiology</td>
<td>1-2</td>
</tr>
<tr>
<td>MIC 499</td>
<td>Independent Research in Microbiology</td>
<td>1-10</td>
</tr>
</tbody>
</table>

\(^1\) Only one course (3 credits) from BIO 307 Ecology (3 cr.), BIO 341 Limnology (3 cr.), BIO 464 Stream and Watershed Ecology (3 cr.) may be applied to elective requirements.
**Degree requirements**

All students must complete the general education, college core, major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 372)
- Baccalaureate degree requirements (p. 372)

**SAH Bachelor of Science core requirements**

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

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- 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

**Baccalaureate degrees**

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

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2. Complete at least one ethnic studies (diversity) course.
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**Microbiology Minor**

(All colleges, excluding teacher certification programs)

22 credits (35-37 total credits including prerequisites)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIC 230</td>
<td>Fundamentals of Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>MIC 350</td>
<td>Bacterial Diversity</td>
<td>3</td>
</tr>
<tr>
<td>or MIC 407</td>
<td>Pathogenic Bacteriology</td>
<td></td>
</tr>
<tr>
<td>MIC 416</td>
<td>Microbial Genetics</td>
<td>5</td>
</tr>
<tr>
<td>or MIC 425</td>
<td>Bacterial Physiology</td>
<td></td>
</tr>
</tbody>
</table>

Select ten credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIC 310</td>
<td>Immunology</td>
</tr>
<tr>
<td>MIC 350</td>
<td>Bacterial Diversity</td>
</tr>
<tr>
<td>MIC 380</td>
<td>Food Microbiology</td>
</tr>
<tr>
<td>MIC 407</td>
<td>Pathogenic Bacteriology</td>
</tr>
<tr>
<td>MIC 410</td>
<td>Immunology Laboratory</td>
</tr>
<tr>
<td>MIC 416</td>
<td>Microbial Genetics</td>
</tr>
<tr>
<td>MIC 420</td>
<td>Introductory Virology</td>
</tr>
<tr>
<td>MIC 421</td>
<td>Virology Laboratory</td>
</tr>
<tr>
<td>MIC 425</td>
<td>Bacterial Physiology</td>
</tr>
<tr>
<td>MIC 427</td>
<td>Industrial and Fermentation Microbiology</td>
</tr>
<tr>
<td>MIC 428</td>
<td>Fermentation Microbiology Laboratory</td>
</tr>
<tr>
<td>MIC 434</td>
<td>Aquatic Microbial Ecology</td>
</tr>
<tr>
<td>MIC 442</td>
<td>Plant Microbe Interactions</td>
</tr>
<tr>
<td>MIC 454</td>
<td>Mechanisms of Microbial Pathogenicity</td>
</tr>
<tr>
<td>MIC 460</td>
<td>Symposium Microbiology</td>
</tr>
<tr>
<td>BIO 406</td>
<td>Parasitology</td>
</tr>
<tr>
<td>BIO 412</td>
<td>Mycology</td>
</tr>
<tr>
<td>BIO 413</td>
<td>Medical Mycology</td>
</tr>
<tr>
<td>BIO 449</td>
<td>Advanced Microscopy and Biological Imaging</td>
</tr>
<tr>
<td>BIO 463</td>
<td>Aquatic Animal Health</td>
</tr>
</tbody>
</table>

Additional 13-15 credits required to meet course prerequisites: 13-15

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 103</td>
<td>General Chemistry I</td>
</tr>
<tr>
<td>CHM 104</td>
<td>General Chemistry II</td>
</tr>
<tr>
<td>CHM 300</td>
<td>Survey of Organic Chemistry</td>
</tr>
<tr>
<td>or CHM 303</td>
<td>Organic Chemistry Theory I</td>
</tr>
</tbody>
</table>

Total Credits: 35-37

**Microbiology Honors Program**

The Microbiology Honors Program is designed to recognize outstanding academic performance and understanding of research in microbiology.
Program

Requirements for admission into the honors program are:

1. Junior Standing
2. Completion of the application for continuation in the major (completion of one semester math, three semesters of chemistry, and twelve credits in the major including MIC 230).
3. Provide a transcript demonstrating a 3.25 GPA in biology, chemistry and microbiology courses and a cumulative overall GPA of 3.25.
4. Recommendation by two faculty members from the department.

Requirements for earning a degree with honors in microbiology include:

1. Completion of all major requirements with a cumulative GPA in the major of 3.5 and a cumulative overall GPA of 3.25.
2. Completion of a minimum of two credits of MIC 499 Independent Research in Microbiology (1-10 cr.).
3. Presentation of results of MIC 499 research at a colloquium of faculty and students or at a professional meeting.

Students graduating with honors in microbiology will receive an honors certificate.

Nuclear Medicine Technology (NMT)

College of Science and Health
Health Professions Department
Program Director: Aileen Staffaroni
4646 Health Science Center, 608.785.6625
email: astaffaro@uw lax.edu

www.uwlax.edu/nmt

Nuclear medicine technology is a health professions specialty employing the use of radiopharmaceuticals for diagnostic and therapeutic purposes. Students majoring in this program are provided a substantial educational foundation in the sciences and clinical applications in a hospital internship so that graduates may function as technologists. The pre-professional and professional program collectively requires six semesters on campus to earn a minimum of 66 credits including certain prescribed courses followed by a 12-month internship at an affiliated internship site.

Major

• Nuclear medicine technology - BS (p. 373)

Nuclear Medicine Technology - Bachelor of Science (BS)

Major requirements

(College of Science and Health)

Admission to program

The university sponsors up to 21 clinical interns each year. The size of the nuclear medicine technology program is limited by these internships. Students must make formal application to the program during the spring semester of either their sophomore or junior year (see adviser). Refer to the sample degree plan tab. A Nuclear Medicine Technology Professional Program Selection Committee composed of representatives from the university and the program’s clinical affiliates evaluates each application on the basis of the applicant’s past academic performance (a minimum cumulative GPA of 2.50 is required for admission into the professional program), their references, their past work experience, and the results of a formal interview. Based on these factors, the applicants are ranked and accepted for entry into the professional program.

Admission to internship and completion of degree

Those students admitted to the professional curriculum will be eligible for an internship upon successful completion of the on-campus course requirements and selection by a clinical affiliate. Entry into the professional program does not guarantee an internship at a hospital. The hospitals select students for internships. During the senior year, clinical internship students will register for (or be allowed to transfer in from Mayo’s NMT program) a minimum of 34 semester credits in clinical courses and pay full tuition and fees. Upon successful completion of the internship and all other university requirements, students are awarded a Bachelor of Science degree with a major in nuclear medicine technology.

Hospital educational programs of nuclear medicine technology are accredited by the Joint Review Committee on Educational Programs in Nuclear Medicine Technology (JRC-NMT). Graduates are eligible to take the examination for certification as a certified nuclear medicine technologist offered by the Nuclear Medicine Technology Certification Board (NMTCB) or as a nuclear medicine technologist offered by the American Registry of Radiologic Technologists (ARRT).

Nuclear medicine technology affiliated internship sites:

• Mayo Clinic, School of Health Sciences, Rochester, MN
• Froedtert Hospital, Milwaukee, WI
• Ministry St. Joseph’s Hospital, Marshfield, WI
• Aurora St. Luke’s Hospital, Milwaukee, WI
• Northwestern Memorial Hospital, Chicago, IL

1 Nuclear Medicine Technology students who select to complete the required year-long clinical at the Mayo School of Health Sciences (MSHS) enroll at MSHS rather than at UW-La Crosse. The courses taken during the year-long clinical at MSHS meet UW-La Crosse NMT program requirements. The student must request an official transcript to be sent to UW-La Crosse from MSHS. Upon successful completion of the clinical and all other graduation requirements, the students are awarded the Bachelor of Science degree from UW-La Crosse. The Mayo School of Health Sciences (MSHS) grants a Certificate of Completion in Nuclear Medicine Technology.

Curriculum

100 credits, including internship

Pre-professional requirements

Select one of the following: 4

- BIO 103 Introductory Biology 1
- BIO 105 General Biology 1
- BIO 312 Human Anatomy and Physiology I 4
- BIO 313 Human Anatomy and Physiology II 4
- CHM 103 General Chemistry I 1 5
- CHM 104 General Chemistry II 5
- CHM 301 Analytical Chemistry 5
Each NMT intern will enroll in clinical courses for a minimum of 34 credits.

### Clinical Internship Requirements (34 credits)

Each NMT intern will enroll in clinical courses for a minimum of 34 credits from the following selection:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NMT 401</td>
<td>Management and Methods of Patient Care I</td>
<td>2</td>
</tr>
<tr>
<td>NMT 402</td>
<td>Clinical Correlation: Anatomy, Physiology and Pathology</td>
<td>1.4</td>
</tr>
<tr>
<td>NMT 403</td>
<td>Anatomy, Physiology and Pathology</td>
<td>2.4</td>
</tr>
<tr>
<td>NMT 404</td>
<td>Management and Methods of Patient Care II</td>
<td>3</td>
</tr>
<tr>
<td>NMT 405</td>
<td>Radiation Protection</td>
<td>2-3</td>
</tr>
<tr>
<td>NMT 407</td>
<td>Clinical Instrumentation and Techniques</td>
<td>2-5</td>
</tr>
<tr>
<td>NMT 409</td>
<td>Mathematical Evaluation of Clinical Data</td>
<td>1-3</td>
</tr>
<tr>
<td>NMT 411</td>
<td>Records and Administrative Procedures</td>
<td>1-2</td>
</tr>
<tr>
<td>NMT 412</td>
<td>Clinical Nuclear Practicum I</td>
<td>3-9</td>
</tr>
<tr>
<td>NMT 413</td>
<td>Clinical Nuclear Practicum II</td>
<td>3-9</td>
</tr>
<tr>
<td>NMT 415</td>
<td>Application of Radionuclides to Medicine</td>
<td>1-3</td>
</tr>
<tr>
<td>NMT 416</td>
<td>Nuclear Medicine Quality Control Practicum</td>
<td>1-3</td>
</tr>
<tr>
<td>NMT 417</td>
<td>Nuclear Radiation Physics and Instrumentation</td>
<td>2-5</td>
</tr>
<tr>
<td>NMT 418</td>
<td>Clinical Procedures Review</td>
<td>1-3</td>
</tr>
<tr>
<td>NMT 419</td>
<td>Clinical Radiation Biology</td>
<td>1-3</td>
</tr>
<tr>
<td>NMT 420</td>
<td>Gamma Cameras</td>
<td>1-2</td>
</tr>
<tr>
<td>NMT 421</td>
<td>Therapeutic Radionuclides</td>
<td>1</td>
</tr>
<tr>
<td>NMT 422</td>
<td>Clinical Procedures Review</td>
<td>1-4</td>
</tr>
<tr>
<td>NMT 423</td>
<td>Radiopharmacy</td>
<td>1-3</td>
</tr>
<tr>
<td>NMT 427</td>
<td>Application of Computers to Nuclear Medicine</td>
<td>1-5</td>
</tr>
<tr>
<td>NMT 429</td>
<td>Introduction to Computerized Tomography</td>
<td>2</td>
</tr>
<tr>
<td>NMT 495</td>
<td>Special Topics in Nuclear Medicine</td>
<td>1-3</td>
</tr>
<tr>
<td>NMT 499</td>
<td>Independent Study</td>
<td>3</td>
</tr>
</tbody>
</table>

All of the above courses are not required but a minimum of 34 credits must be earned in the array required by the clinical internship site.

### Degree requirements

All students must complete the general education, college core (waived for nuclear medicine technology majors), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- Baccalaureate degree requirements (p. 374)

### Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter
intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Sample degree plan
This is a sample degree plan. It can be used as a guide for students to show them the courses they need to take to help them graduate as quickly as possible.

Nuclear medicine technology sample plan

<table>
<thead>
<tr>
<th>First year</th>
<th>First semester</th>
<th>Credits</th>
<th>Second semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 103</td>
<td>5 BIO 105</td>
<td>4</td>
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</tr>
<tr>
<td>HIS 101</td>
<td>3 PSY 100,</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SOC 110, or</td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SOC 120</td>
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<td></td>
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</tr>
<tr>
<td>Appreciation course</td>
<td>2 CHM 104</td>
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<tr>
<td>ENG 110</td>
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<table>
<thead>
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<th>Sophomore year</th>
<th>First semester</th>
<th>Credits</th>
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<th>Credits</th>
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<td>CHM 301</td>
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<td>BIO 312</td>
<td>4 BIO 313</td>
<td>4</td>
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<td>MTH 145</td>
<td>4 PHY 125</td>
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<td>SAH 105</td>
<td>3 Appreciation course</td>
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<tr>
<td>NMT 201</td>
<td>1 Minority cultures or multiracial women's studies course requirement</td>
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</tr>
<tr>
<td></td>
<td>17</td>
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<table>
<thead>
<tr>
<th>Junior year</th>
<th>First semester</th>
<th>Credits</th>
<th>Second semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NMT 314</td>
<td>2 BIO 333</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHY 376</td>
<td>3 CHM 461</td>
<td>4</td>
<td></td>
<td></td>
</tr>
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<td>HP 310</td>
<td>3 NMT 398</td>
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<td>NMT 395</td>
<td>1 NMT 399</td>
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<tr>
<td>HP 250</td>
<td>1 International studies course</td>
<td>3</td>
<td></td>
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</tr>
<tr>
<td>Humanistic course</td>
<td>3 Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
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<td></td>
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<td>16</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior year</th>
<th>First semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internship: NMT 400 Level courses</td>
<td>34</td>
<td></td>
</tr>
<tr>
<td></td>
<td>34</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 124

1 Requires MTH 150 College Algebra (4 cr.) or math placement of 151 or higher.

Nutrition (NUT)

College of Science and Health
Program Coordinator: Lisa Kobs
0021 Health Science Center, 608.785.6457
email: lkbos@uwlaux.edu

www.uwlax.edu/biology/faculty/maher/nutrition_minor.htm

The nutrition minor serves a variety of College of Science and Health students, including those in pre-allied health, pre-medicine, exercise and sport science, and health education. Non-SAH majors in psychology, sociology, and business also may be interested in the nutrition minor.

Minor
- Nutrition minor (p. 375)

Nutrition Minor

Minor requirements
18 credits (26 total credits including prerequisites)

Required courses
- NUT 200 Human Nutrition 3
- NUT 300 Lifecycle Nutrition 3
- NUT 400 Food Science and Safety 3

Elective credits
Select at least nine credits from the following:
- ANT 266 Anthropology of Food 3
- or ANT 370 Medical Anthropology 3
- BIO 330 Economic Botany 3
- BIO 428 Advanced Nutrition for the Health Professions 3
- CHM 250 Introduction to Organic and Biochemistry 3
- CHM 325 Fundamental Biochemistry 3
- or CHM 418 Biochemistry II 3
- ESS 323 Nutrition and Sport 3
- HED 474 Nutrition Education 3
- MIC 380 Food Microbiology 3
- NUT 350 Functional Foods, Herbs, and Supplements 3
- NUT 450 Field Experience in Nutrition 2
- NUT 479 Nutrition Teaching Assistantship 3
- NUT 499 Nutrition Research 1
- PHL 330 Philosophy of Food: The Dining Experience 3

Total Credits: 18

1 One credit can apply, not repeatable for credit in the minor.
2 Course is changing to 2-3 credits starting Fall 2014. The new course description is as follows:

NUT 450 Cr.2-3
Field Experience in Nutrition
Working with a faculty mentor and site preceptor, students will identify a field site, develop a plan for exposure to appropriate experiences at the field site, participate in nutritionally-related professional activities at the field site, and submit a portfolio detailing field experiences. Prerequisite: nine credits completed in nutrition minor; approval of instructor. Consent of instructor. Offered Fall, Winter, Spring, Summer.
Physics (PHY)

College of Science and Health
Department Chair: Dr. Gubbi R. Sudhakaran
2018 Cowley Hall; 608.785.8429
Email: gsudhakaran@uwla.edu
www.uwlax.edu/physics

The Department of Physics at the UW-La Crosse is one of the largest undergraduate physics programs in Wisconsin and is well-known for offering quality education, placing its graduates in successful career paths and attracting national recognition for its successful efforts.

The diverse nature of the UW-La Crosse physics program makes our graduates highly sought after in modern industries where physics and engineering are applied. In addition, many UW-La Crosse physics graduates are accepted into top graduate degree programs where they can pursue a master’s or doctoral degree in physics, engineering, chemistry, astrophysics, optical science, mathematics, medicine, or computer science.

In addition to our unique programs, the department also stands out in its emphasis on involving its physics majors in undergraduate research. This engages students to work closely with individual members of the faculty, providing hands-on learning opportunities which are very different from the traditional classroom experience. The involvement of students in research contributes to the sense of community that pervades the UW-La Crosse Department of Physics. Research projects are available in the following areas: astrophysics, biomechanics, computational physics, laser spectroscopy, quantum computing, material science, nuclear physics, solid-state physics, and physics education.

Our people

Professor
Dr. T.A.K. Pillai
Dr. Robert Ragan
Dr. Gubbi Sudhakaran

Associate Professor
Dr. Eric Barnes
Dr. Eric Gansen
Dr. Shauna Sallmen

Assistant Professor
Dr. Jennifer Docktor
Dr. Taviare Hawkins
Dr. Seth King
Dr. Shelly Lesher

Lecturer
Dr. Roberto Salgado
Dr. Steven Verrall
Dr. Lyndon Zink

Administrative Support
Krista Anderson

 Majors

- Physics major - BA (p. 376)
- Physics major - BS (p. 377)
- Physics major with astronomy emphasis - BA (p. 378)
- Physics major with astronomy emphasis - BS (p. 379)
- Physics major with biomedical concentration - BS (p. 380)
- Physics major with business concentration - BS (p. 381)
- Physics major with computational physics emphasis - BS (p. 382)
- Physics major with optics emphasis - BS (p. 383)
- Physics education major (early adolescence-adolescence certification) - BS (p. 384)
- Dual degree program in physics and engineering (p. 385)
- Dual degree program in physics and physical therapy (p. 386)
- General science education (broad field) major (early adolescence-adolescence certification) - BS (p. 387)

Minors

- Physics minor (p. 388)
- Physics minor with astronomy emphasis (p. 388)
- Physics education minor (p. 388)

Honors

- Physics and astronomy honors program (p. 389)

Physics Major - Bachelor of Arts (BA)

Major requirements

(All colleges, excluding teacher certification programs)

38 credits (55 total credits including MTH)

Core courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 103</td>
<td>Fundamental Physics I</td>
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</tr>
<tr>
<td>or PHY 203</td>
<td>General Physics I</td>
<td></td>
</tr>
<tr>
<td>PHY 104</td>
<td>Fundamental Physics II</td>
<td>4</td>
</tr>
<tr>
<td>or PHY 204</td>
<td>General Physics II</td>
<td></td>
</tr>
<tr>
<td>PHY 250</td>
<td>Modern Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 302</td>
<td>Optics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 311</td>
<td>Experimental Physics</td>
<td>2</td>
</tr>
<tr>
<td>PHY 321</td>
<td>Classical Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 332</td>
<td>Electrodynamics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 334</td>
<td>Electrical Circuits</td>
<td>3</td>
</tr>
<tr>
<td>PHY 343</td>
<td>Thermodynamics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 401</td>
<td>Quantum Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 491</td>
<td>Capstone in Physics</td>
<td>1</td>
</tr>
</tbody>
</table>

Electives

Numbered higher than PHY 250 or from any AST course 6

Required to meet course prerequisites

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 207</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MTH 208</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MTH 309</td>
<td>Linear Algebra with Differential Equations</td>
<td>4</td>
</tr>
</tbody>
</table>
must accomplish the following:

Candidates for the Bachelor of Arts or the Bachelor of Science degrees

Baccalaureate degrees

- College core (p. 377)
- Baccalaureate degree requirements (p. 377)

SAH Bachelor of Arts core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

For the Bachelor of Arts degree, students must complete a major from the college and proficiency in a foreign language at the 202 level or an ESL proficiency score of 80 or above on the La Crosse Battery of exams for non-native speakers of English. Contact the English as a Second Language Institute (http://www.uwlax.edu/esl) for eligibility and regulations. Students must also complete:

- a minor in the College of Liberal Studies or
- 15 credits at the 300/400 level in the College of Liberal Studies. Internship credits generally do not count toward this college core option.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).

6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Physics Major - Bachelor of Science (BS)

Major requirements

(All colleges, excluding teacher certification programs)

38 credits (55 total credits including MTH)

<table>
<thead>
<tr>
<th>Core courses</th>
<th>MTH 207: Calculus I</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MTH 208: Calculus II</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>MTH 309: Linear Algebra with Differential Equations</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>MTH 310: Calculus III: Multivariate Calculus</td>
<td>4</td>
</tr>
<tr>
<td>Total Credits</td>
<td>55</td>
<td></td>
</tr>
</tbody>
</table>

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 378)
SAH Bachelor of Science core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

For the Bachelor of Science degree, students must complete a major from the college plus:

- a minor (or a second major) from any college or
- 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement.)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Physics Major with Astronomy Emphasis - Bachelor of Arts (BA)

Major requirements

(All colleges, excluding teacher certification programs)

41 credits (58 total credits including MTH)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY/AST 155</td>
<td>Solar System Astronomy</td>
<td>4</td>
</tr>
<tr>
<td>PHY 160</td>
<td>Stars, Galaxies and the Universe</td>
<td>4</td>
</tr>
<tr>
<td>PHY 362</td>
<td>Astrophysics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 363</td>
<td>Astrophysics Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHY 466</td>
<td>Cosmology and the Structure of The Universe</td>
<td>3</td>
</tr>
<tr>
<td>PHY 103</td>
<td>Fundamental Physics I</td>
<td>4</td>
</tr>
<tr>
<td>or PHY 203</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHY 104</td>
<td>Fundamental Physics II</td>
<td>4</td>
</tr>
<tr>
<td>or PHY 204</td>
<td>General Physics II</td>
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</tr>
<tr>
<td>PHY 250</td>
<td>Modern Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 302</td>
<td>Optics</td>
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</tr>
<tr>
<td>PHY 491</td>
<td>Capstone in Physics</td>
<td>1</td>
</tr>
</tbody>
</table>

Select three credits from physics/astronomy courses at the 300/400 level

Required to meet course prerequisites

<table>
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</thead>
<tbody>
<tr>
<td>MTH 207</td>
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</tr>
<tr>
<td>MTH 310</td>
<td>Calculus III: Multivariate Calculus</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Credits 58

1 Excluding PHY 320 Statics (3 cr.), PHY 376 Introduction to Nuclear Science (3 cr.), PHY 386 Radiation Physics (3 cr.), PHY 497 Physics and Astronomy Seminar (1 cr.). If PHY 498 Physics and Astronomy Research (1-3 cr.)/AST 498 is chosen, the research must be astronomy related.

Degree requirements

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- Baccalaureate degree requirements (p. 379)

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Physics Major with Astronomy Emphasis - Bachelor of Science (BS)

Major requirements
(All colleges, excluding teacher certification programs)

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<tr>
<td>or PHY 203</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHY 104</td>
<td>Fundamental Physics II</td>
<td>4</td>
</tr>
<tr>
<td>or PHY 204</td>
<td>General Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHY 250</td>
<td>Modern Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 302</td>
<td>Optics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 311</td>
<td>Experimental Physics</td>
<td>2</td>
</tr>
<tr>
<td>PHY 321</td>
<td>Classical Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 332</td>
<td>Electrodynamics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 491</td>
<td>Capstone in Physics</td>
<td>1</td>
</tr>
<tr>
<td>Select three credits from physics/astronomy courses at the 300/400 level</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Required to meet course prerequisites

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 207</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MTH 208</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MTH 309</td>
<td>Linear Algebra with Differential Equations</td>
<td>4</td>
</tr>
<tr>
<td>MTH 310</td>
<td>Calculus III: Multivariate Calculus</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Credits 58

1 Excluding PHY 320 Statics (3 cr.), PHY 376 Introduction to Nuclear Science (3 cr.), PHY 386 Radiation Physics (3 cr.), PHY 497 Physics and Astronomy Seminar (1 cr.). If PHY 498 Physics and Astronomy Research (1-3 cr.)/AST 498 is chosen, the research must be astronomy related.

Degree requirements
All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• College core (p. 379)
• Baccalaureate degree requirements (p. 380)

SAH Bachelor of Science core requirements
B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05)
Physics Major with Biomedical Concentration - Bachelor of Science (BS)

Major requirements

(All colleges, excluding teacher certification programs)

55 credits (78 total credits including MTH and CHM)

A minimum of 28 credits of physics courses including:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 103</td>
<td>Fundamental Physics I</td>
<td>4</td>
</tr>
<tr>
<td>or PHY 203</td>
<td>General Physics I</td>
<td></td>
</tr>
<tr>
<td>PHY 104</td>
<td>Fundamental Physics II</td>
<td>4</td>
</tr>
<tr>
<td>or PHY 204</td>
<td>General Physics II</td>
<td></td>
</tr>
<tr>
<td>PHY 250</td>
<td>Modern Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 302</td>
<td>Optics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 311</td>
<td>Experimental Physics</td>
<td>2</td>
</tr>
<tr>
<td>PHY 334</td>
<td>Electrical Circuits</td>
<td>3</td>
</tr>
</tbody>
</table>

Select at least nine additional credits of electives in physics numbered higher than PHY 250

A minimum of 21 credits outside physics, including the following required courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 145</td>
<td>Elementary Statistics</td>
<td>4</td>
</tr>
<tr>
<td>or MTH 245</td>
<td>Probability and Statistics</td>
<td></td>
</tr>
<tr>
<td>MTH 309</td>
<td>Linear Algebra with Differential Equations</td>
<td>4</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 300</td>
<td>Survey of Organic Chemistry</td>
<td></td>
</tr>
<tr>
<td>CHM 303</td>
<td>Organic Chemistry Theory I</td>
<td></td>
</tr>
<tr>
<td>&amp; CHM 304</td>
<td>and Organic Chemistry Theory II</td>
<td></td>
</tr>
<tr>
<td>&amp; CHM 305</td>
<td>and Organic Chemistry Laboratory</td>
<td></td>
</tr>
<tr>
<td>BIO 312</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BIO 313</td>
<td>Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
</tbody>
</table>

Select additional electives in biology, chemistry, mathematics, and/or microbiology at the 300/400 level

Additional 23 credits required to meet course prerequisites:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 207</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MTH 208</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>BIO 103</td>
<td>Introductory Biology</td>
<td>4</td>
</tr>
<tr>
<td>or BIO 105</td>
<td>General Biology</td>
<td></td>
</tr>
<tr>
<td>CHM 103</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHM 104</td>
<td>General Chemistry II</td>
<td>5</td>
</tr>
</tbody>
</table>

Total Credits 78

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 380)
- Baccalaureate degree requirements (p. 381)
SAH Bachelor of Science core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

For the Bachelor of Science degree, students must complete a major from the college plus:

- a minor (or a second major) from any college or
- 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Physics Major with Business Concentration - Bachelor of Science (BS)

Major requirements

(All colleges, excluding teacher certification programs)

55 credits (64 total credits including MTH)

A minimum of 28 credits in physics including the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 103</td>
<td>Fundamental Physics I</td>
<td>4</td>
</tr>
<tr>
<td>or PHY 203</td>
<td>General Physics I</td>
<td></td>
</tr>
<tr>
<td>PHY 104</td>
<td>Fundamental Physics II</td>
<td>4</td>
</tr>
<tr>
<td>or PHY 204</td>
<td>General Physics II</td>
<td></td>
</tr>
<tr>
<td>PHY 250</td>
<td>Modern Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 302</td>
<td>Optics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 311</td>
<td>Experimental Physics</td>
<td>2</td>
</tr>
<tr>
<td>PHY 334</td>
<td>Electrical Circuits</td>
<td>3</td>
</tr>
</tbody>
</table>

Select at least nine additional credits of electives in physics numbered higher than PHY 250 or from any AST course

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 355</td>
<td>Principles of Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 309</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUS 205</td>
<td>The Legal &amp; Ethical Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>MGT 308</td>
<td>Behavior and Theory in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>MTH 207</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MTH 208</td>
<td>Calculus II</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Degree Credits 64

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 381)
- Baccalaureate degree requirements (p. 382)

SAH Bachelor of Science core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE
One of the two science courses must be from a department outside of the student’s major department.

**Note:** Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

**For the Bachelor of Science degree,** students must complete a major from the college plus:

- a minor (or a second major) from any college or
- 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

### Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (or concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

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Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

### Physics Major with Computational Physics Emphasis - Bachelor of Science (BS)

**Major requirements**

(All colleges, excluding teacher certification programs)

41 credits (58 total credits including MTH and CS requirements)

<table>
<thead>
<tr>
<th>Core</th>
<th>Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 103</td>
<td>Fundamental Physics I</td>
</tr>
<tr>
<td>or PHY 203</td>
<td>General Physics I</td>
</tr>
<tr>
<td>PHY 104</td>
<td>Fundamental Physics II</td>
</tr>
<tr>
<td>or PHY 204</td>
<td>General Physics II</td>
</tr>
<tr>
<td>PHY 250</td>
<td>Modern Physics</td>
</tr>
<tr>
<td>PHY 311</td>
<td>Experimental Physics</td>
</tr>
<tr>
<td>PHY 374</td>
<td>Computational Physics</td>
</tr>
<tr>
<td>PHY 474</td>
<td>Advanced Computational Physics</td>
</tr>
<tr>
<td>PHY 491</td>
<td>Capstone in Physics</td>
</tr>
<tr>
<td>CS 220</td>
<td>Software Design II</td>
</tr>
<tr>
<td>PHY 498</td>
<td>Physics and Astronomy Research (at least one credit with a computational project)</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>58</strong></td>
</tr>
</tbody>
</table>

**Degree requirements**

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 382)
- Baccalaureate degree requirements (p. 383)

### SAH Bachelor of Science core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

**Note:** Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

**For the Bachelor of Science degree,** students must complete a major from the college plus:
• a minor (or a second major) from any college or
• 18 credits at the 300/400 level in courses outside the major
department from any college. Internship credits generally do not count
toward this college core option.

Baccalaureate degrees
Candidates for the Bachelor of Arts or the Bachelor of Science degrees
must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum
Committee for the degree desired in the respective school or
college. (No substitutions for graduation may be made in course
requirements for a major or minor after the fourth week of the last
semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00
cumulative GPA. At least 40 credits must be earned in 300/400
(senior college) level courses. Courses earned at the 100/200 level
that transferred to UW-L as 300/400 level courses do not apply to
this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00
GPA in each major and minor (and concentration or emphasis, if
selected).
6. A minimum of 30 semester credits in residence at UW-L is required
for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS
Student Center as soon as the student has registered for his or her
final semester or summer term in residence. December and winter
intersession graduates should file by May 1. May and summer
graduates should file by December 1.

1 Grade point average requirements for some programs will be
considerably higher than 2.00. Re-entering students may be required
to earn credits in excess of the 120 needed for graduation in any
curriculum in order to replace credits earned in courses in which the
content has changed substantially in recent years. Each case will be
judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and
recorded within 30 days after the official ending date of each term.

Physics Major with Optics
Emphasis - Bachelor of Science
(BS)

Major requirements

(All colleges, excluding teacher certification programs)

41 credits (58 total credits including MTH)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 103</td>
<td>Fundamental Physics I</td>
<td>4</td>
</tr>
<tr>
<td>or PHY 203</td>
<td>General Physics I</td>
<td></td>
</tr>
<tr>
<td>PHY 104</td>
<td>Fundamental Physics II</td>
<td>4</td>
</tr>
<tr>
<td>or PHY 204</td>
<td>General Physics II</td>
<td></td>
</tr>
<tr>
<td>PHY 250</td>
<td>Modern Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 302</td>
<td>Optics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 311</td>
<td>Experimental Physics</td>
<td>2</td>
</tr>
</tbody>
</table>

Electives in physics at the 300/400 level

Required to meet course prerequisites:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 207</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MTH 208</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MTH 309</td>
<td>Linear Algebra with Differential Equations</td>
<td>4</td>
</tr>
<tr>
<td>MTH 310</td>
<td>Calculus III: Multivariate Calculus</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Credits 58

Degree requirements

All students must complete the general education, college core, major/
minor, and university degree requirements in order to qualify for a
degree. The easiest way to track all of these requirements is to refer to
the Advisement Report (AR) found in the Student Information System
(WINGS) Student Center. All enrolled students have access to the AR.

• General education (p. 50)
• College core (p. 383)
• Baccalaureate degree requirements (p. 383)

SAH Bachelor of Science core
requirements

B.S. and B.A. students graduating from the College of Science and
Health are required to take two natural laboratory science courses
selected from the general education laboratory science category (GE 05)
and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222,
PHY 104, or PHY 204, and they either must take two mathematics
courses or one math course and one computer science course from the
math/logical systems category of the general education requirements (GE
02). One of the two science courses must be from a department outside
of the student’s major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can
use two science courses from same department.

For the Bachelor of Science degree, students must complete a major
from the college plus:

• a minor (or a second major) from any college or
• 18 credits at the 300/400 level in courses outside the major
department from any college. Internship credits generally do not count
toward this college core option.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees
must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)

4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.

5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).

6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)

7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

### Physics Education Major (Early Adolescence-Adolescence Certification) - Bachelor of Science (BS)

#### Major requirements

Admission requirements for STEP Program (p. 403)

(Teacher certification program: early-adolescence-adolescence)

38 credits (51 total credits including MTH)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 103</td>
<td>Fundamental Physics I</td>
<td>4</td>
</tr>
<tr>
<td>or PHY 203</td>
<td>General Physics I</td>
<td></td>
</tr>
<tr>
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<td>Fundamental Physics II</td>
<td>4</td>
</tr>
<tr>
<td>or PHY 204</td>
<td>General Physics II</td>
<td></td>
</tr>
<tr>
<td>PHY 250</td>
<td>Modern Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 302</td>
<td>Optics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 311</td>
<td>Experimental Physics</td>
<td>2</td>
</tr>
<tr>
<td>PHY 321</td>
<td>Classical Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 334</td>
<td>Electrical Circuits</td>
<td>3</td>
</tr>
<tr>
<td>PHY 469</td>
<td>Teaching and Learning Science in the Secondary School</td>
<td>4</td>
</tr>
</tbody>
</table>

Select 12 additional credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY/AST 155</td>
<td>Solar System Astronomy (up to 4 credits)</td>
<td></td>
</tr>
<tr>
<td>PHY/AST 160</td>
<td>Stars, Galaxies and the Universe (up to 4 credits)</td>
<td></td>
</tr>
<tr>
<td>PHY 497</td>
<td>Physics and Astronomy Seminar (up to 2 credits)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 498</td>
<td>Physics and Astronomy Research (up to 3 credits)</td>
<td></td>
</tr>
</tbody>
</table>

Prerequisites for PHY courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 207</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MTH 208</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MTH 310</td>
<td>Calculus III: Multivariate Calculus</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Credits 51

1. PHY 332 Electrodynamics (3 cr.) and PHY 453 Topics in Physics and Astronomy (1-3 cr.) are strongly recommended.

Teacher certification candidates must also complete GEO 200 Conservation of Global Environments (3 cr.) to fulfill statutory licensing requirements.

Additional teacher education requirements are listed in the STEP program core (p. 403).

#### Degree requirements

All students must complete the general education, college core (waived for teacher certification programs), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- Baccalaureate degree requirements (p. 384)

### Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.
No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

**Dual Degree Program in Physics and Engineering**

**Major requirements**

This is a special dual degree program which enables a student to receive both a Bachelor of Science degree (physics major) from UW-La Crosse and a Bachelor of Science degree (engineering major) from UW-Madison, UW-Milwaukee, UW-Platteville, or the University of Minnesota, Twin Cities. The total length of time for both degrees is expected to be five years, with approximately three years at UW-La Crosse (dating from enrollment in MTH 207 Calculus I (5 cr.) ) and approximately two years at the partner institution. At UW-La Crosse, students must complete a minimum of 85 credits, including the following:

**General education requirements:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 110</td>
<td>Microeconomics and Public Policy (recommended)</td>
<td>3</td>
</tr>
<tr>
<td>ECO 120</td>
<td>Global Macroeconomics (recommended)</td>
<td>3</td>
</tr>
<tr>
<td>ECO 336</td>
<td>Women in the U.S. Economy (ES) (recommended)</td>
<td>3</td>
</tr>
<tr>
<td>CHM 103</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>MTH 207</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MTH 208</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MTH 309</td>
<td>Linear Algebra with Differential Equations</td>
<td>4</td>
</tr>
<tr>
<td>MTH 310</td>
<td>Calculus III: Multivariate Calculus</td>
<td>4</td>
</tr>
<tr>
<td>PHY 103</td>
<td>Fundamental Physics I</td>
<td>4</td>
</tr>
<tr>
<td>or PHY 203</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHY 104</td>
<td>Fundamental Physics II</td>
<td>4</td>
</tr>
<tr>
<td>or PHY 204</td>
<td>General Physics II</td>
<td>4</td>
</tr>
<tr>
<td>PHY 250</td>
<td>Modern Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 302</td>
<td>Optics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 311</td>
<td>Experimental Physics</td>
<td>2</td>
</tr>
</tbody>
</table>

Select additional courses, depending on the specific engineering discipline, from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 320</td>
<td>Statics</td>
<td>4</td>
</tr>
<tr>
<td>PHY 321</td>
<td>Classical Mechanics</td>
<td>4</td>
</tr>
<tr>
<td>PHY 332</td>
<td>Electrodynamics</td>
<td>4</td>
</tr>
<tr>
<td>PHY 335</td>
<td>Electronics</td>
<td>4</td>
</tr>
<tr>
<td>PHY 343</td>
<td>Thermodynamics</td>
<td>4</td>
</tr>
</tbody>
</table>

Additional courses, such as the following, may be required depending on the specific engineering discipline – be sure to consult the physics department dual-degree adviser for details.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 105</td>
<td>General Biology</td>
<td>4</td>
</tr>
<tr>
<td>CHM 104</td>
<td>General Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>CS 120</td>
<td>Software Design I</td>
<td>4</td>
</tr>
<tr>
<td>MTH 245</td>
<td>Probability and Statistics</td>
<td>4</td>
</tr>
</tbody>
</table>

Students who express interest in the dual degree program will be selected for entrance into the UW-Madison, UW-Milwaukee, UW-Platteville, or University of Minnesota, Twin Cities portion of the program based on their GPA in all course work; their GPA in the chemistry, computer science, mathematics, and physics course work required by the program; and the positive recommendation of the UW- La Crosse physics department chair (or designee). Qualified UW-La Crosse applicants are assured admission into the partner institutions.

In order to receive the B.S. degree from UW-La Crosse, dual-degree students also must complete the remaining 35 credits (to total a minimum of 120 credits) in engineering at the partner institution and transfer these credits to UW-La Crosse. For the typical student, the remaining 35 credits must include at least 15 credits at the 300 level or above and at least 13 credits from the engineering college or institute. This transfer of credits and awarding of the B.S. degree by UW-La Crosse can take place as soon as the student earns the necessary credits.

**Degree requirements**

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core (p. 385)
- Baccalaureate degree requirements (p. 386)
SAH Bachelor of Science core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the math/logical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

For the Bachelor of Science degree, students must complete a major from the college plus:

- a minor (or a second major) from any college or
- 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1, and May and summer graduates should file by December 1.

Additional course work taken in the physical therapy program may count toward electives needed for the undergraduate physics degree. Be sure to consult the physics department dual degree adviser for details regarding this program.

Degree requirements

All students must complete the general education, college core, major/ minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- College core for B.S. (p. 387)
- College core for B.A. (p. 387)
- Baccalaureate degree requirements (p. 387)
- Doctor of Physical Therapy requirements (http://catalog.uwlax.edu/graduate/programrequirements/physicaltherapy/dpt)

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.
SAH Bachelor of Science requirements

SAH Bachelor of Science core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the mathematical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

For the Bachelor of Science degree, students must complete a major from the college plus:

• a minor (or a second major) from any college or
• 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

SAH Bachelor of Arts requirements

SAH Bachelor of Arts core requirements

B.S. and B.A. students graduating from the College of Science and Health are required to take two natural laboratory science courses selected from the general education laboratory science category (GE 05) and from BIO 203, BIO 204, BIO 210, CHM 104, ESC 221, ESC 222, PHY 104, or PHY 204, and they either must take two mathematics courses or one math course and one computer science course from the mathematical systems category of the general education requirements (GE 02). One of the two science courses must be from a department outside of the student’s major department.

Note: Math courses can be pairs, i.e. 150 and 151; MTH/CS majors can use two science courses from same department.

For the Bachelor of Arts degree, students must complete a major from the college plus:

• a minor (or a second major) from any college or
• 18 credits at the 300/400 level in courses outside the major department from any college. Internship credits generally do not count toward this college core option.

UW-L undergraduate degree requirements

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

General Science Education (Broad Field) Major (Early Adolescence-Adolescence Certification) - BS

Major requirements

Admission requirements for STEP Program (p. 403)

(Teacher certification programs: early adolescence-adolescence)

66-70 credits

Second major only. First major must be biology education, chemistry education, or physics education.

1. STEP teacher education candidates are required to complete a 36-40 credit major in biology education, chemistry education, or physics education
2. 14 credits in one science area outside of the science major selected from biology, chemistry, earth science, or physics
3. Eight credits in each of the two remaining science areas selected from biology, chemistry, earth science, or physics
4. One mathematics course beyond minimum general education math requirement

Note: The completion of one certifiable minor is highly recommended instead of the completion of the 14 credit requirement.

Additional teacher education requirements are listed in the STEP Program core (p. 403).
Degree requirements

All students must complete the general education, college core (waived for teacher certification programs), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- Baccalaureate degree requirements (p. 388)

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Physics Education Minor

(Teacher certification programs)

22 credits (31 total credits including MTH)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 103</td>
<td>Fundamental Physics I</td>
<td>4</td>
</tr>
<tr>
<td>or PHY 203</td>
<td>General Physics I</td>
<td></td>
</tr>
<tr>
<td>PHY 104</td>
<td>Fundamental Physics II</td>
<td>4</td>
</tr>
<tr>
<td>or PHY 204</td>
<td>General Physics II</td>
<td></td>
</tr>
<tr>
<td>PHY 250</td>
<td>Modern Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 302</td>
<td>Optics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 311</td>
<td>Experimental Physics</td>
<td>2</td>
</tr>
<tr>
<td>Select six additional elective credits from the following:</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>PHY/AST 155</td>
<td>Solar System Astronomy (up to 4 credits)</td>
<td></td>
</tr>
<tr>
<td>PHY/AST 160</td>
<td>Stars, Galaxies and the Universe (up to 4 credits)</td>
<td></td>
</tr>
<tr>
<td>PHY 497</td>
<td>Physics and Astronomy Seminar (up to 2 credits)</td>
<td></td>
</tr>
<tr>
<td>PHY 498</td>
<td>Physics and Astronomy Research (up to 3 credits)</td>
<td></td>
</tr>
<tr>
<td>Courses numbered 300 and above excluding PHY 469</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Required to meet course prerequisites

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 207</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MTH 208</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>31</td>
</tr>
</tbody>
</table>

Physics Minor

(All colleges, excluding teacher certification programs)

24 credits (33 total credits including MTH)

Core courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 103</td>
<td>Fundamental Physics I</td>
<td>4</td>
</tr>
<tr>
<td>or PHY 203</td>
<td>General Physics I</td>
<td></td>
</tr>
<tr>
<td>PHY 104</td>
<td>Fundamental Physics II</td>
<td>4</td>
</tr>
<tr>
<td>or PHY 204</td>
<td>General Physics II</td>
<td></td>
</tr>
<tr>
<td>PHY 250</td>
<td>Modern Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 311</td>
<td>Experimental Physics</td>
<td>2</td>
</tr>
<tr>
<td>Electives numbered higher than PHY 250 or from any AST course</td>
<td>11</td>
<td></td>
</tr>
</tbody>
</table>

Required to meet course prerequisites

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 207</td>
<td>Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MTH 208</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>33</td>
</tr>
</tbody>
</table>

Physics Minor with Astronomy Emphasis

(All colleges, excluding teacher certification programs)

23 credits (32 total credits including MTH)

Core courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 155</td>
<td>Solar System Astronomy</td>
<td>4</td>
</tr>
<tr>
<td>AST 160</td>
<td>Stars, Galaxies and the Universe</td>
<td>4</td>
</tr>
<tr>
<td>AST 363</td>
<td>Astrophysics Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>PHY 103</td>
<td>Fundamental Physics I</td>
<td>4</td>
</tr>
<tr>
<td>or PHY 203</td>
<td>General Physics I</td>
<td></td>
</tr>
<tr>
<td>PHY 104</td>
<td>Fundamental Physics II</td>
<td>4</td>
</tr>
<tr>
<td>or PHY 204</td>
<td>General Physics II</td>
<td></td>
</tr>
<tr>
<td>PHY 250</td>
<td>Modern Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHY 302</td>
<td>Optics</td>
<td>3</td>
</tr>
</tbody>
</table>

Required to meet course prerequisites

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 207</td>
<td>Calculus I</td>
<td>5</td>
</tr>
</tbody>
</table>
Radiation therapists are health care professionals skilled in the art and science of medical radiation treatment delivery. The majority of patients receiving radiation therapy have cancer. Along with surgery and chemotherapy, radiation therapy offers these patients the best chance to succeed in the fight against their disease. The major focus areas of the profession are the care and assessment of patients, simulation, planning and delivery of treatments utilizing linear accelerator produced radiation and radio-isotopes. Aims of care include cure, relief of symptoms, and improvement of patients’ quality of life. High technology equipment and innovative treatment methods are utilized to maximize treatment effectiveness. Radiation therapists must have excellent technical skills, but must also be empathetic and effective communicators. Much satisfaction is gained from close patient interaction and the specialty’s team approach with radiation oncologists, physicists, nurses and other medical specialists. Radiation therapy is “technology with a human touch.”

The major in radiation therapy provides students with an educational foundation in the sciences and humanities as well as clinical experience in a radiation therapy department. The curriculum requires six semesters on campus in pre-professional and professional core courses prior to the senior clinical internship. The clinical internship begins in July of the senior year, extends for 13 months, and is spent at an affiliated clinical internship site. When students have met all requirements of the major and the university, they are eligible for graduation and to apply to take the national certification exam.

UW-L, in cooperation with its clinical internship sites, currently provides the only training and baccalaureate degree program in radiation therapy in the State of Wisconsin. The radiation therapy program at UW-L is designed to offer a high quality radiation therapy curriculum rich in academic and clinical experiences. During the clinical internship, students will work directly with registered radiation therapists in direct patient care in busy and highly regarded radiation oncology departments. The program also seeks to foster, in its students, the professional development, problem solving and leadership skills needed for current and future health care environments.

Program mission

The mission of the radiation therapy program at UW-L is to educate and train radiation therapists who are knowledgeable, technically competent and dedicated to their profession and their patients, while meeting the educational and personal needs of its students by emphasizing excellence in education and offering a broad based curriculum in liberal studies, professional courses and clinical internship. This program additionally seeks to promote research and provide a base for further professional development of graduates.

General education writing emphasis

This department incorporates a significant amount of writing through the required courses instead of identifying particular courses as writing emphasis courses. Students who complete a major in this department will fulfill the general education writing emphasis requirement (p. 50).

Major

- Radiation therapy major - BS (p. 389)

Radiation Therapy - Bachelor of Science (BS)

Major requirements

(Students of Science and Health)

Admission to program

Admission to the program is on a competitive basis. The number of students admitted to the major is dependent on the number of clinical internship sites and their student capacity. Class sizes are approximately 20. Admission to the major is on a competitive basis. Applications are available at the Department of Health Professions office or on the Radiation Therapy (http://www.uwlax.edu/rt) Program (http://www.uwlax.edu/rt/html/Admissions.htm)’s website.
1. Students are advised to apply for admission to the professional program early in the late fall prior to desired admission, after having taken or registered for all general education and pre-professional requirements. Deadline is mid-December.

2. Applicants are required to have a minimum cumulative grade point average of 2.75 on a 4.0 scale and a grade of "C" or higher in all general education and pre-professional courses. Applicants are required to have a minimum pre-professional grade point average of 2.75 on a 4.0 scale.

3. Applicants are required to successfully complete 40 hours of observation in a radiation therapy department. Students are encouraged to plan to visit during summer, spring break or between semesters. Some sites may require that the student have had a set of immunizations prior to the visit to comply with hospital policy.

4. Applicants are considered without regard to sex, race, color, creed, religion, national origin, disability, ancestry, age, sexual orientation, pregnancy, marital status, or parental status.

5. Students for whom English is a second language must earn a minimum score of 600 (paper-based), 250 (computer-based), or 100 (Internet-based) on the Test of English as a Foreign Language (TOEFL) or a score of 6.5 on the International English Language Testing System (IELTS) exam within two years prior to application to the program.

6. Applications must be submitted in full by mid-December deadline to the Department of Health Professions office.

**Selection process**

A selection committee will be appointed to review all completed applications, interview all qualified candidates and make selection decisions. The committee carefully considers each applicant, looking at academic performance, personal characteristics, and experiences that predict success in the field.

Acceptance is effective at the beginning of the junior year conditional upon successful completion of courses in progress at the time of notification of acceptance. Selection is also conditional upon students' compliance with state laws for caregivers including submission to a criminal background check. Students take the professional core courses in La Crosse.

Students who successfully meet program requirements in the professional core courses will interview with the clinical internship sites and upon selection by one of the sites will be placed for the clinical internship. While student preferences in internship site are taken into account, students cannot be guaranteed that they will be assigned in accordance with their choices of clinical site.

**Radiation therapy affiliated clinical internship sites:**
- University of Wisconsin Hospital, Madison, WI
- Froedtert Memorial Lutheran Hospital, Milwaukee, WI
- Gundersen Health System, La Crosse, WI
- Advocate Lutheran Hospital, Park Ridge, IL
- Columbia St. Mary's Hospital, Milwaukee, WI

**Curriculum**

(117 total credits including internship)

Retention of good standing in the program requires that students maintain a grade of "C" or higher in all required courses, as well as a semester and cumulative grade point average of 2.75 on a 4.0 scale.

**Pre-professional requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 105</td>
<td>General Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 312</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BIO 313</td>
<td>Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>CHM 103</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHM 104</td>
<td>General Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>MTH 145</td>
<td>Elementary Statistics</td>
<td>4</td>
</tr>
<tr>
<td>MTH 151</td>
<td>Precalculus</td>
<td>4</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 101</td>
<td>Introduction to Computing</td>
<td>3-4</td>
</tr>
<tr>
<td>CT 100</td>
<td>Introduction to Computational Thinking</td>
<td>1</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 125</td>
<td>Physics for the Life Sciences</td>
<td>4-8</td>
</tr>
<tr>
<td>PHY 103</td>
<td>Fundamental Physics I</td>
<td>3</td>
</tr>
<tr>
<td>&amp; PHY 104</td>
<td>Fundamental Physics II</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 100</td>
<td>General Psychology</td>
<td>1</td>
</tr>
<tr>
<td>SOC 110</td>
<td>The Social World</td>
<td>1</td>
</tr>
<tr>
<td>SOC 120</td>
<td>Social Problems</td>
<td>1</td>
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</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 110</td>
<td>Microeconomics and Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>ECO 120</td>
<td>Global Macroeconomics</td>
<td>1</td>
</tr>
</tbody>
</table>

**Total Credits**

43-48

**Professional core requirements:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 306</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIO 333</td>
<td>Radiation Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 432</td>
<td>Biology of Cancer</td>
<td>2</td>
</tr>
<tr>
<td>HP 250</td>
<td>Medical Terminology for Health Professions</td>
<td>1</td>
</tr>
<tr>
<td>PHY 386</td>
<td>Radiation Physics</td>
<td>3</td>
</tr>
<tr>
<td>RT 310</td>
<td>Pathophysiology</td>
<td>3</td>
</tr>
<tr>
<td>RT 325</td>
<td>Radiation Therapy Readings, Writing and Research</td>
<td>3</td>
</tr>
<tr>
<td>RT 330</td>
<td>Professional Issues in Radiation Therapy</td>
<td>2</td>
</tr>
<tr>
<td>RT 350</td>
<td>Patient Care Issues</td>
<td>3</td>
</tr>
<tr>
<td>RT 370</td>
<td>Health Care Systems and Human Resources in Radiation Therapy</td>
<td>2</td>
</tr>
<tr>
<td>RT 390</td>
<td>Medical Imaging</td>
<td>2</td>
</tr>
<tr>
<td>RT 391</td>
<td>Applied Concepts in Medical Imaging</td>
<td>1</td>
</tr>
<tr>
<td>RT 400</td>
<td>Clinical Internship Seminar</td>
<td>1</td>
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</tbody>
</table>

**Total Credits**

30

**Clinical internship requirements:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RT 401</td>
<td>Introduction to Radiation Therapy</td>
<td>3</td>
</tr>
<tr>
<td>RT 411</td>
<td>Principles and Practice of Radiation Therapy I</td>
<td>4</td>
</tr>
<tr>
<td>RT 412</td>
<td>Principles and Practice of Radiation Therapy II</td>
<td>4</td>
</tr>
<tr>
<td>RT 421</td>
<td>Cross Sectional, Topographic &amp; Radiographic Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>RT 431</td>
<td>Radiation Therapy Physics</td>
<td>3</td>
</tr>
<tr>
<td>RT 435</td>
<td>Dosimetry and Treatment Planning</td>
<td>3</td>
</tr>
<tr>
<td>RT 437</td>
<td>Quality Management in Radiation Therapy</td>
<td>2</td>
</tr>
<tr>
<td>RT 471</td>
<td>Clinical Practicum</td>
<td>3</td>
</tr>
</tbody>
</table>
Degree requirements

All students must complete the general education, college core (waived for radiation therapy majors), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- Baccalaureate degree requirements (p. 391)

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. 1 At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA 1 in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Recreation Management and Therapeutic Recreation (REC/RTH)

College of Science and Health
Department Chair: Steven Simpson
2036 Health Science Center; 608.785.8216
Email: ssimpson@uwlax.edu

www.uwlax.edu/sah/rmtr

Recreation Management Program (REC)

One of the largest undergraduate programs in the United States, the recreation management program at UW-La Crosse is the only nationally accredited recreation management program in the University of Wisconsin System. The mission of the program is to train students in the skills of the recreation profession and instill an appreciation of the vital role of leisure in people’s lives. An experiential approach to our teaching makes students uniquely competitive in the recreation job market and provides an excellent transition into the recreation profession. The program serves students interested in a range of recreation agencies upon graduation, among them governmental parks and recreation departments, YMCAs, Boys and Girls Clubs, camps, environment education centers, recreation facilities on military bases, and various tourism enterprises including resorts.

Therapeutic Recreation Program (RTH)

Therapeutic recreation specialists assist persons with disabilities or illnesses to improve their functioning and quality of life. This is achieved through the development of a meaningful leisure lifestyle. Comprehensive therapeutic recreation services include an approach based on the needs, interests, abilities, and strengths of clients. Services are offered on a continuum of care which includes treatment (which incorporates recreation activities to improve functional abilities and assist in diagnosis), leisure education (which focuses on the acquisition of recreation skills that help attain an independent lifestyle), and recreation participation (which uses recreation activities to enhance health and overall quality of life).

Students learn to develop and implement therapeutic programs using recreational activities such as exercise, horticulture, arts and crafts, games, music, reminiscence, pain management, and stress management. These goal-directed programs help individuals and groups with disabling conditions to learn, adapt and grow through leisure participation.

While most colleges and universities offer a recreation major with a concentration in therapeutic recreation, UW-La Crosse is one of the few universities in the nation to offer therapeutic recreation as its own independent major.
Recreation management/therapeutic recreation course availability

- The following classes are open to all students in all majors:
  REC 150, REC 306, REC 481, RTH 203, RTH 204, RTH 215, RTH 250, RTH 325, RTH 326, RTH 327, RTH 345, RTH 355, RTH 474.

- The following classes are open only to therapeutic recreation majors:
  RTH 252, RTH 260, RTH 330, RTH 332, RTH 333, RTH 456, RTH 462, RTH 470, RTH 476, RTH 480\(^1\), RTH 483, RTH 490, RTH 491, RTH 493, RTH 495, RTH 496, RTH 497, RTH 498

1  Also open to at-risk child/youth care minor students.
2  Also open to gerontology emphasis students.

- The remaining REC/RTH classes are open only to recreation management majors or minors, therapeutic recreation majors and inclusive recreation minors.

Recreation programs transfer policy

Students transferring into recreation programs must have a cumulative GPA of 2.50 or higher at the time of transfer.

General education writing emphasis

This department incorporates a significant amount of writing through the required courses instead of identifying particular courses as writing emphasis courses. Students who complete a major in this department will fulfill the general education writing emphasis requirement (p. 50).

Our people

Professor
Steve Simpson, Ph.D., Department Chair
Susan Murray, Ed.D.

Associate Professor
Patricia Ardovino, Ph.D.
Jearold Holland, Ph.D.
Gretchen Newhouse, Ph.D.
Nancy Richeson, Ph.D.

Assistant Professor
Jin Young Chung, Ph.D.
Kate Evans, Ph.D.
Laurie Harmon, Ph.D.
Daniel Plunkett, Ph.D.

Senior Lecturer
Daniel Widuch, M.S.

Associate Lecturer
Tara Delong, M.S.

Lisa Savarese, M.S.

Administrative Support
Janet Craig, Department Associate
Maureen Nelson

Majors

- Recreation management - BS (p. 392)
- Therapeutic recreation major - BS (p. 393)

Minors

- Recreation management minor (p. 395)
- Recreation management minor for therapeutic recreation majors (p. 395)
- Inclusive recreation minor (p. 395)

Recreation Management - Bachelor of Science (BS)

One of the largest undergraduate programs in the United States, the recreation management program at UW-La Crosse is the only nationally accredited recreation management program in the University of Wisconsin System. The mission of the program is to train students in the skills of the recreation profession and instill an appreciation of the vital role of leisure in people’s lives. An experiential approach to our teaching makes students uniquely competitive in the recreation job market and provides an excellent transition into the recreation profession. The program serves students interested in a range of recreation agencies upon graduation, among them governmental parks and recreation departments, YMCAs, Boys and Girls Clubs, camps, environment education centers, recreation facilities on military bases, and various tourism enterprises including resorts.

Major requirements

(College of Science and Health)

64 credits (80 total credits including interdisciplinary requirements)

Core requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>REC 150</td>
<td>Foundations of Recreation</td>
<td>3</td>
</tr>
<tr>
<td>REC 151</td>
<td>Introduction to Recreation Management</td>
<td>1</td>
</tr>
<tr>
<td>REC 200</td>
<td>Program Leadership of Recreation Activities</td>
<td>3</td>
</tr>
<tr>
<td>REC 202</td>
<td>Leisure, Nature, and Contemplative Experiences</td>
<td>2</td>
</tr>
<tr>
<td>REC 300</td>
<td>Program Planning in Recreation</td>
<td>3</td>
</tr>
<tr>
<td>REC 302</td>
<td>Recreation Supervision and Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>REC 304</td>
<td>Maintenance of Recreation Facilities</td>
<td>3</td>
</tr>
<tr>
<td>REC 306</td>
<td>Environmental Ethics, Outdoor Recreation and Natural Resources</td>
<td>3</td>
</tr>
<tr>
<td>REC 320</td>
<td>Principles and Practices of Tourism</td>
<td>3</td>
</tr>
<tr>
<td>REC 340</td>
<td>Evaluation Methods and Practices</td>
<td>3</td>
</tr>
<tr>
<td>REC 351</td>
<td>Civic Engagement in the Recreation Profession</td>
<td>3</td>
</tr>
<tr>
<td>REC 400</td>
<td>Planning for Park and Recreation Facilities</td>
<td>3</td>
</tr>
<tr>
<td>REC 401</td>
<td>Management in Park and Recreation Resources</td>
<td>3</td>
</tr>
</tbody>
</table>
Other Requirements

1. Students must have a minimum GPA of 2.5 or greater to enter the program.

2. Prior to enrollment in REC 449 Internship/Professional Preparation, majors must complete two 50-hour professional experiences. These are non-class field experiences at recreation management agencies.

3. Before enrolling in REC 450 Internship (16 cr.), all required REC and RTH courses must be completed with a grade of “C” or better; and the student must have a cumulative UW-L GPA of at least 2.5.

Degree requirements

All students must complete the general education, college core (waived for recreation management majors), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- Baccalaureate degree requirements (p. 393)

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Therapeutic Recreation Major - Bachelor of Science (BS)

Therapeutic recreation specialists assist persons with disabilities or illnesses to improve their functioning and quality of life. This is achieved through the development of a meaningful leisure lifestyle. Comprehensive therapeutic recreation services include an approach based on the needs, interests, abilities, and strengths of clients. Services are offered on a continuum of care which includes treatment (which incorporates recreation activities to improve functional abilities and assist in diagnosis), leisure education (which focuses on the acquisition of recreation skills that help attain an independent lifestyle), and recreation participation (which uses recreation activities to enhance health and overall quality of life).

Students learn to develop and implement therapeutic programs using recreational activities such as exercise, horticulture, arts and crafts, games, music, reminiscence, pain management, and stress management. These goal-directed programs help individuals and groups with disabling conditions to learn, adapt and grow through leisure participation.

While most colleges and universities offer a recreation major with a concentration in therapeutic recreation, UW-La Crosse is one of the few universities in the nation to offer therapeutic recreation as its own independent major.

Major requirements

(College of Science and Health)

73-74 credits excluding general education credits

General education courses

<table>
<thead>
<tr>
<th>Select one of the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 103 Introductory Biology</td>
</tr>
<tr>
<td>BIO 105 General Biology</td>
</tr>
<tr>
<td>MIC 100 Microbes and Society</td>
</tr>
<tr>
<td>MTH 145 Elementary Statistics</td>
</tr>
<tr>
<td>PSY 100 General Psychology</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Total Credits</td>
</tr>
</tbody>
</table>

Interdisciplinary requirements

| PSY 204 Abnormal Psychology |
| PSY 212 Lifespan Development |
List of courses:

### List 1

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESS 205</td>
<td>Human Anatomy and Physiology for Exercise</td>
<td>3</td>
</tr>
<tr>
<td>or BIO 312</td>
<td>Human Anatomy and Physiology I</td>
<td></td>
</tr>
</tbody>
</table>

**Professional core requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>REC 150</td>
<td>Foundations of Recreation</td>
<td>3</td>
</tr>
<tr>
<td>REC 200</td>
<td>Program Leadership of Recreation Activities</td>
<td>3</td>
</tr>
<tr>
<td>RTH 250</td>
<td>Introduction to Therapeutic Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RTH 252</td>
<td>Innovative Activities in Therapeutic Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RTH 319</td>
<td>Leadership and Supervision in Therapeutic Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RTH 326</td>
<td>Therapeutic Recreation Populations I</td>
<td>3</td>
</tr>
<tr>
<td>RTH 327</td>
<td>Therapeutic Recreation Populations II</td>
<td>3</td>
</tr>
<tr>
<td>RTH 355</td>
<td>Medical Language</td>
<td>3</td>
</tr>
<tr>
<td>RTH 456</td>
<td>Program Design and Administration of Therapeutic Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RTH 462</td>
<td>Inclusive Recreation Program Administration</td>
<td>3</td>
</tr>
<tr>
<td>RTH 470</td>
<td>Facilitation Techniques in Therapeutic Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RTH 476</td>
<td>Assessment &amp; Treatment Planning-Therapeutic Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RTH 480</td>
<td>Leisure Education</td>
<td>3</td>
</tr>
<tr>
<td>RTH 493</td>
<td>Therapeutic Recreation Trends and Issues</td>
<td>3</td>
</tr>
<tr>
<td>RTH 496</td>
<td>Orientation to Internship in Therapeutic Recreation</td>
<td>1</td>
</tr>
<tr>
<td>RTH 498</td>
<td>Internship in Therapeutic Recreation</td>
<td>16</td>
</tr>
</tbody>
</table>

**Elective courses**

Select a minimum of five to six credits from lists; one elective course must be chosen from List 1 (see lists below)

**Total Credits:** 73-74

### Other requirements

1. A successful 50 hours of therapeutic recreation experience (volunteer or paid) must be documented before enrolling in RTH 456 Program Design and Administration of Therapeutic Recreation. For written guideline and evaluation forms, see the therapeutic recreation website.

2. Students must have a minimum GPA of 2.50 or greater to enter the program.

3. Students must obtain a therapeutic recreation faculty advisor when admitted. Advisors are assigned by the College of Science and Health Dean’s office.

4. Before enrolling in RTH 498 Internship in Therapeutic Recreation (12-16 cr.), all required courses must be completed with a grade of "C" or better; and the student must have a cumulative GPA of at least 2.50.

### List 2

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTH 203</td>
<td>Outdoor Recreation Skills for Persons With Special Need</td>
<td>3</td>
</tr>
<tr>
<td>RTH 204</td>
<td>Multicultural Crafts and Folk Art</td>
<td>2</td>
</tr>
<tr>
<td>RTH 215</td>
<td>Adapted Aquatic Activities</td>
<td>1</td>
</tr>
<tr>
<td>RTH 402</td>
<td>Helping Children Cope with Grief and Loss</td>
<td>3</td>
</tr>
<tr>
<td>RTH 403</td>
<td>Helping Children Cope with and Manage Pain</td>
<td>3</td>
</tr>
<tr>
<td>RTH 404</td>
<td>Coping with Pediatric Disabling Conditions</td>
<td>3</td>
</tr>
<tr>
<td>RTH 474</td>
<td>Experiential Education: Facilitation Techniques in Ropes Course</td>
<td>3</td>
</tr>
<tr>
<td>RTH 491</td>
<td>Workshop in Therapeutic Recreation</td>
<td>1-3</td>
</tr>
<tr>
<td>RTH 495</td>
<td>Independent Study in Therapeutic Recreation</td>
<td>1-3</td>
</tr>
<tr>
<td>RTH 497</td>
<td>Special Projects in Therapeutic Recreation</td>
<td>1-3</td>
</tr>
<tr>
<td>PSY 282</td>
<td>Cross-Cultural Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 305</td>
<td>Human Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>PSY 315</td>
<td>Behavior Modification</td>
<td>3</td>
</tr>
<tr>
<td>PSY 318</td>
<td>Psychology of Women (ES)</td>
<td>3</td>
</tr>
<tr>
<td>PSY 343</td>
<td>Group Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>PSY 347</td>
<td>Empathic Listening Skills</td>
<td>3</td>
</tr>
<tr>
<td>PSY 359</td>
<td>Aging and the Elderly</td>
<td>1</td>
</tr>
<tr>
<td>PSY 417</td>
<td>Child and Adolescent Psychopathology</td>
<td>3</td>
</tr>
<tr>
<td>HED 205</td>
<td>Introduction to Health and Wellness Education</td>
<td>3</td>
</tr>
<tr>
<td>HED 412</td>
<td>Women's Health Issues</td>
<td>1-3</td>
</tr>
<tr>
<td>HED 469</td>
<td>Drugs, Society and Human Behavior</td>
<td>3</td>
</tr>
<tr>
<td>HED 472</td>
<td>Sexual Health Promotion</td>
<td>3</td>
</tr>
</tbody>
</table>

### Degree requirements

All students must complete the general education, college core (waived for therapeutic recreation majors), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- Baccalaureate degree requirements (p. 394)

### Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Recreation Management Minor
(All colleges, excluding therapeutic recreation majors)

19 credits

Students must have a minimum GPA of 2.50 or greater to enter the program.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>REC 150</td>
<td>Foundations of Recreation</td>
<td>3</td>
</tr>
<tr>
<td>REC 151</td>
<td>Introduction to Recreation Management</td>
<td>1</td>
</tr>
<tr>
<td>REC 200</td>
<td>Program Leadership of Recreation Activities</td>
<td>3</td>
</tr>
<tr>
<td>REC 300</td>
<td>Program Planning in Recreation</td>
<td>3</td>
</tr>
<tr>
<td>REC 202</td>
<td>Recreation, Nature, and Contemplative Experiences</td>
<td>1</td>
</tr>
<tr>
<td>REC 302</td>
<td>Recreation Supervision and Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>REC 304</td>
<td>Maintenance of Recreation Facilities</td>
<td>3</td>
</tr>
<tr>
<td>REC 305</td>
<td>Operation and Management of Swimming Pools and Spas</td>
<td>3</td>
</tr>
<tr>
<td>REC 306</td>
<td>Environmental Ethics, Outdoor Recreation and Natural Resources</td>
<td>3</td>
</tr>
<tr>
<td>REC 320</td>
<td>Principles and Practices of Tourism</td>
<td>3</td>
</tr>
<tr>
<td>REC 340</td>
<td>Evaluation Methods and Practices</td>
<td>3</td>
</tr>
<tr>
<td>REC 351</td>
<td>Civic Engagement in the Recreation Profession</td>
<td>3</td>
</tr>
<tr>
<td>REC 375</td>
<td>Workshop in Recreation Management</td>
<td>3</td>
</tr>
<tr>
<td>REC 400</td>
<td>Planning for Park and Recreation Facilities</td>
<td>3</td>
</tr>
<tr>
<td>REC 401</td>
<td>Management in Park and Recreation Resources</td>
<td>3</td>
</tr>
<tr>
<td>REC 402</td>
<td>Risk Management in Leisure Service Organizations</td>
<td>3</td>
</tr>
<tr>
<td>REC 404</td>
<td>Budgeting in the Recreation Enterprise</td>
<td>3</td>
</tr>
<tr>
<td>REC 420</td>
<td>Revenue Management in Recreation Enterprises</td>
<td>3</td>
</tr>
<tr>
<td>REC 481</td>
<td>Outdoor Pursuits</td>
<td>3</td>
</tr>
<tr>
<td>REC 491</td>
<td>Workshops in Recreation and Parks</td>
<td>3</td>
</tr>
<tr>
<td>REC 495</td>
<td>Independent Study in Recreation</td>
<td>3</td>
</tr>
<tr>
<td>REC 497</td>
<td>Special Projects in Recreation Management</td>
<td>3</td>
</tr>
<tr>
<td>REC 499</td>
<td>Seminar in Recreation</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 19

Inclusive Recreation Minor

The Americans with Disabilities Act mandates that agencies offering recreation programs must accommodate people with disabilities. The inclusive recreation minor prepares professionals from various disciplines to address concerns such as accessibility, knowledge of disabilities, appropriate programming, and adapting activities.

Persons employed in the following types of settings would benefit from this minor: play areas, recreation facilities such as amusement rides, boating facilities, fishing piers and platforms, miniature golf courses, golf courses, sporting facilities, swimming pools and spas, outdoor developed areas, YMCAs, and youth clubs. Persons involved in the following professions would benefit from this minor: recreation management, education, physical education, fitness, special education, health and wellness, psychology, business, sports management, and other social and human service areas.

Recreation Management Minor for Therapeutic Recreation Majors

18 credits

Students must have a minimum GPA of 2.50 or greater to enter the program.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>REC 150</td>
<td>Foundations of Recreation</td>
<td>3</td>
</tr>
<tr>
<td>REC 200</td>
<td>Program Leadership of Recreation Activities</td>
<td>3</td>
</tr>
<tr>
<td>REC 401</td>
<td>Management in Park and Recreation Resources</td>
<td>3</td>
</tr>
<tr>
<td>RTH 319</td>
<td>Leadership and Supervision in Therapeutic Recreation</td>
<td>3</td>
</tr>
<tr>
<td>REC 201</td>
<td>Leisure, Nature, and Contemplative Experiences</td>
<td>6</td>
</tr>
<tr>
<td>REC 300</td>
<td>Program Planning in Recreation</td>
<td>3</td>
</tr>
<tr>
<td>REC 304</td>
<td>Maintenance of Recreation Facilities</td>
<td>3</td>
</tr>
<tr>
<td>REC 305</td>
<td>Operation and Management of Swimming Pools and Spas</td>
<td>3</td>
</tr>
<tr>
<td>REC 306</td>
<td>Environmental Ethics, Outdoor Recreation and Natural Resources</td>
<td>3</td>
</tr>
<tr>
<td>REC 320</td>
<td>Principles and Practices of Tourism</td>
<td>3</td>
</tr>
<tr>
<td>REC 340</td>
<td>Evaluation Methods and Practices</td>
<td>3</td>
</tr>
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<td>REC 351</td>
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<td>3</td>
</tr>
<tr>
<td>REC 375</td>
<td>Workshop in Recreation Management</td>
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<td>Independent Study in Recreation</td>
<td>3</td>
</tr>
<tr>
<td>REC 497</td>
<td>Special Projects in Recreation Management</td>
<td>3</td>
</tr>
<tr>
<td>REC 499</td>
<td>Seminar in Recreation</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credits 18

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.
The **inclusive recreation minor** is not a comprehensive therapeutic recreation curriculum, nor is it intended to lead toward national certification. The inclusive recreation minor is academic preparation to assist professionals who are interested in providing inclusive recreation programs.

## Minor requirements

*(All colleges, excluding therapeutic recreation majors)*

21 credits

### Required courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>REC 150</td>
<td>Foundations of Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RTH 250</td>
<td>Introduction to Therapeutic Recreation</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two to three credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTH 325</td>
<td>Inclusive Recreation</td>
<td></td>
</tr>
<tr>
<td>RTH 326</td>
<td>Therapeutic Recreation Populations I</td>
<td></td>
</tr>
<tr>
<td>RTH 327</td>
<td>Therapeutic Recreation Populations II</td>
<td></td>
</tr>
<tr>
<td>RTH 456</td>
<td>Program Design and Administration of Therapeutic Recreation</td>
<td>3</td>
</tr>
<tr>
<td>RTH 462</td>
<td>Inclusive Recreation Program Administration</td>
<td>3</td>
</tr>
</tbody>
</table>

Select three credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTH 203</td>
<td>Outdoor Recreation Skills for Persons with Special Need</td>
<td></td>
</tr>
<tr>
<td>RTH 204</td>
<td>Multicultural Crafts and Folk Art</td>
<td></td>
</tr>
<tr>
<td>RTH 252</td>
<td>Innovative Activities in Therapeutic Recreation</td>
<td></td>
</tr>
<tr>
<td>RTH 474</td>
<td>Experiential Education: Facilitation Techniques in Ropes Course</td>
<td></td>
</tr>
<tr>
<td>ESS 233</td>
<td>Teaching Methods in Adapted Aquatics</td>
<td></td>
</tr>
<tr>
<td>ESS 435</td>
<td>Sports for Persons with Disabilities</td>
<td></td>
</tr>
</tbody>
</table>

### Electives

Select three to four credits of the following:

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTH 203</td>
<td>Outdoor Recreation Skills for Persons with Special Need</td>
<td></td>
</tr>
<tr>
<td>RTH 204</td>
<td>Multicultural Crafts and Folk Art</td>
<td></td>
</tr>
<tr>
<td>RTH 215</td>
<td>Adapted Aquatic Activities</td>
<td></td>
</tr>
<tr>
<td>RTH 252</td>
<td>Innovative Activities in Therapeutic Recreation</td>
<td></td>
</tr>
<tr>
<td>RTH 325</td>
<td>Inclusive Recreation</td>
<td></td>
</tr>
<tr>
<td>RTH 326</td>
<td>Therapeutic Recreation Populations I</td>
<td></td>
</tr>
<tr>
<td>RTH 327</td>
<td>Therapeutic Recreation Populations II</td>
<td></td>
</tr>
<tr>
<td>RTH 330</td>
<td>Therapeutic Recreation and Mental Health</td>
<td></td>
</tr>
<tr>
<td>RTH 345</td>
<td>Leisure in Gerontology</td>
<td></td>
</tr>
<tr>
<td>RTH 480</td>
<td>Leisure Education</td>
<td></td>
</tr>
<tr>
<td>REC 200</td>
<td>Program Leadership of Recreation Activities</td>
<td></td>
</tr>
<tr>
<td>REC 202</td>
<td>Leisure, Nature, and Contemplative Experiences</td>
<td></td>
</tr>
<tr>
<td>REC 304</td>
<td>Maintenance of Recreation Facilities</td>
<td></td>
</tr>
<tr>
<td>REC 305</td>
<td>Operation and Management of Swimming Pools and Spas</td>
<td></td>
</tr>
<tr>
<td>PSY 204</td>
<td>Abnormal Psychology</td>
<td></td>
</tr>
<tr>
<td>ESS 233</td>
<td>Teaching Methods in Adapted Aquatics</td>
<td></td>
</tr>
<tr>
<td>ESS 435</td>
<td>Sports for Persons with Disabilities</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 21

1 if not selected above
School of Education (SOE)

Director: Marcie Wycoff-Horn
145 Graff Main Hall; 608.785.8134

Office of Field Experience, Director: Sheila Wirkus - 145 Graff Main Hall; 608.785.8126
Office of Field Experience, Assistant Director: Cindy Duley - 145 Graff Main Hall; 608.785.8736
Assessment Coordinator: Katie Hosley-Frieden - 145 Graff Main Hall; 608.785.8148
Minority Adviser/Recruiter: Bethany Brent - 145 Graff Main Hall; 608.785.8121
Professional Development & Outreach Coordinator: Rick Stewart - 145 Graff Main Hall; 608.785.8133
Professional Development School Coordinator: Vacant - 145 Graff Main Hall; 608.785.8041
Assistant to the Dean (CLS)/Certification Officer: Sandra Keller - 260 Morris Hall; 608.785.5454
Assistants to the Dean (SAH): Carla Burkhardt, Guy Herling - 205 Graff Main Hall; 608.785.8156

www.uwlax.edu/soe

The School of Education (SOE) at the University of Wisconsin-La Crosse (UW-L) represents a collection of teacher education programs housed in a variety of departments and colleges across campus. Approximately 900 students are enrolled in teacher education programs at UW-L. Students enrolled in teacher education programs benefit from the numerous PK-12 school partnerships, which aim to promote best practices in teaching and learning.

Majors and minors (p. 397)
Admission (p. 398) to SOE and retention (p. 398)
Teacher education assessment (p. 398)
Teacher education testing requirements (p. 399)
Student teaching and internships (p. 400)
Licensing (p. 401)
Early childhood, elementary, and middle school certification (p. 401) (EC-MC, MC-EA, and EC-A programs)
Physical education teacher education (PETE) certification (p. 402)
School health education (SHE) certification (p. 402)
Secondary teacher education preparation (STEP) admission and certification (p. 402) (EA-A program)

Accreditation
• Higher Learning Commission (North Central Association)
• Wisconsin Department of Public Instruction since 1937

Mission
The mission of the School of Education is to develop within its graduates a commitment to the teaching profession, a profound respect for the dignity of all learners, and the professional competencies that enable them to be effective teachers and responsible citizens in a diverse and dynamic world.

Conceptual framework
Vision: The School of Education at UW-L strives to become a leader in the preparation of globally responsive teachers through a university-wide commitment to teacher education.

Definition: The globally responsive teacher believes that all learners can learn at high levels and persists in helping all learners achieve success. The teacher appreciates and values human diversity, shows respect for learners’ varied talents and perspectives, and commits to the pursuit of excellence for all learners. Globally responsive teaching includes infusion of a strong academic curriculum linked to world events, geography, world cultures, and diverse perspectives. Globally responsive teachers act to make the world a healthier and more sustainable and just environment.

A globally responsive professional education program includes the following:

• Teacher candidates gain understanding of contemporary content issues from a variety of perspectives.
• Teacher candidates learn how to employ discipline specific skills in their analyses of global issues.
• Teacher candidates design integrated curricular units so their students will have a greater understanding of the world.
• Teacher candidates are encouraged and supported to engage in international study abroad programs.
• Teacher candidates develop model lessons that infuse global awareness into their curriculum.
• Teacher candidates develop enrichment of cultural, environmental, and/or civic issues.
• Teacher candidates consider content issues, both local and global, using technology and community resources to enhance learning and expand their resource networks.

SOE resources
Several resources for education students, university faculty, and area teachers are provided through the School of Education.

Alice Hagar Curriculum Resource Center
• Contains many teacher education materials and references for all grade levels
• Located on the upper floor of Murphy Library (http://www2.uwlax.edu/MurphyLibrary-Home)

Rhea Pederson Reading Center
• Provides reading resources for UW-L students and area teachers
• Located in 335 Morris Hall

Majors and minors in the Department of Educational Studies
The Department of Educational Studies (DES) is housed in the School of Education. The following undergraduate majors, minors, and programs are available through DES. Specific content areas are housed in the related departments in the other colleges/school.

B.S. = Bachelor of Science  m = minor
School of Education (SOE)

- Early Childhood-Elementary Education (B.S., EC-MC)
- Elementary-Middle Level Education (B.S., MC-EA)
- Early Childhood-Adolescence (B.S. in art, music, French, German studies, or Spanish; EC-A)
- Special Education (m, add-on teacher certification)
- General Science (m, MC-EA)
- Social Science (m, MC-EA)

**Department of Public Instruction (DPI) certification ranges and abbreviations**

EC-MC = Early Childhood-Middle Childhood Certification (ages birth to 11)

MC-EA = Middle Childhood-Early Adolescence Certification (ages 6-12 or 13)

EA-A = Early Adolescence-Adolescence Certification (ages 10 to 21)

**Additional teacher certification programs in the School of Education**

The following programs are certifiable at the Early Adolescence-Adolescence (ages 10 to 21) developmental range (EA-A):

**College of Liberal Studies**

- Economics Education (m)
- English Education (B.S., m)
- French Education (B.S., m)
- German Studies Education (B.S., m)
- History Education (B.S., m)
- Political Science Education (B.S., m)
- Psychology Education (m)
- Social Studies (B.S.)
- Sociology Education (B.S., m)
- Spanish Education (B.S., m)

**College of Science and Health**

- Adapted Physical Education (m)
- Biology Education (B.S., m)
- Chemistry Education (B.S., m)
- Community Health Education (B.S.)
- Computer Science Education (B.S., m)
- Exercise and Sport Science: Physical Education Emphasis (B.S.)
- General Science Education - Broad Field (second major only)
- Geography Education (B.S., m)
- Mathematics Education (B.S., m)
- Physics Education (B.S., m)
- School Health Education (B.S., m)

**Required disclosure of criminal offenses**

Students interested in admission will be asked to disclose any criminal charges filed against them through a self report form. Applicants with a felony conviction (which prohibits them from entering the teaching profession) will not be admitted into any program within the SOE. Student applicants with lesser charges (misdemeanors not involving children) shall be permitted to apply to the SOE.

Any student who has been convicted of a criminal offense must contact the Wisconsin Department of Public Instruction (DPI) to discuss eligibility for teacher licensure. A copy of the DPI Conduct and Competency Code is available in the certification office in 260 Thomas Morris Hall.

**Comprehensive assessment system in teacher education (including portfolio)**

All teacher candidates seeking certification must successfully complete procedures related to program admission, progression, and exit criteria. The teacher candidate’s progress toward competencies in the InTASC (Interstate Teacher Assessment and Support Consortium) Model Core Teaching Standards is monitored while the candidate completes requirements in the respective teacher education program. Teacher candidates must earn and maintain the cumulative, major, and minor grade point averages required by their respective program of study. Course and field experience assessments are designed to monitor professional growth in the InTASC Model Core Teaching Standards listed below. The Wisconsin Department of Public Instruction (DPI) requires that each candidate who prepares for a teaching career to have a portfolio of evidence documenting that the standards required for a teaching license have been met (PI 34.13). Specific requirements for portfolios can be found on the School of Education (http://www.uwlax.edu/soe/portfolio)’s website. More licensing information can be found below (p. 401).

**Note:** Students should be aware that the Department of Public Instruction is specific in its requirements about the content of both general education and professional education; therefore, prospective teacher education candidates should work closely with an advisor from the outset of their studies at the university. Completion of DPI requirements for licensure may take longer than four academic years.

**Interstate Teacher Assessment and Support Consortium (InTASC) Model Core Teaching Standards**

- **Standard 1: Learner Development**
- **Standard 2: Learning Differences**
- **Standard 3: Learning Environment**
- **Standard 4: Content Knowledge**
- **Standard 5: Application of Content**
- **Standard 6: Assessment**
Retention in teacher education

Candidates may be retained in the teacher education program as long as they maintain 2.75 combined cumulative, major, and minor GPA’s (3.00 for graduate candidates); show proficiency in oral and written communication; fulfill additional assessment criteria (e.g., portfolio) required by the candidate’s program; and are otherwise in good standing with the university and SOE.

Teacher candidate progress review policy

The faculty and staff (including clinical and student teaching personnel) of SOE recognize that all individuals seeking certification may not meet certain minimal professional standards; therefore, a procedure has been established to identify and to counsel candidates in need of directed guidance. Additional measures may be taken if deemed necessary. The referral process may lead to the candidate’s removal from the teacher education program(s).

SOE’s Teacher Candidate Progress Review Committee is charged with overseeing the development and assessment of knowledge, skills, and dispositions among teacher candidates as assessed by the multiple measures of the established teacher education assessment system. Academic and non-academic misconduct (plagiarism, cheating, etc.) are referred directly to the Office of Student Life as outlined in the university’s handbook (http://www.uwlax.edu/studentlife/eagle_eye.htm), Eagle Eye.

If issues related to the progress of candidates are identified, a referral is initiated using the Teacher Candidate Progress Review Referral Form (http://www.uwlax.edu/soe/field/TCPR%20Plan%20REVISED.pdf), and the candidate receives a copy of the referral. The Director of the School of Education will forward a copy to the candidate’s advisor, the academic assistant to the dean/certification officer, department chair, and the content liaison, where appropriate. There are three types of referrals:

- Notice of concern,
- Automatic referral, and
- Program referral.

Notice of concern

1. A concerned faculty or staff member completes a written notice of concern. The candidate is required to schedule an appointment to review the content of the notice of concern form. A minimum of two faculty or staff members will discuss the referral with the candidate and provide him/her with a copy of the referral form. After the content of the referral form is discussed, the candidate signs the referral form acknowledging receipt.

2. The faculty or staff member submits the signed referral form to the Office of the Director of the School of Education; copies of the form are sent to the appropriate individuals and placed in the candidate’s permanent file.

3. If two notices of concern are received, the candidate is automatically referred to the Teacher Candidate Progress Review Committee by the Director of the School of Education. For candidates enrolled in pupil services certification programs (school psychology), each notice of concern will be sent to the program director. The program will work with the candidate to develop an action plan.

Automatic referral(s) to the Teacher Candidate Progress Review Committee

Automatic referrals include, but are not limited to, concerns needing immediate intervention related to the candidate’s knowledge, skills, and/or dispositions. OR concerns related to candidate GPA (cumulative, major, minor, concentrations, core).

Non-GPA-related automatic referrals

1. An issue needing immediate intervention related to the candidate’s knowledge, skills, and/or dispositions is identified, and an automatic referral form is completed. The candidate is required to schedule an appointment to review the content of the automatic referral form. A minimum of two faculty or staff members will discuss the referral with the candidate and provide him/her with a copy of the referral form. After the content of the referral form is discussed, the candidate signs the referral form acknowledging receipt.

2. The faculty or staff member submits the signed referral form to the Office of the Director of the School of Education; copies of the form are sent to the appropriate individuals and placed in the candidate’s permanent file.

3. The candidate is automatically referred to the Teacher Candidate Progress Review Committee by the Director of the School of Education and will be required to appear at the next committee meeting to address the concerns cited in the automatic referral. When the candidate meets with the committee, the concerns are reviewed, and the candidate addresses these concerns. After the candidate has met with the committee, the committee recommends further action. If the candidate fails to meet with the committee, he/she will be unable to continue in his/her program of study.

Program referral(s) to the Teacher Candidate Progress Review Committee

Faculty and staff (including clinical and student teaching personnel) who have concerns about a candidate’s knowledge, skills, and/or dispositions as described within the teacher education program standards (http://www.uwlax.edu/soe/students/wistandards.html), shall document and initiate the referral process by completing the referral form. For the purpose of facilitating the referral process, the following procedures are used:

- The faculty or staff member discusses the referral with the candidate and provides him/her with a copy of the referral form.
- The faculty or staff member delivers the referral form to the appropriate program director or department chair. The faculty involved decide if the referral form is to be sent to the Teacher Candidate Progress Review Committee or remediated within the program. The candidate is notified of the decision within two weeks regarding action or remediation plan. If the remediation plan is unacceptable to the candidate, he/she may appeal the plan to the committee.
- If so deemed, referral forms and the referred student’s academic record(s) and performance are reviewed by the committee at the next monthly meeting in which they are received.

Teacher education testing requirements

The Department of Public Instruction (DPI) is specific in its requirements about the content of both general education and professional education.
DPI requires teacher education candidates to complete both basic skills testing (Praxis I/PPST or another basic skills test) and content area testing (Praxis II). The State Superintendent of DPI determines passing scores. Therefore, prospective teacher education candidates should work closely with an advisor from the outset of their studies at the university. Completion of DPI requirements for licensure may take longer than four academic years.

**Basic skills testing options**

Entry into teacher education programs requires passing scores on one of the basic skills tests approved by the State Superintendent of DPI, selected from the following:

1. Praxis I, Pre-Professional Skills Test (PPST), scores in reading (175), mathematics (173), and writing (174) tests through August 31, 2014. Beginning September 1, 2014, the Praxis Core Academic Skills Test scores in reading (156), mathematics (150), and writing (162); **OR**
2. ACT composite score of 23 with minimum scores of 20 on English, math, and reading. Scores presented for this purpose must be dated within the five years preceding application for admission; **OR**
3. SAT composite score of 1070 with minimum scores of 450 on verbal and math. Scores presented for this purpose must be dated within the five years preceding application for admission; **OR**
4. GRE (after August 1, 2011) composite score of 298 with minimum scores of 150 on verbal and 145 on math. Scores presented for this purpose must be dated within the five years preceding application for admission.

Passing scores on one of the basic skills tests must be recorded in a student’s university record prior to applying for admission to any teacher education program.

**Additional Testing Requirements**

Prior to enrolling in the student teaching/internship semester and to be recommended for licensure by the certification officer, candidates must provide:

1. An official Praxis II Subject Assessment score report documenting passing scores on Praxis II content tests in the appropriate certification area/discipline;
2. An official Wisconsin Foundations of Reading test score report documenting passing scores (ONLY required for early childhood-middle childhood, middle childhood-early adolescence, and special education candidates);
3. An official American Council Teaching of Foreign Languages score report demonstrating oral and written proficiency with a rating of “Intermediate High” in French, German, and/or Spanish (ONLY required for French education, German education or Spanish education candidates).

**Admission to student teaching and internships**

The student teaching experience is generally completed during the final semester in residence. Students must apply for student teaching (http://www.uwlax.edu/soe/field) through the Office of Field Experience one year prior to the student teaching semester. Completed applications must be returned to the Office of Field Experience by the deadlines posted online for a fall or spring semester placement.

Candidates student teach for a full semester as calculated according to the calendar of the cooperating school. Most cooperating schools are approximately located within a 50-mile radius of La Crosse.

To be eligible for student teaching, candidates must:

1. Have and maintain 2.75 combined cumulative, major, minor, concentration, and professional sequence grade point averages
2. Meet prerequisites and all additional testing requirements (see above) for the appropriate certification area/discipline, specified for:

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDS 493</td>
<td>Student Teaching: Early Childhood-Middle Childhood/Middle Childhood-Early Adolescence</td>
</tr>
<tr>
<td>EDS 494</td>
<td>Student Teaching: Early Adolescence-Early Childhood Adolescence</td>
</tr>
<tr>
<td>SHE 494</td>
<td>Student Teaching: Early Childhood-Early Adolescence</td>
</tr>
<tr>
<td>SPE 483</td>
<td>Student Teaching Cross-Categorical Special Education: Middle Childhood-Early Adolescence</td>
</tr>
<tr>
<td>SPE 484</td>
<td>Student Teaching Cross-Categorical Special Education: Early Adolescence-Early Adolescence</td>
</tr>
</tbody>
</table>

3. Declare the major(s), minor(s), and/or concentrations for which they are seeking certification at the time of admission to student teaching.

**Internships**

To be eligible to apply, candidates must be formally admitted to teacher education and must possess and maintain, through graduation, a combined cumulative grade point average of 3.00. Interns are assigned for an entire semester to schools that are part of the Wisconsin Improvement Program. The Office of Field Experience Director with support of faculty screeners, admits students to the internship program. Internships require an application (http://www.uwlax.edu/soe/field) through the Office of Field Experience. The completed application is due by the dates posted online for placement during the fall or spring semester of the subsequent year.

**Criminal background check policy**

All teacher candidates must complete the designated criminal background checks prior to entering the schools for their first clinical field experience. This is a requirement of school placement sites, and it is the teacher candidate’s responsibility to follow the instructions and complete the process by the dates specified. Teacher candidates are responsible for all costs associated with the criminal background checks. Policies and procedures must be followed for teacher candidates to receive a placement.

Prior to student teaching, teacher candidates must complete a second designated criminal background check if more than one year has passed since their last criminal background check. Additional criminal background checks may be required for teacher candidates if the time period between criminal background checks exceeds two years. The Office of Field Experiences will record the criminal background checks conducted each semester.

**Procedures**

1. Criminal background check policies and procedures are shared with teacher candidates at clinical field experience meetings prior to registration each semester and are also available on the Office of Field Experience website.
2. The Office of Field Experience will email the clinical field experience forms and criminal background check instructions to teacher candidates registered for clinical field experiences prior to the first day of class.

3. Course instructors discuss the criminal background check process at the beginning of the course and ensure students have completed the required clinical field experience forms for the Office of Field Experience.

4. Forms must be completed by teacher candidates each semester they participate in a school observation, clinical field experience, or any other school experience. Teacher candidates must notify the Office of Field Experience of any new offenses as soon as possible.

5. The Office of Field Experience staff monitors the criminal background check process and notifies course instructors when teacher candidates have been cleared to enter the schools.

6. In the event the background check discloses criminal activity or information that the teacher candidate has failed to report, the teacher candidate may be required to meet with the Director and/or Assistant Director of Field Experiences to discuss the discrepancy. The result of this discussion may alter or terminate the teacher candidate's participation in a field experience or student teaching assignment.

Teacher certification requirements

Candidates must maintain a 2.75 combined cumulative grade point average and a 2.75 grade point average in all certifiable majors, minors, concentrations, and professional education courses. The completion of a reflective practice portfolio also is required. Official score reports documenting passing scores for all additional testing requirements (p. 399) for the appropriate certification area/discipline must be on file in the certification office, 275 Morris Hall.

Candidates who complete all university requirements and all teacher education requirements for student teaching/internship, but who fail to successfully complete the student teaching/internship experience, may be awarded a Bachelor of Science degree without certification. This degree will not earn Wisconsin Department of Public Instruction endorsement for licensure. See the academic assistant to the dean (http://www.uwlax.edu/soe/students/advisingandcertification.html) for details.

Licensing and Statutory Requirements

License application

Wisconsin: Graduates desiring a license to teach in Wisconsin may submit an application through Educator Licensing Online (ELO) (http://tepdl.dpi.wi.gov/licensing/elo). The fee for the initial educator license is $100.00. When all certification requirements are satisfactorily completed, the certification officer will upload program completer data for all candidates into ELO. After the program data has been uploaded into ELO, applicants will be able to complete the license application.

Out-of-state applicants: Graduates seeking certification in other states will obtain instructions from the Department of Education of the state in which certification is desired and submit the appropriate application materials. Candidates should be aware that license rules vary from one state to another and seek such information early in the professional preparation program. Most states require documentation of program completion (institutional endorsement) on a form specific to the state's application requirements. The signature of the teacher certification officer is accepted for institutional endorsement.

WI Statutory requirements

Environmental Education and Conservation: Demonstration of knowledge and understanding in environmental education and in the conservation of natural resources is required for licenses in early childhood-middle childhood, middle childhood-early adolescence, science (majors or minors), and social studies (majors or minors). Instruction in environmental education and conservation is required for the completion of these programs.

Cooperatives: Demonstration of knowledge and understanding of cooperative marketing and consumer cooperatives is required for licenses in social studies (majors or minors). Instruction in cooperatives is noted by the major and minor course listings in social studies disciplines.

Exceptional Education: Demonstration of knowledge and understanding of procedures used for assessing and providing education for children with disabilities, including provider roles and responsibilities and curriculum modification.

Human Relations: Demonstration of knowledge and understanding in the area of "minority group relations," under Wis. Admin. Code PI 34.15(4)(c)1-6, to be certified to teach in the State of Wisconsin.

Reading: Demonstration of knowledge and understanding of teaching reading and language arts including phonics for licensure in early childhood-middle childhood and middle childhood-early adolescence.

Conflict Resolution: Demonstration of knowledge and understanding in:

1. Resolving conflicts between pupils and between pupils and school staff;
2. Assisting pupils in learning methods of resolving conflicts between pupils and between pupils and school staff, including training in the use of peer mediation to resolve conflicts between pupils; and
3. Dealing with crises, including violent, disruptive, potentially violent, or potentially disruptive situations that may arise in school or at activities supervised by a school as a result of conflicts between pupils or between pupils and other persons.

General education requirements

Students take specific courses from general education to meet statutory requirements in the areas of human relations, environmental education and conservation, mentioned above, depending on the certification desired. General education check sheets listing required courses are available in 260 Morris Hall and on Advisement Reports (AR). The two-year transfer policy does not exempt students from these requirements.

Wis. Admin Code PI 34.15(4) (http://docs.legis.wisconsin.gov/code/admin_code/pi/34.pdf)

Admission Requirements for Specific Areas

Early childhood, elementary, and middle school certification (excepting PETE, SHE, & STEP programs)

Department of Educational Studies
240 Thomas Morris Hall; 608.785.8132
**Physical Education Teacher Education (PETE) certification**

(Early childhood-adolescence, ages birth-21 years)

Department of Exercise and Sport Science
210 Mitchell Hall; 608.785.6527

UW-La Crosse has been a state and national leader in preparing physical education teachers for decades. Our graduates, certifiable to teach kindergarten through high school, teach in all 50 states and several foreign countries. Study is broad based, with emphasis on motor skills, fitness, scientific principles, teaching strategies, and program development. The UW-L program balances traditional, individual, and fitness activities with non-traditional physical education activities such as backpacking, ropes courses, and rock climbing. This balance provides students with numerous experiences to enhance their professional development. Because of its exceptional quality, the UW System has identified this program as a Center of Excellence, a designation reserved for high quality undergraduate programs.

**Admission to physical education**

All majors in the Department of Exercise and Sport Science have admission standards and retention and advancement standards. Students are advised to become aware of the application criteria for their major and may refer to program websites for the most detailed information regarding these criteria and procedures. Meeting minimum criteria does not guarantee admission, as the department programs have competitive admission processes. Students are also required to disclose past criminal offenses (p. 398) in order to be admitted to any teacher education program.

See the exercise and sport science: physical education major (p. 333) for specific admission requirements and course work for the PETE Program.

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**School Health Education (SHE) certification**

(Early childhood-adolescence, ages birth-21 years)

Department of Health Education and Health Promotion
205 Mitchell Hall; 608.785.8162

A one-of-a-kind program in Wisconsin, the school health education major is nationally recognized for excellence in preparing certified school health education professionals. Eight faculty, all with doctorates in the field, lead students in assessing, planning, implementing, and evaluating school health education programs through classroom and field experiences. Graduates are certified to teach kindergarten through high school, prepared to coordinate school health education curricula, and experienced in developing health promotion activities for students and faculty. Courses in curriculum development, effective teaching behaviors, stress management, nutrition, physical fitness, human sexuality, alcohol and other drugs, and health promotion are offered. Graduates become professionals who assist others in developing a healthy, active lifestyle primarily within the school setting.

**Admission to school health education**

The school health education major in the Department of Health Education and Health Promotion has admission requirements and other academic policies of which students should be aware. Students may refer to program websites for the most detailed information regarding these criteria and procedures. Students are also required to disclose past criminal offenses (p. 398) in order to be admitted to any teacher education program.

See the school (p. 333) health education major (p. 351) for specific admission requirements and course work for the SHE Program.

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**Secondary Teacher Education Preparation (STEP) teacher certification**

(Early adolescence-adolescence, ages 10-21 years)

Program Coordinator: Jennifer Kosiak
College of Science and Health; 124 Graff Main Hall; 608.785.8156
College of Liberal Studies; 260 Thomas Morris Hall; 608.785.5454

The Secondary Teacher Education Preparation Program (STEP) is a university-wide School of Education (SOE) program committed to preparing knowledgeable, skillful, and professional middle and high school teachers who have the content and pedagogical knowledge to meet the needs of students in a variety of settings. STEP is a collaborative program leading to licensure in early adolescence-adolescence (EA-A) in which teacher candidates earn a bachelors degree in an appropriate content major combined with professional education coursework and multiple field experiences. At UW-L, EA-A programs leading to licensure include the following content majors of biology, chemistry, computer science, English, general science (broad field), geography, history, mathematics, physics, political science, social studies (broad field), and sociology. Several content minors are also available for EA-A licensure.

All STEP teacher education candidates must complete one or more teacher certification majors to be eligible for licensure to teach students from 10-21 years of age. In addition to a major, students may choose to complete one or more minors for additional certifications.

In addition, candidates must fulfill the requirements of the STEP education core coursework (35 total credits). Additional DPI statutory
requirements may be required. Candidates must maintain a 2.75 combined cumulative grade point average in all certifiable majors, minors, and professional education courses to be eligible for STEP admissions, retention, student teaching, and certification. A combined cumulative grade point average of 3.0 is required for an internship.

Students are also required to disclose past criminal offenses (p. 398) in order to be admitted to any teacher education program.

**College of Liberal Studies: early adolescence-adolescence (ages 10-21)**

**Certifiable Majors and Minors**

**Majors:** English, history, political science, social studies (broad field - option A or option B), sociology

**Minors:** economics, English, French, German studies, history, political science, psychology, sociology, Spanish, special education, teaching English to speakers of other languages (TESOL)

Note: For all social studies majors and minors, EFN 200 and GEO 200 are DPI statutory requirements.

**College of Science and Health: early adolescence-adolescence (ages 10-21)**

**Certifiable Majors and Minors**

**Majors:** biology, chemistry, computer science, general science (broad field - second major only), geography, mathematics, physics

**Minors:** biology, chemistry, computer science, geography, earth science, mathematics, physics, school health education

Note: For all science majors and minors, GEO 200 is a DPI statutory requirement.

**Admission to secondary teacher education preparation (STEP)**

(Early adolescence-adolescence only)

**Phase I: pre-application**

Prior to submitting an application (http://www.uwlax.edu/faculty/kosiak/SOESTEP) to STEP candidates must meet the following criteria:

1. Complete or concurrent enrollment in EFN 205 (or SOC 225 or WGS 230 or ERS 100 or equivalent), EDS 303 (or EDS 309 or equivalent), and PSY 212 (or equivalent)
2. Complete ENG 110 or ENG 112 with a grade of "C" or higher.
3. Complete a minimum of 40 earned credits (including transfer credits) with a 2.75 combined cumulative grade point average.
4. Satisfy the basic skills testing requirement (p. 399). UW-L must receive an official score report sent from ETS to the university.

**Phase II: step application**

Submit an electronic application (http://www.uwlax.edu/faculty/kosiak/SOESTEP) containing the following materials to the STEP Admission Committee by 4:30 p.m. by the fourth Monday of each semester:

1. Current resume
2. Teacher candidate recommendation references - submit the names and contact information of two professional references. The STEP Admission Committee will send the references a teacher candidate recommendation form. The form is designed to assess the candidate’s qualifications for STEP admission.
3. Unofficial transcript
4. Educational experience reflection paper based on PHASE I coursework.

**Phase III: step interview**

Approximately two weeks following submission of the online application materials, STEP candidates meeting Phase I and II criteria will be contacted via e-mail to arrange the interview portion of the application process. Meeting the minimum eligibility criteria does not guarantee an interview.

**Phase IV: step admission**

Resources available limit the number of students admitted. Not all students completing the application process are admitted to STEP. Admission decisions will be sent to students via e-mail within one month following the application deadline.

**Phase V: appeal and reapplication policy**

Students who do not meet either the minimum GPA or the basic skills testing requirement (p. 399) (but not both) may appeal Phase I. A student must submit an appeal packet at least 30 days before the application deadline to the STEP Admission Committee containing:

1. Written statement of appeal identifying the requirement being appealed, reason(s) why the requirement was not satisfied, and why the committee should approve a waiver in this case.
2. Two letters of support from faculty/staff or other professionals who can address the issue being appealed.

Students who are not admitted may appeal the admission decision by submitting a letter of appeal to the STEP Admission Committee by November 1 for fall applicants and April 1 for spring applicants. The student may be asked to meet with the STEP Admission Committee as part of the appeal process. Students will be notified of the appeal decision in a timely manner. The appeal decision is final. Students may reapply to the STEP Program at any time during their academic career at UW-L.

**STEP educational core coursework**

35 core credits required as follows:

**Courses required before admission into STEP (see Phase I in STEP admission)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EFN 205</td>
<td>Understanding Human Differences (ES)</td>
<td>3</td>
</tr>
<tr>
<td>PSY 212</td>
<td>Lifespan Development</td>
<td>3</td>
</tr>
<tr>
<td>EDS 303</td>
<td>Foundations of Public Education in the United States (Early Adolescence-Adolescence)</td>
<td>2</td>
</tr>
</tbody>
</table>

**Additional courses required for STEP**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDS 309</td>
<td>Education In a Global Society (Early Adolescence-Adolescence)</td>
<td>2</td>
</tr>
<tr>
<td>EDS 319</td>
<td>Teaching with Integrated Technology I</td>
<td>2</td>
</tr>
<tr>
<td>PSY 370</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Courses requiring admission to STEP before registration**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDS 351</td>
<td>Language, Literacy, and Culture in the Secondary Classroom</td>
<td>4</td>
</tr>
<tr>
<td>SPE 401</td>
<td>Introduction to Exceptional Individuals</td>
<td>3</td>
</tr>
<tr>
<td>EDS 492</td>
<td>Student Teaching Seminar</td>
<td>1</td>
</tr>
</tbody>
</table>
EDS 494  Student Teaching: Early Adolescence-Adolescence/Early Childhood Adolescence  3-15
or EDS 495  Teaching Internship

1 Additional coursework required for each certifiable major or minor. See content majors for more information.

Educational Studies (EDS)

Department of Educational Studies
Department Chair: Carol Angell
Email: cangell@uwlaus.edu
335B Morris Hall: 608.785.8135

Department of Educational Studies main office
335 Morris Hall: 608.785.8132

www.uwlax.edu/des

Few professions offer the challenges, satisfactions, and rewards available in a teaching career. One’s individuality and creativity are cultivated in the exciting processes of creating opportunities for learning. The joy of watching people learn, whether children, adolescents, or young adults, is a benefit of this profession. The Department of Educational Studies (DES) at UW-La Crosse, through the School of Education, offers programs that lead to licensure by the Wisconsin Department of Public Instruction.

Programs within the Department of Educational Studies

• Early Childhood-Elementary Education Program (ages birth-11) (early childhood-middle childhood certification, abbreviated EC-MC)
• Elementary-Middle Level Education Program (ages 6-12 or 13) (middle childhood-early adolescence, abbreviated MC-EA)
  • Requires completion of a minor: biology, chemistry, computer science, earth science, English, French, general science, geography, German studies, history, mathematics, physics, political science, school health education, social studies, sociology, Spanish, special education, teaching English to speakers of other languages (TESOL)
• Early Childhood-Adolescence Program (ages birth-21) (early childhood-adolescence, abbreviated EC-A)
  • Requires major in art, French1, German studies1, music (general, choral, or instrumental), Spanish1

1 Minors in French, German studies, and Spanish are certifiable at the early adolescence-adolescence developmental range only, unless another language is completed as a major. If a language major and language minor are completed, both languages may be certifiable at the early childhood-adolescence range.

Criteria for admissions

Applicants must apply and be accepted into the program prior to registration for certain education courses. Although applicants apply after 24 credits are earned, applicants can only be officially admitted to the Department of Educational Studies (DES) teacher education programs after the completion of 40 credits. Students are also required to disclose past criminal offenses (p. 398) to be admitted to any teacher education program.

Prior to submitting an application for admission to Early Childhood-Elementary Education Program (ages birth-11); Elementary-Middle Level Education Program (ages 6-13), with a certifiable minor; and EC-A: Early Childhood-Adolescence Programs (ages birth-21), with a major in art, music, French, German studies, or Spanish; teacher applicants must meet the following criteria:

1. Basic Skills Test: Applicants must have passing scores on a basic skills test (p. 399) in order to apply to a teacher education program.

2. Writing statement: Early Childhood-Elementary and Elementary-Middle Level applicants must submit a writing statement based on a prompt supplied (see DES admissions website (http://www.uwlax.edu/des/desadmissions.html) for the specific prompt) when they apply for the program.

3. Preliminary course work: Applicants seeking licensure in Early Childhood-Elementary Education and Elementary-Middle Level Education must have a minimum of 24 credits in which grade points have been earned (includes transfer credit). Applicants seeking licensure in EC-A must have a minimum of 40 credits in which grade points have been earned (includes transfer credit).

4. Combined cumulative grade point average: Early Childhood-Elementary Education and Elementary-Middle Level Education applicants must have earned a combined cumulative GPA of 3.00 in all academic work taken prior to applying for admission. EC-A applicants must have earned a combined cumulative GPA of 2.75. This includes transfer grade points averaged with residence grade points.

5. Applicants who have significant extenuating circumstances that prevent them from meeting one of the admission criteria above may provide a detailed letter documenting why they should still be considered for admission (in addition to submitting basic skills test (p. 399) scores, evidence of preliminary course work, and college transcripts). Documentation should include evidence to support the request for consideration (example: attempted number of times basic skills tests have been taken and past basic skills test scores). Applicants must also provide contact information for two references who can support their request and who can speak to their ability to be successful in the DES teacher education program.

Application procedures

Students who meet the criteria described above may obtain additional information on the application from DES. Applications are accepted during the first three weeks of the fall or spring semesters. Students who meet the criteria described above may fill out the DES admissions form (http://www.uwlax.edu/soe/students/admissions/desadmissions.html).

Applications will not be accepted after 4:00 p.m. on the Friday of the third week of the fall or spring semester. Incomplete applications will not be considered. Admission decisions will be sent to applicants via email by Friday of the eighth week of each semester. Any applicant who changes major or licensure track must reapply for admission. Reapplication will be based on current admission criteria.

Notice to potential teacher candidates:

Students should be aware that the Department of Public Instruction is specific in its requirements about the content of both general education and professional education; therefore, prospective teacher education candidates should work closely with an advisor from the outset of their studies at the university. Completion of Department of Public Instruction requirements for licensure may take longer than four academic years.
Our people

Professor
Carol Angell

Associate Professor
Ahmed Ali
Joyce Shanks
Gary Willhite

Assistant Professor
Elizabeth Bergeron
James Carlson
Wen-Chiang Chen
Ann Epstein
Judith Harrington
Yuko Iwai
Lema Kabashi
Leslie Rogers
Dawn Rouse
Matthew Thomas
Ann Yehle

Senior Lecturer
Barbara Gander

Lecturer
Daniel Green

Associate Lecturer
Elizabeth Digby-Britten
Carol Witt-Smith

Administrative Support
Lisa Armstrong
Alice Clark

Majors

- Early childhood-elementary education program (ages birth through 11) - BS (p. 405)
- Elementary-middle level education program (ages 6-12 or 13) - BS (p. 406)
- Early childhood-adolescence (EC-A) (p. 408) program (p. 408) (ages birth-21) (p. 408)

Minors

- Special education program (includes degree seeking minor and add-on certification tracks) (p. 409)
- General science minor (middle childhood-early adolescence) (p. 410)
- Social studies minor (middle childhood-early adolescence) (p. 410)

Early Childhood-Elementary Education Program (ages birth through 11) - Bachelor of Science (BS)

The primary purpose of the Early Childhood-Elementary Education Program is to advance teaching and learning while preparing teacher leaders for a global society. Our teacher preparation program, in collaboration with our public school partners, contributes to the teaching profession by producing teachers who believe that all students have the ability to achieve high standards, who adapt their teaching to reach all students, and who respect the diversity of all students. We prepare teacher candidates to become teachers who ground curriculum in the lives of students; who embrace multicultural perspectives and uphold just teaching practices; value academically rigorous curriculum; and are culturally sensitive. Our graduates are reflective practitioners who continuously improve their abilities and are responsive to best practices.

Major requirements

Admission requirements (p. 404)

Candidates completing this program earn a regular classroom teaching certification at the Early Childhood through Middle Childhood (EC-MC) developmental range (ages birth through 11). Candidates must fulfill the requirements below to be eligible to apply for licensure to teach students from birth through 11 years of age.

Required general education courses (14 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 200</td>
<td>Conservation of Global Environments</td>
</tr>
<tr>
<td>EFN 205</td>
<td>Understanding Human Differences (ES)</td>
</tr>
<tr>
<td>ERS 100</td>
<td>Introduction to Ethnic and Racial Studies (ES)</td>
</tr>
<tr>
<td>SOC 225</td>
<td>Racial and Ethnic Minorities (ES)</td>
</tr>
<tr>
<td>WGS 230</td>
<td>Women's Diversity: Race, Class, and Culture (ES)</td>
</tr>
<tr>
<td>MTH 135</td>
<td>Mathematics for Elementary Teachers I</td>
</tr>
<tr>
<td>MTH 136</td>
<td>Mathematics for Elementary Teachers II</td>
</tr>
</tbody>
</table>

Recommended general education courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 106</td>
<td>Physical Science for Educators</td>
</tr>
<tr>
<td>ART 302</td>
<td>Visual Language in the Global Classroom</td>
</tr>
<tr>
<td>MUS 317</td>
<td>Musical Classroom</td>
</tr>
<tr>
<td>POL 101</td>
<td>American National Government</td>
</tr>
<tr>
<td>or POL 102</td>
<td>State and Local Government</td>
</tr>
</tbody>
</table>

Requirements in professional education (68 credits)

Courses not requiring admission to teacher education:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE 212</td>
<td>Child Growth and Development for Early Childhood-Middle Childhood Educators</td>
</tr>
<tr>
<td>ECE 213</td>
<td>Introduction to Early Childhood Education</td>
</tr>
<tr>
<td>ECE 316</td>
<td>Early Childhood Care and Program Administration</td>
</tr>
<tr>
<td>ECE 324</td>
<td>Early Childhood Education: Curriculum and Assessment for Infant/Toddler through Preschool</td>
</tr>
</tbody>
</table>
Degree requirements

All students must complete the general education, college core (waived for teacher certification programs), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- Baccalaureate degree requirements (p. 406)

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed “Apply for Graduation” form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Elementary-Middle Level Education Program (ages 6-12 or 13) - Bachelor of Science (BS)

The primary purpose of the Elementary-Middle Level Education Program is to advance teaching and learning while preparing teacher leaders for a global society. Our teacher preparation program, in collaboration with our public school partners, contributes to the teaching profession by producing teachers who believe that all students have the ability to achieve high standards, who adapt their teaching to reach all students, and who respect the diversity of all students. We prepare teacher candidates to become teachers who ground curriculum in the lives of students; who embrace multicultural perspectives and uphold just teaching practices; value academically rigorous curriculum; and are culturally sensitive. Our graduates are reflective practitioners who continuously improve their abilities and are responsive to best practices.

Major requirements

Admission requirements (p. 404)

Candidates completing this program earn a regular classroom teaching certification at the Middle Childhood through Early Adolescence (MC-EA) developmental range (ages 6-12 or 13). Candidates must fulfill the major
requirements below and the requirements for a certifiable minor to be eligible to apply for licensure to teach students from 6-13 years of age.

Minors in biology, chemistry, computer science, earth science, English, general science, geography, history, mathematics, physics, political science, social studies, and sociology are core subject areas and do not require the completion of additional requirements for certification.

Minors in French, German Studies, school health education, Spanish, special education, and teaching English to speakers of other languages (TESOL) are not core subject areas and require the completion of additional requirements for certification. See the minor program descriptions or contact the College of Liberal Studies Academic Services Office for more information.

**Required general education courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 302</td>
<td>Visual Language in the Global Classroom</td>
<td>3</td>
</tr>
<tr>
<td>GEO 200</td>
<td>Conservation of Global Environments</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EFN 205</td>
<td>Understanding Human Differences (ES)</td>
<td>3</td>
</tr>
<tr>
<td>ERS 100</td>
<td>Introduction to Ethnic and Racial Studies (ES)</td>
<td></td>
</tr>
<tr>
<td>SOC 225</td>
<td>Racial and Ethnic Minorities (ES)</td>
<td></td>
</tr>
<tr>
<td>WGS 230</td>
<td>Women’s Diversity: Race, Class, and Culture (ES)</td>
<td></td>
</tr>
</tbody>
</table>

**HED 207** Youth Health Issues 3

**MTH 135** Mathematics for Elementary Teachers I 4

**MTH 136** Mathematics for Elementary Teachers II 4

**MUS 317** Musical Classroom 3

**POL 101** American National Government (or similar competencies) 3

or **POL 102** State and Local Government

**Recommended general education course**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 106</td>
<td>Physical Science for Educators</td>
<td>4</td>
</tr>
</tbody>
</table>

**Requirements in professional education (44 credits)**

Courses not requiring admission to teacher education:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDS 303</td>
<td>Foundations of Public Education in the United States (Early Adolescence)</td>
<td>2</td>
</tr>
<tr>
<td>EDS 308</td>
<td>Foundations of Literacy</td>
<td>3</td>
</tr>
<tr>
<td>EDS 309</td>
<td>Education In a Global Society (Early Adolescence)</td>
<td>2</td>
</tr>
<tr>
<td>EDS 311</td>
<td>Curriculum and Pedagogy for Early Childhood-Middle Childhood/Middle Childhood-Early Adolescence</td>
<td>3</td>
</tr>
</tbody>
</table>

**EDS 319** Teaching with Integrated Technology I 2

**PSY 212** Lifespan Development 3

**PSY 370** Educational Psychology 3

Courses requiring admission to teacher education:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDS 402</td>
<td>Field Experience I-Early Childhood-Middle Childhood/Middle Childhood-Early Adolescence</td>
<td>2</td>
</tr>
<tr>
<td>EDS 412</td>
<td>Teaching Reading and Literacy 1</td>
<td>5</td>
</tr>
<tr>
<td>EDS 413</td>
<td>Teaching Social Studies: Early Childhood-Middle Childhood/Middle Childhood-Early Adolescence</td>
<td>3</td>
</tr>
<tr>
<td>EDS 421</td>
<td>Teaching General Science Methods-Early Childhood-Middle Childhood/Middle Childhood-Early Adolescence</td>
<td>3</td>
</tr>
<tr>
<td>EDS 422</td>
<td>Teaching Mathematics Methods-Early Childhood-Middle Childhood-Early Adolescence 2</td>
<td>2</td>
</tr>
<tr>
<td>EDS 445</td>
<td>Field Experience II - Early Childhood-Middle Childhood/Middle Childhood-Early Adolescence</td>
<td>2</td>
</tr>
<tr>
<td>EDS 452</td>
<td>Teaching in Schools</td>
<td>3</td>
</tr>
<tr>
<td>EDS 463</td>
<td>Designing Instruction and Ongoing Assessment for Diverse Learners</td>
<td>3</td>
</tr>
<tr>
<td>SPE 401</td>
<td>Introduction to Exceptional Individuals</td>
<td>3</td>
</tr>
</tbody>
</table>

**Student Teaching (12 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDS 492</td>
<td>Student Teaching Seminar</td>
<td>1</td>
</tr>
<tr>
<td>EDS 493</td>
<td>Student Teaching: Early Childhood-Middle Childhood/Middle Childhood-Early Adolescence</td>
<td>11</td>
</tr>
<tr>
<td>or EDS 495</td>
<td>Teaching Internship</td>
<td></td>
</tr>
</tbody>
</table>

1 taken concurrently

2 taken concurrently

**Degree requirements**

All students must complete the general education, college core (waived for teacher certification programs), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- Baccalaureate degree requirements (p. 407)

**Baccalaureate degrees**

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA. At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter intersession graduates should file by May 1. May and summer graduates should file by December 1.

1 Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.
No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Early Childhood through Adolescence (EC-A) (ages birth-21) Program

The primary purpose of the Early Childhood-Adolescence (EC-A) Program is to advance teaching and learning while preparing teacher leaders for a global society. Our teacher preparation program, in collaboration with our public school partners, contributes to the teaching profession by producing teachers who believe that all students have the ability to achieve high standards, who adapt their teaching to reach all students, and who respect the diversity of all students. We prepare teacher candidates to become teachers who ground curriculum in the lives of students; who embrace multicultural perspectives and uphold just teaching practices; value academically rigorous curriculum; and are culturally sensitive. Our graduates are reflective practitioners who continuously improve their abilities and are responsive to best practices.

Certifiable majors include: art, French\(^1\), German studies\(^1\), music-general, music-choral, music-instrumental, and Spanish\(^1\).

Minors in French, German studies, and Spanish are certifiable at the early adolescence – adolescence developmental range only, unless another language is completed as a major. If a language major and language minor are completed, both languages may be certifiable at the early childhood – adolescence range.

Major requirements

Admission requirements (p. 404)

Candidates must fulfill the requirements below and one or more certifiable majors to be eligible for licensure to teach students from birth to 21 years of age. In addition to the major, students may choose to complete one or more minors to obtain further certifications.

Certifiable majors include: art, French\(^1\), German studies\(^1\), music-general, music-choral, music-instrumental, and Spanish\(^1\).

Minors in French, German studies, and Spanish are certifiable at the early adolescence – adolescence developmental range only, unless another language is completed as a major. If a language major and language minor are completed, both languages may be certifiable at the early childhood – adolescence range.

Additional requirements can be found through the School of Education (p. 397) and may require official admission to teacher education.

Degree requirements

All students must complete the general education, college core (waived for teacher certification programs), major/minor, and university degree requirements in order to qualify for a degree. The easiest way to track all of these requirements is to refer to the Advisement Report (AR) found in the Student Information System (WINGS) Student Center. All enrolled students have access to the AR.

- General education (p. 50)
- Baccalaureate degree requirements (p. 408)

Baccalaureate degrees

Candidates for the Bachelor of Arts or the Bachelor of Science degrees must accomplish the following:

1. Fulfill the general education requirements.
2. Complete at least one ethnic studies (diversity) course.
3. Complete the courses prescribed by the Undergraduate Curriculum Committee for the degree desired in the respective school or college. (No substitutions for graduation may be made in course requirements for a major or minor after the fourth week of the last semester of the senior year.)
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA.\(^1\) At least 40 credits must be earned in 300/400 (senior college) level courses. Courses earned at the 100/200 level that transferred to UW-L as 300/400 level courses do not apply to this requirement nor do courses from two-year schools.
5. Complete major and minor requirements with at least a 2.00 GPA\(^1\) in each major and minor (and concentration or emphasis, if selected).
6. A minimum of 30 semester credits in residence at UW-L is required for graduation. (See undergraduate resident requirement (p. 32).)
7. File a completed "Apply for Graduation" form via the WINGS Student Center as soon as the student has registered for his or her final semester or summer term in residence. December and winter
intersession graduates should file by May 1. May and summer graduates should file by December 1.

Grade point average requirements for some programs will be considerably higher than 2.00. Re-entering students may be required to earn credits in excess of the 120 needed for graduation in any curriculum in order to replace credits earned in courses in which the content has changed substantially in recent years. Each case will be judged on its own merit.

No degree will be awarded unless all requirements are fulfilled and recorded within 30 days after the official ending date of each term.

Special Education Program

The Special Education Program prepares teacher education candidates to earn a Cross-Categorical Special Education Certification (#801). Teacher candidates choose an emphasis area within the fields of Cognitive Disabilities (CD), Emotional Behavior Disorders (EBD), or Specific Learning Disabilities (SLD). Certification courses generally follow a fall-only or spring-only course delivery model at the undergraduate level. Candidates may choose between two developmental ranges: middle childhood-early adolescence (MC-EA) (ages 6-13 years) or early adolescence-adolescence (EA-A) (ages 11-21 years). Early childhood-adolescence (EC-A) candidates may choose to complete the special education certification at the EA-A developmental range. All candidates must apply for admission to the Special Education Program separately from other teacher education programs.

The Special Education Program is comprised of the following program tracks:

1. Undergraduate degree-seeking certification minor
2. Undergraduate non-degree-seeking (add-on) certification sequence

Note: Federal financial aid is not available for students pursuing an add-on teaching certification. Private educational loan opportunities are also limited for non-degree seeking students.

Minor requirements

The Special Education Program has two tracks for which candidates may seek admission at the undergraduate level:

- Degree-seeking minor
- Non-degree-seeking add-on certification.

The special education minor track is for undergraduate degree-seeking candidates completing a traditional undergraduate major and minor course sequence. The non-degree-seeking add-on track is for candidates who have already completed an undergraduate degree in education and hold or are eligible to hold a Wisconsin teaching license.

1 Please choose the appropriate program track when applying for admission, as applying for the wrong track may cause a delay in your admission.

Admission

Degree seeking:

Degree seeking teacher education candidates that desire to earn cross-categorical special education certification must complete a separate admission for the Special Education Program. Candidates must complete admission to a teacher education program major prior to or in the same semester as applying to the Special Education Program. Admission to a Department of Educational Studies major program (Elementary-Middle Level Education Program or Early Childhood-Adolescence Program) or Secondary Teacher Education Program (STEP) major program (Early Adolescence-Adolescence) does not guarantee admission into the Special Education Program. A candidate must be admitted to a teacher education major program in order to be admitted to the degree-seeking minor.

Special Education Program applications are accepted one time each semester. All application materials [http://www.uwlax.edu/des/Special%20Education%20Program%20Overview.html] are electronic and are due by 4:30 pm on the Friday of the third week each fall and spring semester.

Non-degree seeking add-on:

Non-degree seeking teacher education candidates that desire to earn a cross-categorical special education add-on certification must apply to the Special Education Program. All application materials must be submitted to the Special Education Program Director for admission consideration.

Special Education Program applications [http://www.uwlax.edu/des/Special%20Education%20Program%20Overview.html] are electronic and accepted on a rolling admission basis.

Curriculum

(37 credits for either special education tracks mentioned above)

All core courses are required for each certification option.

Core courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDS 308</td>
<td>Foundations of Literacy</td>
<td>3</td>
</tr>
<tr>
<td>SPE 401</td>
<td>Introduction to Exceptional Individuals</td>
<td>3</td>
</tr>
<tr>
<td>SPE 424</td>
<td>Classroom Management and Positive Behavior Practices</td>
<td>3</td>
</tr>
<tr>
<td>EDS 463</td>
<td>Designing Instruction and Ongoing Assessment for Diverse Learners</td>
<td>3</td>
</tr>
<tr>
<td>SPE 431</td>
<td>Language Development and Communication Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SPE 440</td>
<td>Collaboration and Transition: From School to Community</td>
<td>3</td>
</tr>
<tr>
<td>SPE 452</td>
<td>Individual Educational Assessment</td>
<td>3</td>
</tr>
<tr>
<td>SPE 461</td>
<td>Clinical in Special Education</td>
<td>1</td>
</tr>
<tr>
<td>SPE 401</td>
<td>Seminar in Special Education</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Credits 37

Option 1: Middle childhood-early adolescence (MC-EA)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPE 446</td>
<td>Methods in Cross-Categorical Special Education-Middle Childhood/Early Adolescence</td>
<td>3</td>
</tr>
<tr>
<td>SPE 483</td>
<td>Student Teaching Cross-Categorical Special Education: Middle Childhood-Early Adolescence</td>
<td>11</td>
</tr>
<tr>
<td>SPE 430</td>
<td>Seminar in Special Education</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Credits 15

Option 2: Early adolescence-adolescence (EAA)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPE 447</td>
<td>Methods in Cross-Categorical Special Education-Early Adolescence/Adolescence</td>
<td>3</td>
</tr>
<tr>
<td>SPE 484</td>
<td>Student Teaching Cross-Categorical Special Education: Early Adolescence-Adolescence</td>
<td>11</td>
</tr>
<tr>
<td>SPE 430</td>
<td>Seminar in Special Education</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Credits 15
All certification coursework must be completed prior to the professional practice semester. Candidates must also pass the Middle School Content test (Praxis II #0146 or #5146), the Wisconsin Foundations of Reading test, complete self-report criminal background check documents, complete the pre-student teaching portfolio prior to student teaching, and the post-student teaching electronic portfolio benchmark requirement.

Degree-seeking candidates must have a combined cumulative grade point average (CGPA) of at least 2.75 in order to enroll in the student teaching semester.

Non-degree-seeking candidates must have a 2.75 GPA in the special education coursework in order to enroll in the student teaching semester.

General Science Minor (Middle Childhood-Early Adolescence)

The general science minor provides teacher candidates with a broad exposure and study of the fields associated science education. Candidates take courses from a variety of departments to investigate areas including biology, chemistry, earth science, and physics. Candidates also investigate what it means to be a leader in elementary and middle level science education.

Minor requirements

(Middle childhood-early adolescence)

22-23 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 100</td>
<td>Contemporary Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>or CHM 103</td>
<td>General Chemistry I</td>
<td></td>
</tr>
<tr>
<td>CI 461</td>
<td>Leadership for Elementary/Middle Science Education</td>
<td>3</td>
</tr>
<tr>
<td>PHY 106</td>
<td>Physical Science for Educators</td>
<td>4</td>
</tr>
<tr>
<td>or PHY 103</td>
<td>Fundamental Physics I</td>
<td></td>
</tr>
<tr>
<td>PHY/AST 155</td>
<td>Solar System Astronomy</td>
<td>4</td>
</tr>
</tbody>
</table>

Recommended electives: 

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY/AST 160</td>
<td>Stars, Galaxies and the Universe</td>
<td></td>
</tr>
<tr>
<td>BIO 203</td>
<td>Organismal Biology</td>
<td></td>
</tr>
<tr>
<td>BIO 204</td>
<td>Plant Biology</td>
<td></td>
</tr>
<tr>
<td>BIO 210</td>
<td>Animal Biology</td>
<td></td>
</tr>
<tr>
<td>CHM 103</td>
<td>General Chemistry I (if not completed as part of core requirements)</td>
<td></td>
</tr>
<tr>
<td>CHM 104</td>
<td>General Chemistry II</td>
<td></td>
</tr>
<tr>
<td>ESC 221</td>
<td>Introduction to Climate Systems</td>
<td></td>
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<tr>
<td>ESC 222</td>
<td>Landforms: Processes and Regions</td>
<td></td>
</tr>
<tr>
<td>PHY 103</td>
<td>Fundamental Physics I (if not completed as part of core requirements)</td>
<td></td>
</tr>
<tr>
<td>or PHY 104</td>
<td>Fundamental Physics II</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 22-23

Social Studies Minor (Middle Childhood-Early Adolescence)

The social studies minor provides teacher candidates with a broad exposure and study of the fields broadly associated social studies. Candidates take courses from a variety of departments to investigate areas including archeology, economics, history, geography, political science, and sociology. Candidates also investigate local cooperatives and how they operate.

Minor requirements

(Middle childhood-early adolescence)

25 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 210</td>
<td>Survey of United States History</td>
<td>3</td>
</tr>
<tr>
<td>HIS 321</td>
<td>Wisconsin History</td>
<td>3</td>
</tr>
<tr>
<td>GEO 110</td>
<td>World Cultural Regions</td>
<td></td>
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<tr>
<td>or GEO 201</td>
<td>Geography of United States and Canada</td>
<td></td>
</tr>
<tr>
<td>ARC 100</td>
<td>Archaeology: Discovering Our Past</td>
<td>3</td>
</tr>
<tr>
<td>SOC 202</td>
<td>Contemporary Global Issues</td>
<td>3</td>
</tr>
<tr>
<td>POL 101</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>POL 102</td>
<td>State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>ECO 110</td>
<td>Microeconomics and Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>EFN 200</td>
<td>Cooperatives</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Credits 25

1 BIO 103 or BIO 105 and ESC 101 do not count toward the 22-23 credits required for the minor.
Course descriptions

Accountancy (ACC)

Courses

ACC 221 Cr.3
Accounting Principles I
An introduction to accounting as an information system. Emphasis is on reporting to external constituencies: investors, creditors, and governmental agencies. Topics include recording economic activities of the firm and the resultant financial reports, federal income taxation, and time value of money. Prerequisite: Students must have successfully completed a minimum of 12 credit hours. Offered Fall, Winter, Spring, Summer.

ACC 222 Cr.3
Accounting Principles II
Emphasis is on reporting to internal constituencies: managers in all functional areas of the firm. An introduction to accounting principles used to prepare internal financial reports used for management decision-making. Topics include cost determination and flow, cost-volume-profit analysis, absorption and variable costing, capital budgeting, and cash flow analysis. Prerequisite: ACC 221 completed with a grade of ‘C’ or better. Offered Fall, Winter, Spring, Summer.

ACC 235 Cr.3
Survey of Accounting
Basic accounting principles and procedures: the accounting equation, analysis of transactions and accounting cycle. Introduction to financial, managerial and tax accounting concepts and procedures for non-profits and governmental entities. Prerequisite: Students must have successfully completed a minimum of 12 credit hours. Not open to students in the College of Business Administration. Offered Occasionally.

ACC 301 Cr.3
Taxation for Non-Accountants
An introduction to the basic concepts of many types of taxes affecting the individual with primary emphasis placed on federal income tax. Selected other taxes studied include property taxes, sales taxes, payroll taxes, gift and estate taxes. Prerequisite: admission to business. Not open for credit for accountancy majors. Offered Fall.

ACC 321 Cr.4
Intermediate Accounting I
Designed for students planning on considering an accounting major or minor. The course involves the intensive study of both theory and practice, as they relate to the preparation and analysis of the balance sheet, income statement, retained earnings statement, and cash flow statement. Topics include but are not limited to, current assets, fixed assets, intangible assets, current liabilities, and long-term liabilities. Prerequisite: ACC 221. Offered Fall, Spring.

ACC 322 Cr.3
Intermediate Accounting II
An extension of the theory and application of accounting principles involved in the financial analysis of assets, liabilities and owners equity of the accounting entity. Problem areas in accounting and financial reporting are emphasized. Prerequisite: ACC 321; admission to business. Offered Fall, Spring.

ACC 325 Cr.3
Cost Accounting
A specific study of job order and process cost systems used in the costing of a product, integrated with the use of standard and estimated cost concepts in the operation of these systems. The relationship of budgeting to profit planning and business control. Prerequisite: ACC 222, MTH 145; admission to business. Offered Fall, Spring.

ACC 327 Cr.3
Accounting Information Systems
Procedures and problems in system design applied to the financial operations of a business and the role of the computer in processing financial information. Topics covered are responsibility accounting systems, inventory systems, sales analysis systems, and internal control. Prerequisite: ACC 321; IS 220; admission to business or information systems minor plan. Offered Fall, Spring.

ACC 330 Cr.3
Individual Income Taxation
The course examines tax principles and procedures that form a basis and foundation for the determination and computation of federal income tax liability for individual taxpayers. Prerequisite: ACC 321; admission to business. Offered Fall, Spring.

ACC 350 Cr.2
Income Tax Practicum
Field instruction and practical experience in federal and state income tax preparation. Repeateable for credit - maximum 4. Prerequisite: minimum grade of ‘B’ in either ACC 301 or ACC 330; admission to business. Pass/Fail grading. Offered Spring.

ACC 400/500 Cr.1-3
Accountancy Forum
Emphasis will be on examination and study of current accountancy issues. Topics will vary from semester to semester. Repeatable for credit — maximum 6. Prerequisite: admission to business; junior standing. Consent of department. Offered Occasionally.

ACC 418/518 Cr.3
Business Law for Accountants
The study of law as it relates to the professional accountant’s need for an understanding of the legal environment. Among topics included are accountant’s legal responsibility, federal security regulation, antitrust laws, employer-employee relationship, bankruptcy, forms of business organization, estates and trusts, commercial paper, contracts and insurance. Prerequisite: BUS 205; senior standing; accountancy major plan; admission to business. Offered Fall, Spring.

ACC 421/521 Cr.3
Advanced Accounting
Theory and principles of accounting as they relate to the environment of financial reporting and the definition of the reporting entity. Complex business combinations are considered under the purchase and pooling-of-interests methods of reporting for mergers, consolidations, and parent-subsidiary relationships. Reporting for advanced partnership problems, fiduciary responsibilities, and governmental and not-for-profit organizations in consideration of the legal nature of each entity and its particular financial reporting environment. Prerequisite: ACC 322; junior standing; admission to business. Offered Fall, Summer.
ACC 422 Cr.3
International Financial Reporting Standards (IFRS)
The US CPA examining board’s specifications include International Financial Reporting Standards (IFRS) coverage. IFRS has become a globally recognized basis for financial accounting and reporting. IFRS is now the primary or alternate basis of financial accounting and reporting in more than 100 countries. This course provides students with exposure to nearly all IFRS. This challenging course includes topics from ACC 321, ACC 322 and ACC 421 in addition to IFRS topics not addressed in those courses. While this course is not intended to be a comparison to US Generally Accepted Accounting Principles (GAAP) certain of the IFRS will be addressed in the context of US GAAP to demonstrate how the two bases are similar and how the two bases differ. Prerequisite: ACC 421 or concurrent enrollment. Offered Fall.

ACC 430/530 Cr.3
Taxation II
A study of advanced tax law affecting individuals and businesses. This course will include advanced tax planning and research. Prerequisite: ACC 330; junior standing; admission to business. Offered Fall, Spring.

ACC 435/535 Cr.3
Governmental and Institutional Accounting
A study of accounting techniques as applied to the accounting systems of a governmental unit: federal, state and local or political subdivisions and public institutions such as schools, hospitals and other not-for-profit institutions. Emphasis is placed on fund accounting as distinguished from profit-motive accounting. Prerequisite: ACC 322 or equivalent as determined by accounting department chair and class instructor; junior standing; admission to business. Offered Occasionally.

ACC 438/538 Cr.3
Principles of Auditing
Introduces the student to auditing, attestation, and assurance services. Topics include: client acceptance, audit planning, client internal control systems, audit risk, materiality, audit evidence, audit sampling, audit documentation, engagement quality control, professional ethics, legal liability, and the audit, attestation or assurance report issues by the auditor. The sources of authoritative standards and interpretations addressed in the course include: Audit Standards issued by the Public Company Accounting Oversight Board applied to clients that are required to report to the United States Securities and Exchange Commission, Statements on Auditing Standards for all other clients, and the Code of Professional Conduct issued by the American Institute of Certified Public Accountants. Prerequisite: MTH 145, ACC 322, ACC 327; junior standing; admission to business. Offered Fall, Spring.

ACC 450 Cr.1-6
College of Business Administration Internship
The internship program as conceived and implemented is an unusual program designed to provide an opportunity for students in the College of Business Administration at the University of Wisconsin-La Crosse to participate in an approved program with a cooperating business, governmental or civic organization for usually 15 weeks of their undergraduate work. Zero to six credits of ACC 450 is applicable to the accountancy major. For additional information, see internship description under the College of Business Administration heading. Repeatable for credit. Prerequisite: cumulative GPA of at least 2.50; ACC 221, ACC 222; BUS 205, BUS 230; ECO 110, ECO 120; FIN 355; IS 220; MGT 308; MKT 309; admission to business. Pass/Fail grading. Offered Fall, Winter, Spring, Summer.

ACC 499 Cr.1-3
Independent Study
Individual readings or research under the guidance of a staff member. Open to selected advanced students who have excellent records in the department. Repeatable for credit — maximum 6. Prerequisite: admission to business. Consent of instructor. Pass/Fail grading. Offered Fall, Winter, Spring, Summer.

Anthropology (ANT)

Courses

+ANT 101 Cr.3
Human Nature/Human Culture
This course provides an overview of the four subfields of anthropology: physical anthropology, archaeology, cultural anthropology, and linguistic anthropology. The course will focus on how anthropologists seek to understand what it means to be human by examining how people are biologically, culturally, and socially similar and different around the world. We will cover multiple aspects of the human experience, including human evolution and biological diversity, primates and hominids, domestication and subsistence practices, marriage systems, sex and gender norms, religious beliefs, and linguistic diversity. Offered Annually.

+ANT 102 Cr.4
Introduction to Physical Anthropology
This course introduces the basic fields of physical anthropology: population genetics, human osteology, primatology, pale anthropology, and forensics. The class provides a substantive framework for learning about the biological diversity of the human species through scientific inquiry. The foundations of evolutionary theory and the fossil evidence for human evolution are also presented. Lect. 3, Lab. 2. Offered Annually.

ANT 195 Cr.3
Introduction to Cultural Anthropology
This course examines the behavior and customs of people throughout the world. Students will gain a better understanding of the variation of human thought and behavior and how anthropologists analyze the vast range of cultural differences. We will describe the patterns of marriage, family organization, gender and sexuality, political behavior, economic systems, subsistence patterns, religion and ritual, etc. of societies all over the world. We will also examine some of the global issues that societies contend with, such as development, transnational migration, and the economic and political ramifications of colonization. Prerequisite: declared anthropology minor plan. Offered Annually.

ANT 196 Cr.3
Introduction to Linguistic Anthropology
This course is an introduction to linguistic anthropology. Language is central to enculturation, whether it comes in the form of speech, writing, gesture, or style. We will start with a four-field perspective, examining the origins of human communication, early writing systems, cultural differences in language socialization, and how people use language now. From there, we will focus on the role language plays in people’s social lives. Topics include gesture, literacy and global media, linguistic variation, language and identity, multilingualism, and language change and loss. Offered Annually.
ANT/ARC 215 Cr.3
Refugees, Displaced Persons & Transnational Communities
This course explores the lives of refugees, displaced persons and the emergence of transnational communities. Emphasis is placed on the causes of refugee movements; policies and practices concerning the status and rights of refugees; and asylum and resettlement in other countries. A comparative approach is used to draw attention to how people cope with displacement and transnational migration and establish new roots in the country of resettlement. Prerequisite: ANT 101 or ANT/SOC 202 or ARC 100 or SOC 110 or SOC 120. Offered Fall, Spring.

ANT 250 Cr.3
Women and Society
A comparative and evolutionary analysis of the development of sex roles in human society, concentrating on the experience of females. Considers sexual dimorphism; symbolic background of gender; relationships between techno-economy, social structure, political organization and women’s roles; personality and sex roles; and the experience of women in America. Offered Occasionally.

ANT 266 Cr.3
Anthropology of Food
Cross-cultural practices and beliefs about the production, consumption, and distribution of food vary widely. This course examines food in a historical, social, and cultural context, focusing on the topics such as subsistence patterns and cultural patterns of food preparation and consumption; contemporary diets and the increasing prevalence of obesity, diabetes, and heart disease; cultural practices that restrict food intake or dictate food taboos; the globalization and ‘McDonaldization’ of food; and others. The goal of the course is to provide students with theoretical and methodological tools to analyze food as a symbolic, political, and cultural artifact in today’s world. Prerequisite: ANT 101 or SOC 110 or SOC 120 or ANT/SOC 202. Offered Occasionally.

ANT 290 Cr.3
Andean Anthropology
This course focuses on peoples and cultures of the South American Andean region. Students will examine the various cultural beliefs and practices detailed in the ethnographic record of Andean peoples, such as the impacts and influence of colonialism on the present; religion and rituals; race, ethnicity, and gender; contemporary social movements; globalization and patterns of migration; and, media portrayals of the region. Prerequisite: ANT 101 or SOC 110 or SOC 120 or ANT/SOC 202. Offered Occasionally.

ANT/ARC 304 Cr.3
Hunter and Gatherer Societies
This course focuses on recent human societies throughout the world that have lived by hunting and gathering wild resources. The specific subsistence strategies of a wide range of hunter-gatherer groups are examined relative to their technology, social structure, territory, demography and interaction with food producers. The conclusion of this course will consider hunter-gatherers in prehistory. Prerequisite: ANT 101 or ARC 195; junior standing. (Cross-listed with ANT/ARC; may only earn credit in one department.) Offered Occasionally.

ANT/ARC 305 Cr.3
Indigenous Agricultural Societies: Past & Present
This course examines the origins, structure, social organization, and operation of indigenous agricultural societies. A central focus of the course is an inquiry based, sequential examination of geographically related couplets involving (1) contemporary indigenous agricultural tribal societies and (2) archaeological excavation reports. The utility of the ethnographic record as a guide to interpretation of the archaeological record is evaluated. Prerequisite: ANT 101 or ARC 195. (Cross-listed with ANT/ARC; may only earn credit in one department.) Offered Occasionally.

ANT/SOC 307 Cr.3
International Development and Culture Change
This course provides students with an overview of socio-cultural theories of international development and culture change. The course examines the cultural construction of ‘development’ as a product of the colonial era, the Cold War, and what has been called the neoliberal global economy. The goal of the course is to provide students with a comprehensive study of the strengths and limitations of contemporary development theory and method in anthropology and sociology, including such topics as conservation and the environment, indigenous peoples, gender and development, and the role of social movements and non-governmental organizations in the developmental process. Prerequisite: ANT 101 or ANT/SOC 202 or SOC 110 or SOC 120. (Cross-listed with ANT/SOC; may only earn credit in one department.) Offered Occasionally.

ANT/HIS 312 Cr.3
Peoples and Cultures of Eastern Europe and the Former Soviet Union
This is a survey course that explores how people in Eastern Europe and the former Soviet Union have experienced the transition from socialism to postsocialism and beyond. Within the framework of cultural anthropology, we will examine the major concerns of postsocialism - including how people understand the role of the government, what is means to be a citizen, and how they view themselves as members of communities - in order to gain a better understanding of how people experience, manage, and challenge the broad changes that have occurred in the political, economic, and social systems. More importantly, we will focus on how people have redefined what they value in life, what it means to be a “good” person, and what it means to be “postsocialist” in light of these changes. (Cross-listed with ANT/HIS; may only earn credit in one department.) Offered Occasionally.

ANT 320 Cr.3
Rites, Rituals and Ceremonies
This course examines the roles of rituals in family, community and national life. It introduces students to a variety of ritual traditions and symbolic practices from around the world. In the process, students will learn about the different approaches to studying, analyzing and interpreting the significance of rituals. Prerequisite: ANT 101 or SOC 110 or SOC 120 or ANT/SOC 202. Offered Fall, Spring.
ANT 321 Cr.3

**Images, Visual Culture and Anthropology**

This course engages students in the practices of looking and encourages them to read into the meanings behind images. By combining movies, still photography, advertisements and illustrated magazines with class readings, discussions and assignments, students will learn to see the complex roles images play in modern society; how non-Western people have historically been represented in popular culture; and how experiences of the visual are informed as well as complicated by social, cultural and political histories. Prerequisite: ANT 101 or ANT/SOC 202 or ARC 100 or SOC 110 or SOC 120. Offered Every Third Semester.

ANT 323 Cr.3

**Anthropology of Youth and Adolescence**

This course provides an overview of the anthropology of youth and adolescence, emphasizing how these concepts both vary and are similarly-shaped cross-culturally. Starting with the idea that categories of youth are flexible and achieved through everyday practice, we will examine topics such as socialization, development, rites of passage, adult perspectives of the adolescent experience, subcultures, and youth engagement with globalization and technology. In our discussions, we will also consider how adolescents are active agents in shaping the world around them and conversely, how they are shaped by their worlds. Prerequisite: ANT 101 or ANT 195 or ANT/SOC 202 or SOC 110 or SOC 120. Offered Occasionally.

ANT/ARC 330 Cr.3

**Pastoralism: Past and Present**

Mobile pastoralism is a way of life centered on the management and herding of livestock. It has had a powerful impact on social and environmental landscapes since originating independently in various forms throughout the world, and tens of millions of people throughout the world still rely on cattle and other domesticated animals for survival today. This course will explore the archaeology and anthropology of pastoralist societies, focusing on the ecological, political, and cultural strategies that made pastoralism dynamic and sustainable throughout prehistory and into the current era. (Cross-listed with ARC/ANT, may only earn credit in one department.) Offered Occasionally.

ANT 343 Cr.3

**North American Indians**

This course concentrates on the Native peoples of North America (north of Mexico) immediately following the arrival of Europeans. The cultural patterns of representative groups will be studied intensively in each major region of North America. The region-by-region survey will be preceded by a brief discussion of the place of origin and time of arrival of the first people in the New World. This course will not be considering contemporary Native American issues. Prerequisite: ARC 200 recommended. Offered Occasionally.

ANT/ARC 346 Cr.3

**Ethnoarchaeology and Experimental Archaeology**

Archaeology isn’t only about excavations: Since the 1960’s, archaeologists have also examined aspects of life in the present as a way to better interpret material culture found at ancient sites. Ethnoarchaeology uses ethnographic field methods among modern peoples to develop informed hypotheses about life in the past. Experimental archaeology uses controlled scientific experiments to develop models about past behaviors including tool use, pottery production, etc. This course will cover both of these “middle-range” approaches, and will require participation in hands-on ethnoarchaeological and experimental class projects. Prerequisite: ARC 100 or ARC 195 or ARC 200 or ANT 101 or ANT 195 or ANT/SOC 202. (Cross-listed with ANT/ARC; may only earn credit in one department.) Offered Occasionally.

ANT 351 Cr.3

**Peoples and Cultures of Southeast Asia**

Southeast Asia is a region of immense diversity with a long history of cultural mixing and blending. This class is a journey across this vast landscape to learn about the stories behind its ongoing histories, the dynamic influences on its changing cultures, and the vibrant lives of its peoples. Issues that matter to the everyday life of Southeast Asians are explored in relationship to national, regional and global trends. Prerequisite: ANT 195 or SOC 110 or SOC 120 or ANT/SOC 202. Offered Occasionally.

ANT/ARC/HIS 353 Cr.3

**Maya Civilization**

The course presents an overview of the Maya culture located in southern Mexico and Central America. The class is organized chronologically into several sections that focus on the origins, adaptations to various environments, social, political, and religious organizations, and the belief systems of the Maya beginning at around 3000 BC. Emphasis will be on Prehispanic Maya; will also explore life ways of contemporary Maya people. (Cross-listed with ARC/ANT/HIS, may only earn credit in one department.) Offered Summer.

ANT/SOC 354 Cr.3

**Peoples and Cultures of Latin America**

This course is designed to give students an anthropological perspective on contemporary peoples living in Central and South America, the Spanish-speaking Caribbean, and Mexico. The course provides an overview of Latin American pre-histories, analyzing how the past influences present-day societies. The course then examines particular cultural aspects of the region, such as religion and ideologies, race, ethnicity, and gender, popular culture and the media, culture change, and social movements. Discussions throughout the course will also focus on the Latin American diaspora and how Latin American cultures are shaping, and shaped by, other cultures around the globe. Prerequisite: ANT 101 or ANT/SOC 202 or SOC 110 or SOC 120. (Cross-listed with ANT/SOC, may only earn credit in one department.) Offered Occasionally.

ANT/ARC 357 Cr.3

**Peoples and Cultures of Africa**

An anthropological introduction to the peoples and cultures of sub-Saharan Africa. Through classic and contemporary ethnography, as well as literature and film, this course will examine the history, diversity, and richness of African civilizations from pre-colonial times to the present. Throughout the course we will examine and challenge Western narratives about Africa and Africans, and take a critical approach to understanding current social, political, and economic issues facing African peoples. (Cross-listed with ANT/ARC; may only earn credit in one department.) Offered Occasionally.

ANT/SOC 360 Cr.3

**Catastrophes and Human Societies**

An analysis of cultural impact of catastrophic events in human societies - natural and human-engineered disasters. Various dramatic upheavals will be explored across time and cultures as the class examines human and environmental traumas to which societies must adapt, the cultural interpretations/response which follow, and the manner in which major disasters have redefined and redirected the character and probable future history of each damaged, even endangered society. Study cases will include volcanic and weather cataclysms, plagues and associated population crashes, environmental catastrophes, as well as war, terrorism, and bio-terrorism. Prerequisite: SOC 110 or SOC 120 or SOC 200 or ANT 101. (Cross-listed with ANT/SOC; may only earn credit in one department.) Offered Occasionally.
ANT/ERS/SOC 362 Cr.3
Hmong Americans
This is an introductory course to Hmong American history, culture, and contemporary life. The course reviews Hmong history within the context of U.S. foreign policy in Southeast Asia from 1945 to 1975 and examines the sociocultural transformations that have been taking place in Hmong American communities across the U.S. since 1976. Prerequisite: ANT 101 or ANT 195 or SOC/ANT 202 or ARC 100 or SOC 110 or SOC 120. (Cross-listed with ANT/ERS/SOC; may only earn credit in one department.) Offered Occasionally.

ANT 370 Cr.3
Medical Anthropology
Using international examples, this course provides an overview of concepts and theories in medical anthropology and examines how an individual’s interactions with the social and physical environment influence the experience of health and illness. The course focuses on medical anthropology as a subfield of anthropology, discussing specific global health issues such as cultural beliefs and practices of health and healing; complementary and alternative medicine in the U.S.; the effects of race, ethnicity, gender, and class on health status; medicine and power; HIV/AIDS, bioethics and biotechnology; and, the application of medical anthropology in international and domestic settings. Prerequisite: ANT 101 or SOC 110 or SOC 120 or ANT/SOC 202. Offered Occasionally.

ANT/ARC 373 Cr.3
The Sky in Human Cultures
The Sky in Human Cultures examines how ancient peoples analyzed their skies, how they interpreted and applied the results of their observations, and what roles their considerable sky knowledge played in their lives and societies. While the course draws on some modern astronomical observation and calculation, this class relies primarily on anthropology and archaeology to explore the intimate relationships ancient peoples developed with this important feature of their environments. Prerequisite: ANT 101 or ARC 195 or SOC 110 or SOC 120. (Cross-listed with ANT/ARC; may only earn credit in one department.) Offered Every Third Semester.

ANT 375 Cr.3
Language, Power, and Inequality
This course will examine how our ideas about language intersect with differences in power and social inequality cross-culturally. These ideas about language include how we think people “should” speak, who speaks the “best,” and which language varieties are valued. Focusing on the role of institutions, we will explore issues such as standardization, authenticity, language hierarchies and the effects of colonialism, “mixed” languages, political correctness, and global Englishes. This class will also examine how our ideas about language are used to construct and reflect social boundaries, which can affect people’s social and political opportunities. Prerequisite: ANT 101 or ANT 195 or ANT 196 or SOC/ANT 202. Offered Occasionally.

ANT/ARC/SOC 399 Cr.3
SOC/ARC/ANT Forum
Investigation of areas and topics of current sociological/archaeological/anthropological interest not covered in the regular curriculum ranging from local to transnational issues. (Cross-listed with SOC, ANT and ARC; may only earn 12 credits total in SOC, ANT and ARC.) Repeatable for credit - maximum 12. Offered Occasionally.

ANT 401 Cr.4
Ethnographic Methods
Ethnography is a central method in anthropology. This course will provide students with the basics of ethnographic research through the use of small, hands-on group projects. In addition to reading texts on ethics, the research process, and the role of the researcher, we will move through all of the phases of ethnographic research as students gain skills in a variety of methods. Projects will cover preparing to do research, data collection, processing and analyzing data, and presenting research findings. The goal of this course is to teach students skills that can be applied to a variety of careers, as well as to future ethnographic research projects. Lec 3, Lab 2. Prerequisite: ANT 101 or ANT 195 or ANT 196 or SOC/ANT 202. Offered Occasionally.

ANT 409 Cr.1-3
Readings and Research in Anthropology
Directed readings or research under the supervision of an instructor. Repeatable for credit - maximum 6. Prerequisite: junior standing. Consent of instructor. Offered Annually.

ANT 450 Cr.3-15
Internship in Anthropology
An academically relevant field experience for majors and minors in sociology/anthropology. The field experience will be supervised by the sociology/anthropology staff. No more than six credits may be applied to a major in sociology and no more than three credits toward sociology minor or anthropology minor. Repeatable for credit - maximum 15. Prerequisite: junior standing with at least a 2.50 GPA; approval of the departmental internship committee. Consent of department. Pass/Fail grading. Offered Annually.

ANT 454 Cr.3
Historical and Theoretical Approaches in Anthropology
This course examines the history of anthropological thought since the beginning of the discipline. The course will specifically look at theories and theorists in anthropology using a historical perspective, demonstrating the ways that social events and cultural forces have helped shape theoretical and methodological paradigm shifts throughout the history of the discipline. Students will also be required to analyze ethnographies as cultural artifacts by examining the strategies anthropologists use to represent cultures and their role in fieldwork. Prerequisite: ANT 102, ANT 195, ANT 196, one elective (3 credits, 300 level or above). Junior or senior standing. Offered Spring.

ANT/ARC 479 Cr.1-2
Archaeology/Anthropology Laboratory Assistant
An opportunity to assist in the preparation and instruction of an archaeology/anthropology laboratory. Students will be expected to assist in preparation of course materials, demonstrate proper techniques, and evaluate student performance. Repeatable for credit - maximum 4. Not applicable to the archaeology major or anthropology minor. (Cross-listed with ANT/ARC, may only earn credit in one department.) Consent of instructor. Pass/Fail grading. Offered Annually.

ANT 499 Cr.2-3
Seminar in Anthropology
Intensive study of some specific area or problem of anthropology. Repeatable for credit. Prerequisite: maximum 12 credits may be earned between ARC 498 and ANT 499. Consent of instructor. Offered Occasionally.

**Archaeology (ARC)**

+ next to a course number indicates a general education course
Courses

+ARC 100 Cr.3

Archaeology: Discovering Our Past
This course is an introduction to the fascinating world of archaeology designed as a detailed exploration of the methods used to learn about past human life before written records. Each student will be involved in the process of discovering our past. Not recommended for Archaeological Studies majors. Offered Occasionally.

ARC 101 Cr.1

Orientation to the Archaeological Studies Major
This course is an orientation to the Archaeological Studies major. It is designed for students who have either declared or are considering archaeology as a major. It is appropriate for second semester freshman through first semester juniors and all transfer students. The field of archaeology as a discipline will be discussed as will career options related to the field. Students will be required to complete a variety of tasks designed to identify and/or clarify career paths and goals and increase their understanding of archaeology as both an empirical and applied science. Pass/Fail grading. Offered Spring.

ARC 195 Cr.3

Archaeology
An introductory course for archaeology majors. Methods and techniques for the recovery and interpretation of archaeological evidence are examined as well as the role of archaeology in modeling past human behavior and environments. Breakout sessions include exposure to and interpretation of material culture, field and lab methods, use of classification systems, and examination of prehistoric technologies such as stone tools and pottery. Prerequisite: archaeology major plan. Offered Fall.

ARC 200 Cr.3

World Archaeology, the Story of Our Past
A survey course which examines the origin and development of human cultures from earliest Paleolithic times to the great ancient civilizations. An emphasis will be placed on how these evolutionary developments represent changing patterns of human adaptation to the social and natural environment. Offered Spring.

ARC/HIS 204 Cr.3

Ancient Literate Civilizations
An historical and archaeological study of ancient Eurasia and North Africa, including a survey of the major archaeological sites. Topics such as the development of urbanization in the Near East and Mediterranean, and comparative studies of the Indus civilization, China, Classical Greece, Rome, and the New World will be discussed. (Cross-listed with ARC/HIS; may only earn credit in one department.) Offered Occasionally.

ARC 231 Cr.3

Introduction to Underwater Archaeology
This course provides an introduction to the exciting field of underwater and maritime archaeology. Two-thirds of the modern planet is covered in water, and this course will discuss the role that rivers, lakes, and oceans have played in human history and in the preservation of this history. We will look at the history of seafaring and the earliest evidence for coastal communities. We will talk about the role that vessels have played in human expansions, warfare, trade, and everyday life. We will investigate previously-terrestrial sites that have become submerged, and the archaeology of great maritime centers. We will also discuss how archaeologists discover, excavate, study, and preserve the remains we recover from underwater sites. Offered Occasionally.

ARC 250 Cr.3

Museum Studies
This introductory course provides a history of museums, their goals and methods, administration, curation and exhibit techniques. Participants will be taking field trips to museums. Offered Occasionally.

ARC 280 Cr.3

Archaeology of the Andes
This course reviews the prehistory and early historic periods of the Andean regions of South America. Emphasis will be placed on tracing the rise of civilization in the Andes which culminated in the Inca Empire and the extraordinary events that led to the conquest of the Inca by the Spanish conquistadors. Topics to be explored include the controversial evidence of early man in South America, the role of the ocean and mountains in shaping pre-hispanic life, the origin of domesticated plants and animals, and the rise of the complex societies of Moche, Tiwanaku, Wari, Chimú, and of course, the Inca. Offered Occasionally.

ARC 285 Cr.3

Archaeology of Mexico and Central America
This course offers the student an overview of the evolution of the civilizations of ancient Mesoamerica (Mexico and Central America) from the earliest stages of hunting and food gathering until the conquest of Mesoamerica by Spain in the early 16th century. The course describes the social and economic life as organized by a complex religion which produced human sacrifice, writing, calendrical systems, advanced art forms, iconography, and monument building activities. Offered Summer.

ARC/HIS 295 Cr.3

Pyramids, Temples and Towns! The Archaeology of Ancient Egypt
This course is a survey of the archaeology of Ancient Egyptian civilization from an anthropological perspective and examines the Neolithic through Roman periods, ca. 5000 B.C. - A.D. 285. In this course, we will investigate the rise and development of Egyptian culture by examining selected archaeological sites and the material remains left behind by the ancient Egyptians. Using these materials, we will address specific topics of Ancient Egyptian civilization including the formation of the centralized state, sacred vs secular space, royal and private mortuary practices, urbanism, religion, roles of women in society, everyday life, history of Egyptian archaeology, recent discoveries, and future directions in the archaeology of Egypt. Offered Every Third Semester.

ARC 300 Cr.3

Cultural Resources Management
Since the 1980’s American archaeology has shifted from a strictly academic profession to a more practical occupation in which consulting and the implementation of legislation and public policy are major components. In fact, today Cultural Resource Management (CRM) is the dominant force in archaeology in the United States. The primary goals of this class are to provide students with an appreciation of the importance of CRM and an understanding of the legislation that drives it, as well as exposure to the everyday practices of archaeologists working in a CRM context. Prerequisite: ARC 195 recommended Offered Occasionally.

ARC 303 Cr.3

Archaeology Lab Methods
Taking a hands-on approach to analyzing and interpreting archaeological remains, the class will integrate lectures with demonstrations, experiments, and supervised laboratory projects. Study will focus on the potential for interpreting human life ways and adaptations to the environment from stone tools, ceramics, floras, and faunal remains. Prerequisite: ARC 195. Offered Occasionally.
ANT/ARC 304 Cr.3
**Hunter and Gatherer Societies**
This course focuses on recent human societies throughout the world that have lived by hunting and gathering wild resources. The specific subsistence strategies of a wide range of hunter-gatherer groups are examined relative to their technology, social structure, territory, demography and interaction with food producers. The conclusion of this course will consider hunter-gatherers in prehistory. Prerequisite: ANT 101 or ARC 195; junior standing. (Cross-listed with ANT/ARC; may only earn credit in one department.) Offered Occasionally.

ANT/ARC 305 Cr.3
**Indigenous Agricultural Societies: Past & Present**
This course examines the origins, structure, social organization, and operation of indigenous agricultural societies. A central focus of the course is an inquiry based, sequential examination of geographically related couplets involving (1) contemporary indigenous agricultural tribal societies and (2) archaeological excavation reports. The utility of the ethnographic record as a guide to interpretation of the archaeological record is evaluated. Prerequisite: ANT 101 or ARC 195. (Cross-listed with ANT/ARC; may only earn credit in one department.) Offered Occasionally.

ARC 310 Cr.3
**Midwest Archaeology**
This course will focus on the human occupation in the Midwest/Great Lakes region over the past 12,000 years. Emphasis will be given to the dynamic quality of cultural adaptation and social organization. The cultural developments leading to the Middle Woodland and Mississippian cultures in the region are to be stressed. Prerequisite: ARC 195. Offered Occasionally.

ARC 312 Cr.3
**African Archaeology**
Africa has the longest archaeological record in the world. This course will examine the archaeology of African peoples from millions of years ago to the present, with particular emphasis placed on the last ten thousand years of African prehistory. Topics covered will include the continent’s unique pathways to food production, as well as the development of metallurgy, the rise of complex urban societies such as Aksum and Jenne Jeno, and contemporary issues in cultural heritage. Offered Occasionally.

ARC 320 Cr.3
**Historical Archaeology**
The focus of this course is historical archaeology. This discipline combines an archaeological evaluation of material remains from the historic past with an examination and analysis of historical sources. In the New World, historical archaeologists work on a broad range of sites that document early European settlement and its effects on Native American peoples, wars fought on American soil, the subsequent spread of the Euro-American frontier, and later periods of urbanization and industrialization. Historical archaeologists seek to understand the past from an anthropological perspective and appreciate how broad historical developments have shaped modern society. In this class we will explore all these aspects of historical archaeology in the New World and abroad. Prerequisite: ARC 195. Offered Occasionally.

ANT/ARC 330 Cr.3
**Pastoralism: Past and Present**
Mobile pastoralism is a way of life centered on the management and herding of livestock. It has had a powerful impact on social and environmental landscapes since originating independently in various forms throughout the world, and tens of millions of people throughout the world still rely on cattle and other domesticated animals for survival today. This course will explore the archaeology and anthropology of pastoralist societies, focusing on the ecological, political, and cultural strategies that made pastoralism dynamic and sustainable throughout prehistory and into the current era. (Cross-listed with ARC/ANT; may only earn credit in one department.) Offered Occasionally.

ARC/HIS 331 Cr.3
**The Ancient Greek World**
A historical and archaeological survey of the ancient Greek world (Greece proper, the Aegean Islands, southern Italy, western Turkey). Periods discussed will include Cretan (Minoan), Mycenaean, Archaic, Classical, Hellenistic, and Early Greek Christian. (Cross-listed with ARC/HIS; may only earn credit in one department.) Offered Occasionally.

ARC/HIS 332 Cr.3
**Ancient Rome and the Mediterranean**
A historical and archaeological survey of the ancient Mediterranean area (with emphasis on the Italian peninsula) from the founding of the city of Rome to the collapse of the western Roman Empire in the fifth century A.C.E. Periods discussed will include: Italy in the Neolithic period, the founding of Rome, Etruscan Domination, the Roman Republic, the Roman Principate/Empire, and the advent of Roman Christianity. (Cross-listed with ARC/HIS; may only earn credit in one department.) Offered Occasionally.

ARC 334 Cr.3
**Bones for Archaeologist: Human Skeletal Anatomy and the Anthropological Study of the Dead**
This course is designed for students majoring in archaeological studies or related fields. The focus of this course is a detailed study of the human skeleton. Each student will be required to learn the anatomy of the human skeleton in detail. Also considered are methods of determining an individual’s age, ethnic origins, sex, and stature from skeletal remains. The final three weeks of the course will be concerned with anthropological interpretation of the dead. Offered Occasionally.

ARC/HIS 340 Cr.3
**Origins of Cities**
This course examines the origins and development of urban life. Students will first explore, from an anthropological perspective, the character of modern cities. Students will next examine the earliest cities in the Old and New Worlds, and comparatively explore the varied ecological, social, political, and demographic processes associated with urbanization in various ancient civilizations (Mesopotamia, Egypt, Indus Valley, China, Andes, and Mesoamerica). While the focus of this course is on archaeological cities, it draws heavily on ethnographic and sociological studies of urban forms. The purpose of this course is to provide students with a comparative understanding and appreciation of urban life and its long history. (Cross-listed with ARC/HIS; may only earn credit in one department.) Offered Occasionally.

ARC 341 Cr.3
**North American Archaeology**
An intensive survey of the prehistoric cultures of North America north of the Rio Grande from the initial peopling of the New World to European contact. Major archaeological sites and cultures will be critically examined and an interdisciplinary approach is stressed. Prerequisite: ARC 195 or ANT 101. Offered Occasionally.
ANT/ARC 346 Cr.3

Ethnoarchaeology and Experimental Archaeology
Archaeology isn’t only about excavations: Since the 1960’s, archaeologists have also examined aspects of life in the present as a way to better interpret material culture found at ancient sites. Ethnoarchaeology uses ethnographic field methods among modern peoples to develop informed hypotheses about life in the past. Experimental archaeology uses controlled scientific experiments to develop models about past behaviors including tool use, pottery production, etc. This course will cover both of these “middle-range” approaches, and will require participation in hands-on ethnoarchaeological and experimental class projects. Prerequisite: ARC 100 or ARC 195 or ARC 200 or ANT 101 or ANT 195 or ANT/SOC 202. (Cross-listed with ANT/ARC; may only earn credit in one department.) Offered Occasionally.

ARC/ESC/GEO 347 Cr.3

Geoarchaeology
An applied course on the contribution of earth sciences to the interpretation of archaeological contexts. This course will consist of field, lab and lecture components. Emphasis is placed on the methods of geoarchaeology and the applications of selected earth science fields to archaeological problems. Field trips will be a required component of the course in order to complete field descriptions and sampling. Prerequisite: ARC 195 or ESC 222 or ESC/GEO 426 or ESC/GEO 430. Cross-listed with ARC/ESC/GEO; may only earn credit in one department. Offered Occasionally.

ARC 350 Cr.1-6

Independent Foreign Research in Archaeology
An individually designed, directed archaeological research project in a foreign country dealing with a significant field, laboratory, museum, or archival/library research problem. The course permits in-depth, independent research using foreign sources, facilities, and resource persons. Requires a high degree of motivation and the ability to work independently. Only three credits may apply to the major. Prerequisite: INS 250; junior standing; consent of the department of sociology/archaeology. Consent of department. Offered Occasionally.

ANT/ARC/HIS 353 Cr.3

Maya Civilization
The course presents an overview of the Maya culture located in southern Mexico and Central America. The class is organized chronologically into several sections that focus on the origins, adaptations to various environments, social, political, and religious organizations, and the belief systems of the Maya beginning at around 3000 BC. Emphasis will be on Prehispanic Maya; will also explore life ways of contemporary Maya people. (Cross-listed with ARC/ANT/HIS, may only earn credit in one department.) Offered Summer.

ANT/ARC 357 Cr.3

Peoples and Cultures of Africa
An anthropological introduction to the peoples and cultures of sub-Saharan Africa. Through classic and contemporary ethnography, as well as literature and film, this course will examine the history, diversity, and richness of African civilizations from pre-colonial times to the present. Throughout the course we will examine and challenge Western narratives about Africa and Africans, and take a critical approach to understanding current social, political, and economic issues facing African peoples. (Cross-listed with ANT/ARC; may only earn credit in one department.) Offered Occasionally.

ARC/HIS 365 Cr.3

Ancient Iraq
A historical and archaeological survey of ancient Iraq (Syro-Mesopotamia) from its prehistoric origins in the neolithic period to the Seleucid period. Ethnic groups discussed will include the Sumerians, Akkadians, Babylonians, Assyrians, Kassites, Amorites, Chaldeans, and Elamites. Topics will include the rise of urbanism, cuneiform writing, religion, literature, displaced persons, gender relations, and social structure. (Cross-listed with ARC/HIS; may only earn credit in one department.) Offered Occasionally.

ARC/HIS 366 Cr.3

Ancient Israel
A historical and archaeological survey of coastal Syria and Palestine from the neolithic period to the Roman conquest. Various ethnic groups discussed will include the Eblaites, Phoenicians, Philistines, Canaanites, Arameans, Israelites, Samaritans, and Judeans. Special emphasis will be placed on putting biblical history in its Palestinian context. Topics will include social structure, gender relations, religion, and literature. (Cross-listed with ARC/HIS; may only earn credit in one department.) Offered Occasionally.

ARC/HIS 367 Cr.3

Ancient Egypt
A historical and archaeological survey of ancient Egypt from the prehistoric periods, the Pharaonic periods, as well as the Greco-Roman periods (to the advent of Christianity). Special attention will be given to reading historical texts in translation. We will also explore various aspects of Egyptian religion, and the treatment of woman and non-Egyptian ethnic groups. (Cross-listed with ARC/HIS; may only earn credit in one department.) Offered Occasionally.

ARC/HIS 368 Cr.3

History of Babylonian Language and Culture I
This course is a survey of the history, archaeology, culture, and civilization of ancient Egypt from the prehistoric periods, the Pharaonic periods, as well as the Greco-Roman periods (to the advent of Christianity). Special attention will be given to reading historical texts in translation. We will also explore various aspects of Egyptian religion, and the treatment of woman and non-Egyptian ethnic groups. (Cross-listed with ARC/HIS; may only earn credit in one department.) Offered Occasionally.

ARC/HIS 369 Cr.3

History of Babylonian Language and Culture II
This course is a second semester survey of Babylonian history, culture, and language. Babylonian, was the most extensive of the cuneiform languages of the ancient Near East, was the language of the ancient Assyrians and Babylonians and was used for over two millennia. Students will study aspects of the history and culture of ancient Babylonia, as well as learn the fundamentals of Babylonian grammar and syntax, and the cuneiform writing system. (Cross-listed with ARC/HIS; may only earn credit in one department.) Offered Occasionally.

ARC/HIS 372 Cr.3

History of Women in the Ancient World
A history of the nature and status of women in the ancient world as derived from textual sources, including works of literature, private letters, economic documents, and tomb inscriptions. Areas studies will be Syro-Mesopotamia, Israel, Iran, Anatolia, Egypt, and the Mediterranean world. Also discussed will be the study of women as derived from archaeological sources. (Cross-listed with ARC/HIS; may only earn credit in one department.) Offered Occasionally.
ANT/ARC 373 Cr.3

**The Sky in Human Cultures**

The Sky in Human Cultures examines how ancient peoples analyzed their skies, how they interpreted and applied the results of their observations, and what roles their considerable sky knowledge played in their lives and societies. While the course draws on some modern astronomical observation and calculation, this class relies primarily on anthropology and archaeology to explore the intimate relationships ancient peoples developed with this important feature of their environments. Prerequisite: ANT 101 or ARC 195 or SOC 110 or SOC 120. (Cross-listed with ANT/ARC; may only earn credit in one department.) Offered Every Third Semester.

ARC/HIS 374 Cr.3

**Ancient Turkey**

An historical and archaeological survey of ancient Anatolia (the geographic name of Turkey) and surrounding regions (e.g., Syria and the Caucasus) from its prehistoric origins in the Neolithic period, the rise of urbanism, Assyrian mercantilism, Pre-Hittite cultures, the Hittite kingdoms, the Neo-Hittite states, Urartu, Phrygia, Lydia, Cimmerians, Medes, Persians, and various states in the Graeco-Roman period to the advent of Anatolian Christianity. Topics will include cuneiform writing, religion, literature, law, gender relations, and social structure. (Cross-listed with ARC/HIS; may only earn credit in one department.) Offered Occasionally.

ARC/HIS 375 Cr.3

**Iran before Islam**

An historical and archaeological survey of ancient Iran and surrounding regions from prehistoric origins to the advent of Islam in the 7th century A.D. Among the topics discussed will be: the rise of urbanism and writing at Proto-Elamite Susa, Elamite civilization in southwestern Iran, Medes, Scythians, and Persians in the Iron Age, the Persian Empire, as well as the Seleucid, Parthian, and Sassanian kingdoms of later antiquity. Emphasis will be on the study of primary sources in translation (Sumerian, Akkadian, Elamite, Old Persian, Greek, Latin, and Hebrew, amongst others). Topics will include cuneiform writing in Iran, religion, literature, gender relations, classical traditions about Iran, and social structure. (Cross-listed with ARC/HIS, may only earn credit in one department.) Offered Occasionally.

ARC 395 Cr.1

**Graduate Preparation Seminar**

Third year students who are interested in pursuing a graduate degree in anthropology or archaeology have many things to consider. This seminar is designed to help students determine what research they intend to pursue after graduation, what graduate schools are particularly well suited to meet their research needs, how to target and apply to certain programs, and how to develop an impressive resume. This seminar will also serve to prepare students who do not intend to continue their education in graduate school for employment opportunities upon graduation. Prerequisite: archaeology major plan; junior standing. Pass/Fail grading. Offered Fall.

ARC/HIS 396 Cr.3

**Ancient Syria**

A historical and archaeological survey of ancient Syria and surrounding regions from prehistoric origins to the advent of the Roman conquest in the first century B.C. Among the topics discussed will be the rise of urbanism and writing along the Euphrates River, religion, gender, social structure, and literature. Moreover, the student will study in translation the vast cuneiform archives from Ebla, Mari, Alalakh, Qattara, Nuzi, Emar, and Ugarit, to name a few. Furthermore, biblical, classical, and medieval sources concerning Syria in the first millennium B. C. will be studied. (Cross-listed with ARC/HIS; may only earn credit in one department.) Offered Occasionally.

ANT/ARC 399 Cr.3

**SOC/ARC/ANT Forum**

Investigation of areas and topics of current sociological/archaeological/anthropological interest not covered in the regular curriculum ranging from local to transnational issues. (Cross-listed with SOC, ANT and ARC, may only earn 12 credits total in SOC, ANT and ARC.) Repeatable for credit - maximum 12. Offered Occasionally.

ARC 402 Cr.3-8

**Field Methods in Archaeology**

Practical application of the basic skills used in the excavation of archaeological sites, including surveying techniques, methods of excavation, compilation of field data, and laboratory analysis. Prerequisite: ARC 195. Consent of instructor. Offered Summer.

ARC 404 Cr.3

**Environmental Archaeology**

This course investigates the relationship between prehistoric human societies and their biotic communities. An array of techniques using plant and animal remains from archaeological contexts to reconstruct aspects of ancient environments, climates, and human subsistence patterns are examined. Applications of environmental data toward the understanding of human settlement and subsistence systems are discussed. Prerequisite: ARC 195; junior standing. Offered Occasionally.

ARC 409/509 Cr.1-3

**Readings and Research in Archaeology**

Directed readings or research under the super-vision of an instructor. Repeatable for credit — maximum 12. Prerequisite: ARC 200 or ARC 490 or ARC 493; junior standing. Consent of instructor. Offered Annually.

ARC 415 Cr.3

**Advanced Research Applications in Archaeology**

This course will provide advanced training in archaeological data collection and analysis, with focus on designing theoretically-rich analyses that can be applied to answering specific research questions. To this end, each semester will focus intensively on a single category of advanced analysis, such as lithic or ceramic materials analysis. Prerequisite: ARC 195 and ARC 303. Offered Occasionally.

ARC 445 Cr.3

**Research Methods in Archaeology**

This course is an introduction to a broad spectrum of research strategies available to archaeologists with a focus on quantitative methods. It is not a course in statistics. Rather, the course is intended to help students learn to be comfortable working with qualitative and quantitative data, and to be a sampler of commonly used quantitative methods in archaeology. Prerequisite: ARC 195; MTH 145 recommended. Offered Fall.

ARC 450 Cr.1-15

**Internship in Archaeology**

An academically relevant field experience for archaeology students. The experience will involve direct participation in excavation, laboratory analysis, or other aspects of archaeological science including museum work, supervised by an archaeologist or professional of a related discipline. Repeatable for credit — maximum 15. Only three credits can apply to the major. Prerequisite: junior standing; minimum 3.00 cumulative GPA. Consent of department. Pass/Fail grading. Offered Annually.

ARC 455 Cr.3

**Historical and Theoretical Perspectives in Archaeology**

This course reviews the practice of archaeology from its antiquarian beginnings through modern times. The goal of the course is to explore, from a historical perspective, the theoretical approaches that have been used by archaeologists to explain past human behavior. By exploring the development of archaeological thought through time, students will gain a deeper understanding of current theoretical approaches in archaeology. Prerequisite: ARC 195; junior standing. Offered Fall.
ANT/ARC 479 Cr.1-2
Archaeology/Anthropology Laboratory Assistant
An opportunity to assist in the preparation and instruction of an archaeology/anthropology laboratory. Students will be expected to assist in preparation of course materials, demonstrate proper techniques, and evaluate student performance. Repeatable for credit - maximum 4. Not applicable to the archaeology major or anthropology minor. (Cross-listed with ANT/ARC, may only earn credit in one department.) Consent of instructor. Pass/Fail grading. Offered Annually.

ARC 489 Cr.3
Honors Thesis in Archaeology
This is the capstone course for Archaeological Studies majors enrolled in the Archaeology Honors Program. Honors students take this course in lieu of ARC 499, typically during their final year. The course is designed to assist the student in completing a Baccalaureate thesis that will be presented in hard copy as well as verbally at the Annual Archaeological Studies Spring Research Colloquium. Prerequisite: ARC 195; ARC 200; acceptance to the archaeology honors program; senior standing. Offered Spring.

ARC 490/590 Cr.3
Archaeology for Teachers
This course explores methods and resources for applying archaeology in the regular precollege classroom. A brief overview of the science of archaeology, and the pre-European cultures of Wisconsin and Minnesota is provided. Prerequisite: junior standing. Offered Occasionally.

ARC 491/591 Cr.3
Archaeology Field School for Teachers
Participants will experience the basic skills used in the excavation of archaeological sites, including surveying techniques, methods of excavation, compilation, of field data and laboratory analysis. Practical application of the skills will be related to the classroom of the precollege instructor. Repeatable for credit - maximum 12. Prerequisite: ARC 490 or ARC 493; junior standing. Offered Occasionally.

ARC 492/592 Cr.3
Archaeology Analysis Procedures for Teachers
Taking a hands-on approach to analyzing and interpreting archaeological remains, the class will integrate lectures with demonstrations, experiments, and supervised laboratory projects. Study will focus on the potential for interpreting human life ways and adaptations to the environment from stone tools, ceramics, floral, and faunal remains. Practical application of the interpretation process will be related to the classroom of the precollege instructor. Introduction will provide an overview of field procedures. Prerequisite: ARC 490 or ARC 493; junior standing. Offered Occasionally.

ARC 493/593 Cr.3
Wisconsin Archaeology for Teachers
This class is designed to provide teachers with substantial content on the science of archaeology and the pre-European history of Wisconsin. Through an inquiry-based approach, teachers learn the process of archaeological interpretation of cultural patterns from material remains by undertaking the reconstruction of such patterns from a provided sample of material remains. This process is applicable to the K-12 classroom. Prerequisite: junior standing. Offered Occasionally.

ARC 494/594 Cr.1-3
Applied Archaeology for Teachers
This class is designed to give teachers a comprehensive and hands-on personal experience in archaeological data acquisition, interpretation and experimental archaeology. Participants will apply class content to the K-12 classroom. Repeatable for credit - maximum 12. Prerequisite: junior standing. Offered Occasionally.

ARC 498/598 Cr.1-3
Seminar in Archaeology
Intensive study of some specific area or problem of archaeology. Repeatable for credit - maximum 12 credits between ARC 498 and ANT 499. Departmental option for pass/fail or letter grade. Prerequisite: ARC 200 or ARC 490 or ARC 493; junior standing. Offered Occasionally.

ARC 499 Cr.3
Senior Project/Thesis in Archaeology
This course is the last course in the Archaeological Studies major course sequence and is normally taken during the student’s final year. The course is designed to assist the student in completing the graduation requirement of the senior project/thesis. Prerequisite: ARC 195; senior standing; admission to archeology major. Consent of instructor. Offered Spring.

Art (ART)
+ next to a course number indicates a general education course

Courses
+ART 102 Cr.2
Art Appreciation
Discovering the visual world. An introduction to the visual arts of applied arts, architecture, craft arts, film/video arts, painting/drawing, printing/graphic arts, and sculpture. The student will learn to use analysis and evaluation to explore the meaning of art. Offered Fall, Winter, Spring, Summer.

+ART 160 Cr.3
General Art Foundations
An introductory course in visual art, with emphasis on understanding the methods of art making in a variety of studio disciplines. Topics include recognition of visual elements and principles of design, methods of applying these elements and principles throughout a variety of art forms, thematic development, relationship of the visual arts to other fields of human endeavor, and an introduction to writing about visual art. Course content includes representative paradigms of world art, Western art, multicultural and contemporary art. Critical thinking is explored through responses to the visual arts through active involvement with various creative processes and media. Offered Fall, Spring.

ART 162 Cr.3
Drawing Foundations
Drawing foundations introduces the student to a studio-based approach to the visual arts. Students in this course will learn to use and explore the descriptive and expressive characteristics of various drawing media (both dry and liquid media). Students will also use close observation and analysis of visual experience. The course is primarily a study of perceptual observation, the materials and methods of drawing being the vehicle for investigation and interpretation. Lect. 1, Studio 4. Prerequisite: ART 160 or concurrent enrollment. Offered Fall, Spring.

ART 164 Cr.3
Design Foundations
The elements of two-dimensional design are introduced through a variety of media and studio practice. Emphasis on concept development and creative philosophies. Problem-solving strategies are explored through studio work and critiques. Lect. 1, Studio 4. Prerequisite: ART 160 or concurrent enrollment. Offered Fall, Spring.
ART 162 Cr.3
Three Dimensional Foundations
This course provides the student's introductory experience to a studio-based approach to the visual art in the three-dimensional realm. Students apply design elements and principles to projects and experiences as they occur in the physical world. Concentration will focus on expanding visual vocabulary, investigations into basic creative processes and design concerns as they apply to the three-dimensional form. The course will explore conceptual problem solving, elementary constructions techniques and an investigation into the inherent qualities of materials. Lect. 1, Studio 4. Prerequisite: ART 160 or concurrent enrollment. Offered Fall, Spring.

γART 172 Cr.3
Photography Survey
This course is a thematic examination of photography as an art form. Through lectures, films, hands on assignments and in class discussions, students will learn important conceptual and visual trends employed in art photography. Topics covered will include: 19th and 20th century influences, multi-cultural interpretation of genres, new approaches to representation of self and the influence of digital technology on photography. Students will also learn about individual and collective cultural models utilized to form the complex visual language of photographs. Offered Fall, Spring.

ART 204 Cr.3
Watercolor Painting
A studio course concentrating on watercolor painting with an emphasis on technique and color theory. Traditional and contemporary modes of expression are studied in the context of the working studio. Stylistic and thematic developments are explored. Lect. 1, Studio 4. Offered Occasionally.

ART 205 Cr.3
Introduction to Painting
This course is a thorough introduction to the techniques and materials of painting. Focus is on approaches to creative expression, the research of historical and contemporary painting, and peer critical dialogue. Explores a broad range of painting media, including oil, acrylic, watercolor, and encaustic. Various stylistic approaches are introduced, including realism, abstraction, and postmodern painting. Lect. 1, Studio 4. Prerequisite: ART 162. Offered Fall, Spring.

ART 206 Cr.3
Digital Media: Graphic Design for Non-Majors
This course in graphic design emphasizes the process of visual communication of ideas and information with attention to aesthetic considerations, techniques and methods. Students do not have to be art majors to explore various facets of graphic design using the Adobe Creative Suite software, Photoshop, Illustrator, InDesign and Dreamweaver. Practical study in this area involves the design and production of advertising, brochures, and posters with the development and application of logotypes and design formats using computer technologies and graphic reproduction techniques. Basic knowledge of computer use. Not applicable to ART majors or minors. Lect. 1, Studio 4. Offered Fall, Spring.

ART 207 Cr.3
Introduction to Computer Graphic Design
This course provides an introduction to and a survey of computer graphic design. Students develop an understanding of the basic design principles, typography, design problems and solutions, and composition. Graphic design software will be explored. Lect. 1, Studio 4. Prerequisite: ART 162. Offered Fall, Spring.

ART 213 Cr.3
Ceramics for Non-Art Majors
This course will focus on learning new skills and/or refining skills in ceramics by exploring the history of ceramic form, researching contemporary ceramicists, and practicing hand-built, wheel thrown, and surface techniques. Lect. 1, Studio 4. Repeatable for credit - maximum 6, with instructor permission. Prerequisite: not open to art majors. Offered Fall, Spring.

ART 214 Cr.3
Introduction to Sculpture
An introductory studio course which explores basic processes associated with sculptural form. The course begins with an introduction to direct, additive processes where students will work with basic materials such as clay, concrete, wood, and foam. The second half of the semester concentrates on modeling, mold making, and casting metal. Lect. 1, Studio 4. Prerequisite: ART 166. Offered Fall, Spring.

ART 216 Cr.3
Introduction to Ceramics
A studio course which explores process and materials. The course begins with hand building techniques. The end of the semester focuses on throwing on the potter's wheel. Throughout the course the student will experiment in clay, glazes, and surface decoration. Lect. 1, Studio 4. Prerequisite: ART 166. Offered Fall, Spring.

ART 217 Cr.3
Painting for Non-Majors
This course introduces students to the basic principles and methodology of painting, including oil and acrylic. Students gain an understanding of historical painting as well as contemporary practices, with an emphasis on basic color theory, form and composition, texture and spatial illusion. Not applicable to art majors or minors. Lect. 1, Studio 4. Repeatable for credit - maximum six. Offered Annually.

ART 218 Cr.3
Introduction to Printmaking: Intaglio
In this introductory course, the student will be exposed to the issues and possibilities of the printed image by exploring the techniques of black and white intaglio. The intaglio printmaking process will be examined through extensive studio and historical research. Areas of study include the development of intaglio from 1657 to the present, the application of drawing and content issues to the techniques of drypoint, line etching, aquatint, and softground. Lect. 1, Studio 4. Prerequisite: ART 162. Offered Fall, Spring.

ART 219 Cr.3
Forging/Raising for Non-Art Majors
This course will focus on the basic principles of metal forging and raising of ferrous and nonferrous metals with emphasis on design. Prerequisite: not open to art majors. Offered Occasionally.

ART 220 Cr.3
Introduction to Metalsmithing, Forging & Raising
This studio course will focus on the design and development of traditional and experimental holloware and metalsmithing techniques. Emphasis will be placed on the student's ability to think and resolve design problems through creative use of the techniques taught during the course in the production of assignments. ART 220 builds on the technical foundation of raising and fabrication while challenging students to embrace traditional and nontraditional techniques. Lect. 1, Studio 4. Prerequisite: ART 160; ART 166 or concurrent enrollment. Offered Spring.
ART 221 Cr. 3
**Introduction to Metalsmithing**
This studio course will focus on the design and development of introductory nonferrous metal fabrication and construction techniques utilized in the creation of jewelry and metal objects. Emphasis will be placed on the student’s ability to think and resolve design problems through creative use of the techniques taught during the course in the production of assignments. The course covers cutting, soldering, finishing, surface enrichment, cold connections, forming, forging and raising. Lect. 1, Studio 4. Prerequisite: ART 160; ART 166 or concurrent enrollment. Offered Fall, Spring.

ART 222 Cr. 3
**Metalsmithing for Non-Art Majors**
This course will focus on the basic use of nonferrous metals in jewelry/metalsmithing, with emphasis on design and development of introductory nonferrous metal fabrication and construction. Not applicable to Art majors and minors. Prerequisite: not open to art majors or minors. Offered Fall.

ART 223 Cr. 3
**Introduction to Blacksmithing**
This studio course will focus on the design and development of traditional and experimental blacksmithing techniques. Students will become familiar with the basic methods of working with hot iron, the history of blacksmithing, and the safe and proper use of tools and equipment involved with the process. Studio 5. Prerequisite: ART 160; ART 166. Offered Fall.

ART 250 Cr. 3
**Studio Art for Non-Art Majors**
A studio art experience for non-art majors; an introduction to a variety of art media such as drawing, painting, printmaking and sculpture. Lect. 1, Studio 4. Repeatable for credit - maximum 6. Prerequisite: not open to art majors or minors. Consent of instructor. Offered Occasionally.

ART 251 Cr. 3
**Art History I: Ancient and Medieval Art**
A survey of the visual arts from the Paleolithic era to 1400 A.D. The course will consider in depth art of the ancient civilizations that are part of the Western heritage, including Egypt, Greece, Rome and art of the Middle Ages from Europe and the Byzantine Empire. Non-Western art to be studied will include Islamic, Asian, African, and pre-Columbian art of the Americas. Offered Fall.

ART 252 Cr. 3
**Art History II: Renaissance to Contemporary Art**
A study of the visual arts from 1400 A.D. to the present. The course will focus on art of the Renaissance and subsequent styles such as Baroque and Rococo, as well as on the art of the modern/post-modern eras. Besides studying art produced in Europe and the United States, the course will consider post-1400 art from Asia, Africa, and Latin America. Offered Spring.

ART 262 Cr. 3
**Drawing II**
A studio course emphasizing growth through observation, exploration and interpretation of visual forms-including the figure. Drawing as language is investigated and interpreted by exploring various styles and techniques from traditional and contemporary works. Building upon Drawing Foundations students will experiment with a range of materials and thematic possibilities. Lect. 1, Studio 4. Prerequisite: ART 160, ART 162. Offered Fall, Spring.

ART 272 Cr. 3
**Photography and Imaging I**
This course will serve as an introduction to black and white photography and will introduce 35mm camera functions, exposure techniques, and processing. In addition to learning the technical mechanics of the medium, students will be given hands on projects to further their understanding of photography in aesthetic and conceptual terms. The course will consist of lectures, demonstrations, class critiques, and explorations of the work of a wide range of photographers. Offered Fall, Spring.

+ART 301 Cr. 3
**World Art**
This course will be an in-depth examination of art forms in various historical, social, and religious contexts of Africa, South and South East Asia, the Pacific, and the Americas. Students will explore issues, approaches and controversies in cross cultural civilizations through art as a primary source of understanding. They will experience how, through art, the values and ideas of many cultures have evolved and new patterns of globalization have shaped the modern world. Prerequisite: junior standing. Offered Fall, Spring.

+ART 302 Cr. 3
**Visual Language in the Global Classroom**
This course provides a discovery of the connections between visual art and a variety of disciplines. Cultural values and the social institution of education will be examined. Through inquiry, analysis, and research, students will explore art as a form of perceptual, social, and cultural learning. Students will develop guiding questions, rubrics, and procedures for the instruction of visual art education and will consider a model of instruction which guides and nurtures creativity and higher level thinking skills. Prerequisite: completion of at least 45 university credits. Offered Fall, Spring.

ART 304 Cr. 3
**Color Theory**
An intensive study of color through studio practice in water-based media. As part of the painting course sequence, this course isolates the element of color in practice while examining its relationship to other elements in analysis. The student will build upon material covered in ART 205 to develop a more sophisticated understanding of color and other attributes of painting. Course content includes physiological and cultural perceptions of color, and processes of color mixture, opacity, and transparency. Lect. 1, Studio 4. Prerequisite: ART 164, ART 166, ART 205. Offered Fall, Spring.

ART 305 Cr. 3
**Intermediate Painting**
The intermediate level of painting expands upon the concepts introduced in ART 205, with an emphasis on creative development within the discipline. Students develop their own visual language, creative expression, and conceptual understanding through active participation in collaborative painting, and individual studio work, and critiques. Prerequisite: ART 164, ART 166, ART 205 and ART 252. Offered Fall, Spring.

ART 308 Cr. 3
**Intermediate Computer Graphic Design**
An intermediate exploration of graphic design problem solving. Students will explore effective and visually pleasing communication design through various projects, using raster and vector-based graphic design softwares. Lect. 1, Studio 4. Prerequisite: ART 162, ART 164, ART 207. Offered Fall, Winter.
ART 314 Cr.3
Intermediate Sculpture
Students are asked to develop a personal vision through foundry processes and techniques which align themselves with that vision. The student will be directed to explore advanced applications for the development of complex form and imagery. Students are also given the opportunity to refine their skills in observation and modeling form. Lect. 1, Studio 4. Prerequisite: ART 162, ART 164, ART 214. Offered Fall, Spring.

ART 316 Cr.3
Intermediate Ceramics
Studio course specializing in the skill associated with the pottery wheel. Emphasis upon individual research in the mixing of clay bodies and simple experiments in glaze research. Lect. 1, Studio 4. Prerequisite: ART 162, ART 164, ART 216. Offered Fall, Spring.

ART 318 Cr.3
Intermediate Printmaking: Lithography
In this intermediate course, the student will build upon the material covered in ART 209 while exploring the issues and possibilities of the printed image through a studio/historical exploration of lithography. Areas of research include the historical development of lithography and the application of its techniques of crayon, pencil, transfer and computer augmentation to stone lithography. Lect. 1, Studio 4. Prerequisite: ART 164, ART 166 and ART 218. Offered Fall, Spring.

ART 320 Cr.3
Intermediate Metalsmithing: Forging and Raising
This studio course will focus on the design and development of traditional and experimental holloware and metalsmithing techniques. Emphasis will be placed on the student’s ability to think and resolve design problems through creative use of the intermediate/advanced techniques taught during the course in the production of assignments. This course will cover synclastic and anticlastic raising, nonferrous metals forming and forging, as well as an introduction to ferrous metal forging. Lect. 1, Studio 4. Prerequisite: ART 220. Offered Spring.

ART 321 Cr.3
Intermediate Metalsmithing
This studio course will focus on the design and development of nonferrous casting techniques utilized in the creation of jewelry and metal objects. It will introduce students to hand and machine practices relative to the solidification processes of metal work. Areas of focus will include lost wax casting preformed though vacuum and centrifuge methods, as well as alternative methods such as cuttlebone casting techniques. A variety of mold making techniques for production casting will also be investigated. Emphasis will be placed on the student’s ability to think and resolve design problems through creative use of the techniques taught during the course in the production of assignments. Lect. 1, Studio 4. Prerequisite: ART 221. Offered Fall, Spring.

ART 323 Cr.3
Intermediate Blacksmithing
This course is an intermediate studio in traditional and experimental blacksmithing techniques. Its focus is to provide a hands on opportunity to expand their creative and technical skills related to the working of iron objects. Intermediate Blacksmithing builds on the technical foundation of forging and fabrication methods presented in the beginning level of this studio while challenging students to embrace nontraditional techniques and increase the scale of their finished objects. Studio 5. Repeatable for credit - maximum six. Prerequisite: ART 223. Offered Fall.

ART 331 Cr.3
Art of the United States
A study of the visual arts of the United States from the colonial era to the present. Course will consider such significant issues as the participation of U.S. artists in international art movements and the relationship between socio-political developments and the visual arts. Prerequisite: ART 251, ART 252. Offered Fall.

ART 332 Cr.3
Contemporary Art
An intensive study of visual art produced throughout the world since 1970. The course will consider recent developments in traditional media art such as painting, sculpture, photography, printmaking, and the functional arts, and the changing status and nature of such media in the contemporary art world. The course will also examine the development of new media such as installation art, performance art, video and digital art. Prerequisite: junior standing. Offered Annually.

ART 341 Cr.3
Selected Topics in Art History
An intensive review of significant movements and styles in the history of art. The particular subject of the course will be chosen each year by the art faculty. This course is intended to provide an exposure to key topics in greater depth than allowed in the art history survey courses. Repeatable for credit - maximum 6. Prerequisite: ART 251, ART 252. Offered Spring.

ART 360 Cr.1-3
Travel/Study in Visual Art
Travel courses are conducted to various parts of the nation and world and may be led by one or more faculty members. Course work may include studio/professional practice, research, or seminar topics. Prior trip arrangements, financial deposit, and consent/orientation with International Education (if applicable) are required. May be repeated to different locations. Repeatable for credit - maximum 6. Prerequisite: sophomore standing. Consent of instructor. Offered Occasionally.

ART 362 Cr.3
Drawing III
A studio course emphasizing growth in observation and interpretation of complex visual forms. Students will gain greater understanding in drawing as language through exploration of various styles and techniques in both traditional and contemporary drawings. Utilizing the expertise and experience gained in both Drawing Foundation and Drawing II, students will experiment through thematic exploration to develop a visual vocabulary in drawing, with life drawing as a major component. Lect. 1, Studio 4. Prerequisite: ART 262. Offered Fall, Spring.

ART 372 Cr.3
Photography and Imaging II
This course will explore the technical and conceptual fundamentals of digital photography. Students will become conversant in the techniques of digital capture, archiving, optimizing files and digital printing. The skill sets will include Adobe Photoshop and color management. The course will consist of lectures, demonstrations, class critiques, and explorations of the work of a wide range of digital photographers and related artists. Prerequisite: ART 272. Offered Fall, Spring.

ART 373 Cr.3
Documentary Strategies in Photography
This course introduces students to making documentary photographs. It entails an examination of the photographic document as it functions as evidence of real events, a catalyst to social reform, and an exploration of the cultural representation of reality. Lectures and class discussion will focus on the objectivity of the social document, and new documentary approaches. Students will create a final self-directed project. Prerequisite: ART 372. Offered Annually.
ART 375 Cr.3
Special Projects in Photography
Workshops, directed and individual readings, or projects involving significant content or activities not available through regular course offerings in photography. Repeatable for credit - maximum 6. Consent of instructor. Offered Occasionally.

ART 376 Cr.3
Portraiture in Photography
Studio and environmental approaches to portraiture are studied and executed. Explores uses of studio and natural lighting; posing of singles, couples and small groups; designing strong compositions in studio settings; study of historic and contemporary portraitists. Prerequisite: ART 372. Offered Annually.

ART 377 Cr.3
Color Photography
A studio course in which students focus on the conceptual and aesthetic possibilities of color photography. Topics covered will include theory, history, contemporary directions in color photography and advanced digital printing. Students will produce a portfolio of color prints. Prerequisite: ART 372. Offered Annually.

ART 378 Cr.3
Advanced Digital Photography and Imaging
This class will utilize Photoshop to explore the conceptual and practical principles of photography in the digital era. Studio projects will explore creative possibilities of manipulated photographs, the impact of digital technology on contemporary photographic practice, as well as the aesthetic and ethical issues surrounding digitally fabricated images. In class discussions, readings and lectures will address critical issues in contemporary landscape and spatial perceptions, including environmental usage, digital reinterpretations of our surroundings, and the human form. Prerequisite: ART 372. Offered Annually.

ART 379 Cr.1
Applied Photography
Practical experience in applying photographic skills by participating as staff members for university publications. Repeatable for credit - maximum 2. Consent of instructor. Offered Annually.

ART 399 Cr.2
Seminar in Professional Practices and Problems
Reading and discussion pertinent to the professional artist. Course intended to assist students in the final stages of their education to make a successful transition from undergraduate school to graduate program and the professional world of the artist. Prerequisite: ART 162, ART 164, ART 166, ART 252, ART 262; junior standing. Offered Fall, Spring.

ART 401 Cr.3
Methods in Art Education: Elementary to Early Adolescent Learners
This course is offered to Art Education Majors who plan to teach Visual Art and Design in the elementary and middle school art classrooms. Practical and philosophical aspects of teaching art will be emphasized. Current practices and theories of Art Education will be regarded. Students will be able to demonstrate the Wisconsin Visual Art and Design Model Academic Standards in the development of their unit and lesson plans, curriculum, and assessment. Prerequisite: admission to teacher education; declared art education major plan; concurrent enrollment in EDS 351. Offered Spring.

ART 403/503 Cr.3
Methods in Art: Early Adolescence-Adolescence
This course is designed for future art teachers in art and design education from early adolescence to adolescence. The students will consider current practices and theory related to teaching visual art and design in middle school and high school learning environments. They will observe in local classrooms and will analyze effective instructions as they plan delivery systems for their future classrooms. Using the Wisconsin Model Academic Standards, they will plan curriculum including unit and lesson plans as well as effective assessment of student learning. Prerequisite: junior standing. Offered Fall.

ART 405 Cr.3
Advanced Painting
An opportunity for further development of visual language through the medium of paint in an individualized studio environment. The course involves a dedication to ongoing creative work and an increased awareness of contemporary painting discourses. Students focus on issues of conduct and expression through individual projects and research. Lect. 1, Studio 4. Repeatable for credit - maximum 6. Prerequisite: ART 305. Offered Fall, Spring.

ART 408 Cr.3
Advanced Computer Graphic Design
An advanced exploration of design problem-solving. This course approaches the Internet as a design space for visual communication. The aesthetics of Web design and animation are explored through type, image, sound, time, and motion. Lect. 1, Studio 4. Prerequisite: ART 252, ART 308. Offered Fall, Spring.

ART 413/513 Cr.1-3
Independent Study
Concentrated study in any area: art history, art metal, ceramics, design, drawing, painting, printmaking, and sculpture. Open to advanced students who have excellent records in selected areas. Repeatable for credit - maximum 6 for majors, maximum of 4 for non-majors or minors. Prerequisite: junior standing. Consent of instructor. Offered Occasionally.

ART 414 Cr.3
Advanced Sculpture
A studio course providing opportunities for independent work for the advanced student in the area of sculpture. Students are challenged to further develop a personal vision of sculpture through various techniques offered in the studio. These techniques will be based on advanced foundry work, fabrication, and woodworking. Lect. 1, Studio 4. Prerequisite: ART 252, ART 314. Offered Fall, Spring.

ART 415 Cr.3
Art Seminar
Professional problems related to principles of art, art history, and art education research. Prerequisite: ART 106. Consent of instructor. Offered Occasionally.

ART 416 Cr.3
Advanced Ceramics
A studio course with emphasis placed on advanced production techniques including mixed construction methods in pottery. A student's knowledge of clay and glaze composition and kiln design and firing is furthered by an organized approach to technical research. Lect. 1, Studio 4. Repeatable for credit - maximum 6. Prerequisite: ART 252, ART 316. Offered Fall, Spring.
ART 418 Cr.3  
Advanced Printmaking  
In this advanced course, each student will further their knowledge of intaglio and/or lithography by researching both multiple plate printing and simultaneous color printing methods. Concurrently students will apply the technical, historical, theoretical knowledge gained to his/her own areas of content. Lect. 1, Studio 4. Repeatable for credit - maximum 6. Prerequisite: ART 162; ART 218 or ART 318. Consent of instructor. Offered Fall, Spring.

ART 419 Cr.3  
Individual Problems in Printmaking  
In this intensive studio/historical exploration, the student will concentrate on the development of content expressed through the techniques of printmaking. Lect. 1, Studio 4. Repeatable for credit - maximum 6. Prerequisite: ART 418. Consent of instructor. Offered Fall, Spring.

ART 421 Cr.3  
Advanced Metalsmithing  
This studio course will focus on advanced techniques utilized in the creation of jewelry and metal objects. Areas of focus will include the manipulation of sheet metal to create dimension or depth through forming and surface enrichment. Emphasis will be placed on the student's ability to think and resolve design problems through creative use of the techniques learned during the course in the production of assignments. Individual research, design and creative applications are also emphasized. Lect. 1, Studio 4. Repeatable for credit - maximum 6. Prerequisite: ART 321. Offered Fall, Spring.

ART 425 Cr.1-3  
Perspectives in Art  
This course allows the students to explore a specific art media on campus or in the international environment. The course will stress intensive research/creative endeavor. Lect. 1, Studio 4. Repeatable for credit - maximum 9. Prerequisite: ART 162; completion of intro-advanced sequence in a studio media. Consent of instructor. Offered Fall, Winter, Spring, Summer.

ART 431 Cr.2  
Lectures in Art History  
A series of lectures designed to study and analyze the artists and their works within society. Consent of instructor. Offered Occasionally.

ART 450 Cr.3-15  
Internship in Art  
An academic or experientially relevant course in the creative arts, art education, art history and museology. Prerequisite: junior standing with at least a 2.5 overall GPA and a 2.75 GPA in art; at least 22 hours in art including specific course work where applicable. Repeatable for credit — maximum 15. No more than six credits may be applied toward a major in the art department. Pass/Fail grading. Prerequisite: junior standing; at least a 2.50 overall GPA and a 2.75 GPA in art; at least 22 hours in art including specific course work where applicable. Pass/Fail grading. Offered Occasionally.

ART 462 Cr.3  
Advanced Drawing  
A Studio course emphasizing thematic and conceptual growth in drawing with self-directed and mentored projects. Students will explore, examine and develop a concept in drawing by analyzing and integrating contemporary drawings practices. Utilizing the expertise and experience gained in studio media, student will experiment in alternative drawing media to seek connections among various studio practices including installation and performance. Lect. 1, Studio 4. Repeatable for credit - maximum 6. Prerequisite: ART 362. Offered Annually.

ART 473 Cr.3  
Documentary/Editorial Photography II  
In-depth and specialized investigation of photojournalism. Topics for research and application include ethics and picture editing, illustration, photo essay, editorial assignments for real-world clients. Students produce an extended portfolio. Lect. 2, Lab. 2. Prerequisite: ART 272, ART 276. Offered Occasionally.

ART 475 Cr.1-3  
Perspectives in Art: Photography  
This course allows the student to further explore photography on campus or in an international environment. The course will stress intensive research/creative endeavor. Lect. 1, Studio 4. Repeatable for credit - maximum 9. Prerequisite: 15 credits in the photography area including ART 272 and ART 372. Consent of instructor. Offered Occasionally.

ART 476 Cr.3  
Experimental Photography and Imaging  
This course has been designed to encourage advanced students to experiment with making image techniques. These include image-capture, traditional darkroom methods, non-narrative sequencing, non-silver processes, and surface manipulation of the photograph and of negatives, using the photograph as a sculptural object, collage and many other possibilities beyond the conventional representative photograph. The 'camera' itself will be reexamined by exploring the camera obscura, pinhole photography, cell phones, the scanner as an image generator, and video as legitimate tools for creating photographic images and sequences. Lectures and films will acquaint students with the history and achievements of experimental photography. Prerequisite: ART 172, ART 272. Offered Annually.

ART 499 Cr.1  
Senior Exhibition  
This course will expose the student to the theory and practice of the presentation and exhibition of artwork. The course will culminate in an exhibition of the student's work. Prerequisite: ART 399. Offered Fall, Spring.

Astronomy (AST)  
+ next to a course number indicates a general education course

Courses

+AST/PHY 155 Cr.4  
Solar System Astronomy  
An introduction to astronomy as a science, emphasizing patterns in the night sky, our own solar system, and the possibility of life on other worlds. Throughout the course, comparison of observations with theoretical models will be stressed. Topics studied include the size and scale of the solar system relative to the universe; the scientific method; astronomical observations; motions of the earth, moon, sun, and planets; creating a model of the solar system; what we learn about planets from light and gravity; the structure and formation of the solar system; the planets and their moons; comets, asteroids, and meteoroids; and the possibility of life elsewhere in the universe. Recent results, including those from NASA missions, will be incorporated into the course. Lect. 3, Lab. 2. (Cross-listed with AST, may only earn credit in PHY or AST.) Offered Fall.
AST/PHY 160 Cr.4

Stars, Galaxies and the Universe

An introduction to astronomy as a science, emphasizing celestial objects beyond our solar system. Throughout the course, comparison of observations with theoretical models will be stressed. Topics studied include the size and scale of the universe, using light and gravity to study the cosmos, the sun, the properties of other stars, lives and deaths of stars, star clusters, black holes, the Milky Way galaxy, dark matter, other galaxies, quasars, Big Bang cosmology, dark energy, and gravitational waves. Particular emphasis will be placed on recent discoveries. Lect. 3, Lab. 2. (Cross-listed with AST/PHY; may only earn credit in one department.) Offered Spring.

AST/PHY 362 Cr.3

Astrophysics

The application of principles studied in fundamental or general physics to various areas of astrophysical research. This course will emphasize topics like binary stars, stellar structure and evolution, the solar neutrino problem, white dwarfs, neutron stars, pulsars, the interstellar medium, galaxies and dark matter. Prerequisite: PHY 250, PHY 302; PHY/AST 155 or PHY/AST 160: MTH 310 or concurrent enrollment. (Cross-listed with AST/PHY; may only earn credit in one department.) Offered Alternate Years.

AST/PHY 363 Cr.1

Astrophysics Laboratory

An introduction to current observational techniques in astronomy and astrophysics. Students will learn the basics of planning professional observations, electronic detection, data acquisition and reduction, and analysis of results. Concerns for both imaging and spectroscopy will be incorporated, as well as aspects of multi-wavelength astronomy. Lab. 3. Prerequisite: PHY 104 or PHY 204; MTH 151; PHY/AST 155 or PHY/AST 160. (Cross-listed with AST/PHY; may only earn credit in one department.) Offered Alternate Years.

AST/PHY 450/550 Cr.3-15

Physics and Astronomy Internship

Full- or part-time work experience in a physics or astronomy related position with a public or private agency. Not more than five credits are applicable to a major or three credits to a minor in physics. A written application, departmental acceptance, and appointment of adviser must be completed before registration. Prerequisite: minimum cum GPA of 2.25 (2.50 in physics); PHY 104 or PHY 204 plus 6 credits in physics or astronomy courses above the 204 level; junior standing. (Cross-listed with PHY/AST; may only earn credit in one department.) Consent of department. Offered Occasionally.

AST/PHY 453/553 Cr.1-3

Topics in Physics and Astronomy

Various subjects of interest to specific groups will be on occasion. Specific subtopics will be assigned each time the course is offered. Such titles might include nuclear physics, low temperature physics and the interstellar medium. Repeatable for credit under different subtitles—maximum 12 credits. Prerequisite: PHY 104 or PHY 204; junior standing. (Cross-listed with PHY/AST; may only earn credit in one department.) Offered Fall, Spring, Summer.

AST/PHY 466 Cr.3

Cosmology and the Structure of The Universe

This course will emphasize topics relating to the history of our universe, from the Big Bang to galaxy evolution and the formation of the structures we see today. Students will study the cosmological distance ladder, black holes in galaxies, galaxy clusters, dark matter, the Big Bang model, the inflationary model, and the cosmological constant. The course will also include aspects of special and general relativity relevant to these subjects. Prerequisite: AST 160, PHY 250, PHY 302; MTH 309 or concurrent enrollment; MTH 310 or concurrent enrollment. (Cross-listed with PHY/AST; may only earn credit in one department.) Offered Alternate Years.

AST/PHY 497 Cr.1

Physics and Astronomy Seminar

This seminar series is intended for majors and minors in the department of physics as well as other students interested in physics, engineering and astronomy. It will consist of a series of talks given by visiting scientists and engineers as well as senior research students. The course provides an excellent opportunity to find out about the latest developments in physics, astronomy, and engineering and provides an excellent medium by which students can get to know each other and also their professors. All physics majors and minors are urged to sign up for this seminar each semester of their first year. Repeatable for credit—maximum four credits; a maximum of two credits can be used to satisfy elective requirements. (Cross-listed with PHY/AST; may only earn credit in one department.) Pass/Fail grading. Offered Fall, Spring.

AST/PHY 498 Cr.1-3

Physics and Astronomy Research

Independent work by a student under the supervision of a faculty member. Students can work on a variety of research projects including, but not limited to, the areas of astronomy, condensed matter, computational physics, physics education, low temperature physics, lasers, optics and spectroscopy. Repeatable for credit—maximum nine credits, with permission of department chair. (Cross-listed with PHY/AST, may only earn credit in one department.) Consent of department. Offered Fall, Spring, Summer.

Biology (BIO)

Courses

BIO 102 Cr.3

Contemporary Issues in Biological Sciences

An intra-disciplinary approach to investigating current issues within the biological sciences. Specific topics under the general categories of health, medicine, environment, genetics, and industrial technology will be identified, described and characterized. The science underlying the issue will be explored and the potential impact (past and future) of applied scientific advances within the respective disciplines will be examined in depth. Not applicable to a major or minor in biology. Offered Occasionally.

BIO 103 Cr.4

Introductory Biology

A survey of modern biology. Subjects discussed include ecology, cell biology and genetics. Themes developed through the course are the use of the scientific method and the relationships between society, technology and science. This course is designed as a general education course for non-science or non-allied health majors. Lect. 3, Lab 2. Students cannot earn credit in both BIO 103 and BIO 105. Offered Fall, Spring.
BIO 105 Cr.4

**General Biology**

An introduction to biology including topics in ecology, population biology, nutrient cycling, food webs, cell structure and function, metabolism, photosynthesis, reproduction, genetics, molecular biology and evolution. This course provides a strong foundation for further science courses, and is designed for science majors, allied health majors and students with an interest in science. Lect. 3, Lab. 2. Students cannot earn credit in both BIO 103 and 105. Offered Fall, Spring.

BIO 106 Cr.3

**Nature Study**

A study of the common plants and animals of the area. Lect. 2, Lab. 2. Not applicable to a major or minor in biology. Offered Occasionally.

BIO 202 Cr.2

**Introduction to Biological Data Analysis and Interpretation**

This course is an introduction to the common techniques used by biologists to efficiently and effectively process, interpret, and communicate ideas and information generated in the biological sciences. Students will learn the techniques in a hands-on approach using biological databases. Topics covered in this course will include basic laboratory and field notebook production and use; the use, analysis and interpretation of databases, graphs, tables, charts, and other visual aids used in scientific papers; techniques for digital microscopic image production and analysis. Prerequisite: BIO 103 or BIO 105. Offered Summer, Winter.

BIO 203 Cr.4

**Organismal Biology**

A survey of the diverse form and function of prokaryotes, protists, fungi, plants and animals. Basic ecology, natural history, evolution, biogeography and importance of organisms to humans will be emphasized. Lect. 3, Lab. 3. Prerequisite: BIO 103 or BIO 105 with a grade of C or better. If both BIO 204 and BIO 210 have been completed, BIO 203 cannot be taken for credit. Offered Fall, Spring.

BIO 204 Cr.3

**Plant Biology**

An investigation of the general morphology and life patterns of plants, fungi, algae and bacteria - with emphasis on plants - and inquiry into their economic importance, ecology, evolution, growth and development. The importance of photosynthetic organisms will be a general theme throughout the course. Lect. 2, Lab. 2. Prerequisite: BIO 103 or BIO 105 with a grade of "C" or better. Offered Fall, Spring.

BIO 210 Cr.3

**Animal Biology**

Animal biology is a phylogenetic survey of the animal-like protists and animal kingdom beginning with single celled organisms and ending with vertebrates. Innovation of form and function of each major animal group will be discussed along with their taxonomy, ecology, natural history, distribution, medical and economic importance to humans and natural ecosystems. Lect. 2, Lab. 2. Prerequisite: BIO 203. Offered Fall.

BIO 260 Cr.1-3

**Special Topics in Biology**

Topics in biology of interest to selected groups. Topics will be offered with a specific title. May be staffed by resident faculty or visiting lecturers. Other departments may be invited to participate. Repeatable for credit - maximum 6. Prerequisite: BIO 103 or BIO 105. Offered Occasionally.

BIO 302 Cr.2

**Introductory Plant Identification**

Introduction to the identification of trees, shrubs, and other herbaceous plants of both local native and cultivated species. Field trips required. Lect. 1, Lab. 2. Prerequisite: BIO 203 or BIO 204. Offered Fall - Odd Numbered Years.

BIO 303 Cr.4

**Vertebrate Form and Function**

Anatomy and physiology of the vertebrates with the rat as the basic study animal. Lect. 2, Lab. 4. Prerequisite: BIO 103 or BIO 105. Offered Occasionally.

BIO 306 Cr.4

**Genetics**

A comprehensive study of the basic principles of heredity, including Mendelian and Molecular Genetics. Lect. 3, Lab. 2. Prerequisite: BIO 103 or BIO 105 and a second biology course applicable to the major. Offered Fall, Spring.

BIO 307 Cr.3

**Ecology**

A study of interactions that determine the distribution and abundance of living organisms. The basic principles of ecology are presented in order to develop an understanding of the nature of these interactions at the individual, population and community levels of biological organization. Prerequisite: BIO 203 or BIO 204 and BIO 210. Offered Fall, Spring.

BIO 312 Cr.4

**Human Anatomy and Physiology I**

A comprehensive study of general anatomical and physiological principles of cells, body fluid compartments, the skeletal, muscular, and nervous systems and the special senses. Required elements of the laboratory portion of the course include computer simulations, microscopy, mammal organ dissections and study of cadaver sections. Students who have completed this course, or are currently enrolled, may not register for this course again until after freshmen registration (unless they have instructor/department consent). Lect. 3, Lab. 2. Prerequisite: grade "C" or better in BIO 103/BIO 105 & CHM 103; BIO 203 or BIO 204 and BIO 210; Biology major. Non-Biology majors should contact their advisor for registration instructions. Offered Fall, Spring, Summer.

BIO 313 Cr.4

**Human Anatomy and Physiology II**

A comprehensive study of the cardiovascular, respiratory, digestive, urinary, reproductive and endocrine systems. Required elements of the laboratory portion of this course include computer simulations, microscopy, mammal organ dissections and study of cadaver sections. Lect. 3, Lab. 2. Prerequisite: BIO 312. Students who have completed this course, or who are currently enrolled, may not register for this course again until after freshmen registration (unless they have instructor/department consent). Offered Fall, Spring, Summer.

BIO 315 Cr.4

**Cell Biology**

A comprehensive overview of cell structure and function, including the nature of biomolecules, cellular metabolism and its regulation, the dynamics of membranes and the cytoskeleton, the execution and control of the cell cycle, cell interactions, and cell signaling. Lect. 3, Lab. 3. Prerequisite: BIO 103 or BIO 105; one additional semester of biology; and a minimum of three semesters of chemistry through organic chemistry. Offered Fall, Spring.

BIO 321 Cr.3

**Ornithology**

Field identification and ecology of birds with emphasis on Wisconsin forms. Lect. 2, Lab. 3. Prerequisite: BIO 203 or BIO 210 or BIO 303. Offered Spring.
BIO 330 Cr.3
**Economic Botany**
Plants provide humans with food, feed, fuel, fiber, pharmaceuticals, and other economically important products. This course provides an introduction to domesticated plant varieties and wild plant species and their value in human and domestic animal nutrition, and as energy sources, manufactured materials and drugs. Ethnobotanical interests in wild plant species will also be discussed. Prerequisite: BIO 203 or BIO 204. Offered Alternate Years.

BIO 333 Cr.3
**Radiation Biology**
Applications and effects of nuclear radiation on biological systems. Lect. 2, Lab. 2. Prerequisite: BIO 103 or BIO 105; one additional course in biology; CHM 103. Offered Spring.

BIO 337 Cr.3
**Plant Physiology**
An introduction to plant water relations, mineral nutrition, respiration, photosynthesis, growth, and development with emphasis on the physiology of seed plants. Prerequisite: BIO 203 or BIO 204. Offered Occasionally.

BIO 341 Cr.3
**Limnology**
This course includes fundamentals of aquatic ecology, with special reference to community ecology, Taxonomy, stratification and succession of organisms to be investigated. Energy traffic through aquatic ecosystems will also be investigated. Field trips required. Lect. 2, Lab. 3. Prerequisite: BIO 103 or BIO 105; one additional biology course; one semester of chemistry. Offered Fall.

BIO/CHM/PHY 356 Cr.2
**Curriculum and Assessment in Math and Science**
Student are introduced to state and national content standards and related theories on teaching and learning. They will apply this knowledge to develop a curricular framework. Topics will include: Learning outcomes, student misconceptions, balanced assessment, and lesson planning in the content areas. Prerequisite: declared math or science education major/minor; admission to teacher education. Offered Fall.

BIO 390 Cr.2
**Latin and Greek Roots in Scientific Terminology**
Most scientific terminology comes to us as derived from Latin and Greek words. This course provides a solid background in scientific vocabulary by learning root words, prefixes and suffixes, as well as combinations of two or more root words and prefixes. Does not apply toward biology major or any concentration. Prerequisite: BIO 103 or BIO 105. Offered Fall.

BIO 404/504 Cr.3
**Plant Taxonomy**
Collection, identification, classification, and evolution of the vascular plants with emphasis on local flora. Lect. 1, Lab. 4. Slash course BIO 404/504. Prerequisite: BIO 203 or BIO 204; junior standing. Offered Spring - Odd Numbered Years.

BIO 405/505 Cr.2
**Aquatic and Wetland Vascular Plants**
Identification and collection of vascular plants of aquatic and marsh habitats with emphasis on adaptive morphology and ecology of local species. Field trips required. Lect. 1, Lab. 2. Prerequisite: BIO 203 or BIO 204; junior standing. Offered Fall - Even Numbered Years.

BIO 406/506 Cr.4
**Parasitology**
A survey of the major groups of animal parasites with regard to their taxonomy, morphology, life histories, host-parasite relationships, and economic importance. Lect. 2, Lab 4. Prerequisite: BIO 203 or BIO 210 or BIO 303; junior standing. Offered Fall.

BIO 408/508 Cr.4
**Developmental Biology**
An exploration of the cellular and molecular mechanisms that underlie embryonic development in several model organisms. Topics include fertilization, regulation of gene expression, cell fate determination, stem cells, early pattern formation, morphogenesis of tissues/organs, and limb formation. The course primarily focuses on animal models with an emphasis on evolutionarily conserved processes, structures, and molecular pathways. Technological advances and relevance to human development and disease are highlighted throughout. Lect. 2, Lab. 4. Prerequisite: BIO 203 or BIO 210 or BIO 303; BIO 306 or MIC 416; BIO 315; junior standing. Offered Spring.

BIO 410 Cr.1
**Human Cadaver Dissection**
This supervised cadaver dissection course uses a regional anatomy approach and is designed to improve students’ competency in human gross anatomy. Students will prepare a human cadaver prosection for use in undergraduate anatomy and physiology laboratories. In addition to dissections, students will use computer-based learning projects and literature reviews to enhance their understanding of human anatomy and the historical and current role of cadavers in society. Prerequisite: BIO 312, BIO 313, and BIO 479. Offered Summer.

BIO 412/512 Cr.4
**Mycology**
A survey of all the major groups of fungi of the fungal kingdom (and relatives) in terms of systematics, anatomy, morphology, ecology, physiology, genetics, evolutionary relationships, and human and plant pathology. Laboratory includes microscopic and macroscopic study of the fungi, as well as making a collection of cultures and of fungal reproductive structures (including mushrooms) from selected groups. Lect. 2, Lab. 4. Prerequisite: BIO 203 or BIO 204 or MIC 230 (Both the microbiology course and one of the biology courses are strongly recommended); junior standing. Offered Fall.

BIO 413/513 Cr.3
**Medical Mycology**
A study of the increasing number of medically important fungi, including the yeasts, molds, other fungi, and actinomycetes that are pathogenic to humans and other animals. Emphasis is on laboratory techniques for isolation and identification of pathogenic fungi. Lect. 2, Lab. 2. Prerequisite: BIO 412 or MIC 230; junior standing. Offered Spring.

BIO 414/514 Cr.3
**Freshwater Invertebrate Zoology**
Introduces the ecology and taxonomy of the metazoan, non–parasitic freshwater invertebrates. An extensive course designed to provide a foundation for taxonomic knowledge, and basic understanding of the biology and ecology of freshwater invertebrates for advanced students in aquatic and environmental sciences. Lectures will focus on ecology; labs on taxonomy and quantitative skills. A student reference collection and field trips will be required. Lect. 2, Lab. 2. Prerequisite: BIO 203 or BIO 210 or BIO 341; junior standing. Offered Fall - Even Numbered Years.
BIO 419/519 Cr.3
**Quantitative Methods in Ecology**
An introduction to field and laboratory procedures used by ecologists to describe and analyze the interactions between organisms and their environments. The course will emphasize quantitative techniques, including the use of computer technology, for collecting, recording and interpreting ecological data. Lect. 2, Lab. 2. Prerequisite: BIO 307 or BIO 341; junior standing. Offered Fall.

BIO 421/521 Cr.3
**Comparative Vertebrate Endocrinology**
A comprehensive study of the production, regulation, structure, molecular to whole-body actions, metabolism, and excretion of biochemical signaling molecules across vertebrates with a focus on amphibians, fish, birds, and mammals. Hormone and neurotransmitter pathways will be examined with relationship to evolutionary and environmental influences using lecture, review of primary literature, and case studies. Credit toward the biology major can only be received for this class or BIO 424, not both. Prerequisite: BIO 313 or BIO 458/558; junior standing. Offered Spring.

BIO 422/522 Cr.3
**Ichthyology**
A study of the taxonomy, anatomy, physiology, and ecology of fish, with emphasis on the fresh water fishes. Lect. 2, Lab. 2. Prerequisite: BIO 203 or BIO 210 or BIO 303; junior standing. Offered Fall - Odd Numbered Years.

BIO 424/524 Cr.3
**Human Endocrinology**
A comprehensive study of the production, regulation, structure, molecular to whole body actions, metabolism, and excretion of biochemical signaling molecules in humans. The classical and more recently recognized neurotransmitter and hormone pathways and clinical and pharmacologic considerations of each will be explored using lectures, primary literature, and case studies. Credit toward the biology major can only be received for this class or BIO 421, not both. Prerequisite: BIO 313 or BIO 458/558; junior standing. Offered Fall.

BIO 428/528 Cr.3
**Advanced Nutrition for the Health Professions**
A comprehensive study of nutrition-related diseases and nutrition assessment, evaluation, and management in clinical settings that people working in healthcare may encounter. Prerequisite: BIO 313 or NUT 200; junior standing. Offered Spring.

BIO 429/529 Cr.3
**Plant Anatomy**
A detailed examination of plant structure and development as revealed with the light and electron microscopes. Primarily seed plants will be examined. Structure and development will be studied as a means by which plants cope with their ecology, evolution and function. Lect. 2, Lab. 2. Prerequisite: BIO 203 or BIO 204; junior standing. Offered Occasionally.

BIO/MIC 440/540 Cr.2
**Bioinformatics**
In this course, students will use computers to study and compare the sequence of nucleotides in DNA or RNA, or the amino acids in a protein. Computers are also used to examine the three dimensional structure of protein. Being able to manipulate and study this information is the basis for the current revolution in Biotechnology. Topics include evolution, genomics and understanding disease. This course provides students an opportunity to explore the relationships between biology, microbiology, chemistry and computer science. Lect. 1, Lab 2. Prerequisite: BIO 306 or MIC 416; junior standing. (Cross-listed with BIO/MIC, may only earn credit in one department.) Offered Spring, Winter.

BIO 441/541 Cr.3
**Environmental Toxicology**
The study of the lethal and sublethal effects of chemical contaminants on ecosystems and humans. Topics covered include environmental legislation, chemical distribution and fate in the environment, methods of toxicity testing, assessment of exposure and risk, effects of chemical contaminants on humans, and fish and wildlife populations, communities and ecosystems, and toxicity of specific chemical groups. Prerequisite: BIO 307 or BIO 341; CHM 104; junior standing. Offered Spring - Odd Numbered Years.
BIO/MIC 442/542 Cr.3

Plant Microbe Interactions
This course will explore in depth various ways that plants interact with microbes in the environment, at the macroscopic, cellular, and molecular levels. Case studies will include both parasitic and mutualistic (symbiotic) interactions. Microbes include fungi, bacteria, nematodes, and viruses. Includes plant pathology and studies of the beneficial relationships between plants and microbes. Inquiry based labs are integrated into the lecture and discussion sessions. Lect. 2, Lab 2. Prerequisite: BIO 203 or BIO 204; MIC 230; BIO 306 or MIC 416; junior standing. (Cross-listed with BIO/MIC, may only earn credit in one department.) Offered Spring - Even Numbered Years.

BIO 443/543 Cr.3

Molecular Mechanism of Disease and Drug Action
A survey of the leading non-infectious and non-cancerous diseases in the industrialized world. This course will explore the molecular mechanisms of disease, clinical symptomology, and pharmacological treatment. Students will be expected to conduct thorough research on a given disease and present their results in a poster session. Prerequisite: BIO 306, BIO 313; CHM 300 or CHM 304; junior standing. Offered Spring.

BIO 447/547 Cr.3

Standard Methods/Quality Assurance Water Analyses
This course will instruct students on the use of standard methods for analyses of selected biological, chemical, and physical constituents commonly included in water quality analyses. Quality assurance procedures, including Good Laboratory Practice Standards (GLPS) will be integrated into all activities. Materials covered include: principles of methods used; evaluation of precision, bias, and contamination; proper reporting and interpretation of results; and environmental sources and significance of constituents analyzed. Lect. 1, Lab 4. Prerequisite: BIO 203 or BIO 204 or BIO 210 or BIO 303; three semesters of college chemistry; junior standing. BIO 341 recommended. Offered Spring - Odd Numbered Years.

BIO 448/548 Cr.4

Aquatic Toxicology
A study of the lethal and sublethal effects of chemical contaminants in aquatic systems, specific chemical effects, chemical distribution and fate, and environmental legislation. Procedures for toxicity evaluation, experimental design and statistical analysis will be emphasized in the laboratory. Lect. 3, Lab 2. Prerequisite: four semesters of college biology; three semesters of college chemistry; junior standing. BIO 341 recommended. Offered Occasionally.

BIO 449/549 Cr.3

Advanced Microscopy and Biological Imaging
Principles and techniques used in modern microscopy and biological image analysis. Emphasis will be on student projects to become proficient at confocal, fluorescence, and scanning electron microscopy. Students will also learn specimen preparation, digital imaging, and image processing and analysis for biological applications. Lect. 2, Lab 2. Prerequisite: BIO 315 or MIC 230; junior standing; or by consent of the instructor. Offered Fall - Even Numbered Years.

BIO 450 Cr.1-3

Internship in Biology
An academically relevant field experience in government, industry, business, or community agencies. Students must have their internships approved and be advised by the department. Students must be on their internship worksite during the semester for which they are registered for academic credit. Credits earned will count only toward university electives and not toward the completion of any major or minor unless listed. Repeatable for credit - maximum 8. Pass/Fail grading. Offered Fall, Spring, Summer.

BIO 456/556 Cr.4

Plant Ecology
Conservation biology, ecological restoration, and predicting the effects of climate change all require an understanding of plant ecology. This course is focused on the interactions among plants, other organisms, and the environment. We will work across the individual, population, and community levels, and emphasize an exploratory approach to plant ecology. Class activities will include lectures, the discussion of ecological journal articles, and carrying out student-designed experiments. Prerequisite: BIO 307 or BIO 341; junior standing. Offered Fall - Even Numbered Years.

BIO 458/558 Cr.3

Comparative Animal Physiology
This course provides a thorough understanding of animal physiology from a comparative perspective. Emphasis will be placed on the basic physiological principles by which animals perform their life sustaining functions. Discussion will focus on vertebrates, but will span both invertebrate and vertebrate models to illustrate how largely divergent groups have evolved different (or similar) mechanisms to cope with their specific environmental challenges. Class activities will include lectures and discussion of physiological journal articles. Prerequisite: BIO 203 or BIO 210; junior standing. Offered Fall.

BIO 460/560 Cr.1-4

Symposium in Biology
Studies in biology of interest to specific groups. Varying topics will be offered at intervals with a specific title assigned to each. May be staffed by resident faculty or visiting lecturers. Other departments may be invited to participate. Repeatable for credit - maximum 16. Variable offerings - check registration schedules. Prerequisite: four semesters of biology; junior standing. Offered Occasionally.

BIO 463/563 Cr.3

Aquatic Animal Health
The study of pathogens of aquatic animals, including fish, shellfish, crustaceans, amphibians, waterfowl and mammals. Sections on nutrition and toxicology are included. Emphasis is on laboratory techniques for isolation and identification of pathogenic bacteria, viruses and parasites. Field trips required. Lect. 2, Lab 3. Prerequisite: BIO 103 or BIO 105; BIO 203 or BIO 210 or BIO 303; CHM 103; junior standing. MIC 230 strongly recommended. Offered Occasionally.

BIO 464/564 Cr.3

Stream and Watershed Ecology
An introduction to key concepts and theory pertinent to understanding and managing fluvial ecosystems (rivers and streams) and their watersheds. The course emphasizes rivers as large-scale physical and biological systems. Course work includes a comparative case study of distinctive types of temperate, tropical, and polar rivers. Prerequisite: BIO 307 or BIO 341; junior standing. Offered Spring.

BIO 465/565 Cr.3

Neurophysiology
An examination of the nervous system beginning at the cellular level and working up to neuronal systems. Topics covered include the ionic basis of membrane potentials, synaptic communication, organization of functional circuits of neurons, and systems within the brain and/or spinal cord which control learning and memory, vision and motor function. Exploration of these fundamental neurophysiology topics from the basis for understanding a variety of student-selected topics which will be covered later in the semester. Late-semester topics often include higher-order aspects of brain function or challenges to the nervous system, such as the repair of brain or spinal cord injury, degenerative disease states, dyslexia, or gender differences. BIO 467 is an optional laboratory course which can be taken concurrently. Prerequisite: BIO 312; junior standing. Offered Spring.
BIO 465 or concurrent enrollment; junior standing. Offered Spring - Odd Numbered Years.

BIO 466/566 Cr.3
Human Molecular Genetics
A study of the basic principles of heredity in humans. Focus will be on modern molecular techniques used in isolating human disease genes and modes of inheritance of human traits and disorders. Ethical issues in human genetics will also be discussed. Prerequisite: BIO 306; junior standing. Offered Fall.

BIO 467/567 Cr.2
Neurobiology Laboratory Techniques
An introduction to common laboratory techniques in neurobiology, including electrophysiology with invertebrate preparations, mammalian neuronal cell culture, and computational modeling. Students will receive training in techniques while performing classical experiments, then design their own novel experiments and carry them out. Prerequisite: BIO 312; BIO 465 or concurrent enrollment; junior standing. Offered Spring - Odd Numbered Years.

BIO 468/568 Cr.1
Human Molecular Genetics Lab
A study of the techniques used in doing research in human molecular genetics with a focus on commonly used model organisms in the study of human genetic disorders. Laboratory emphasis is on phenotype analysis, library screening, DNA microarray analysis, gene mapping, and bioinformatics. This lab is optional for those enrolled in BIO 466/566. Lab 3. Prerequisite: BIO 306; BIO 466 concurrently; junior standing. Offered Fall.

BIO/CHM/PHY 469 Cr.4
Teaching and Learning Science in the Secondary School
This course will be integrated with a field experience. In the context of a real classroom, teacher candidates will learn how to plan for and assess student learning in science. With a focus on content knowledge, teacher candidates will plan a variety of meaningful learning experiences, assess student learning, and monitor and modify instruction to best support the individual learners in the classroom. The teacher candidate will design, enact, and assess activities that advance student understanding to more complex levels. Teacher candidates will gain experience in monitoring the obstacles and barriers that some students or groups of students face in school and learn how to design learning experiences to support all learners. Prerequisite: GEO 200; EDS 351. Offered Fall, Spring.

BIO 473/573 Cr.3
Marine Biology
Marine biology is an interdisciplinary field that includes elements of geology, physics, chemistry and biology. Students will gain an introduction to how biological organisms vary with changing physical, geological and chemical conditions found in marine ecosystems. Emphasis will be placed on current conservation concerns and marine invertebrate diversity. Prerequisite: BIO 203; CHM 103; junior standing. Offered Spring - Odd Numbered Years.

BIO 476/576 Cr.3
Ecosystem Ecology
Ecosystems include the living and non-living components of an environmental system and have emergent properties that can only be understood by examining the system as a whole. This course will examine advanced ecological topics centered around the structure and function of aquatic and terrestrial ecosystems. Topics covered will include the development of the ecosystem concept, ecosystem succession, production/decomposition, energy transfer in food webs, and nutrient cycling. The course will consist of classroom lectures, problem sets, and reading/discussion of relevant literature. Prerequisite: BIO 307; one semester of chemistry; junior standing. Offered Spring - Even Numbered Years.

BIO 479 Cr.1
Biology Teaching Assistant
An opportunity to assist in the preparation and/or instruction of a biology course. Working with a faculty members, students may be expected to assist in the development and preparation of course materials, course instruction and student assessment. Departmental option for pass/fail or letter grade. Repeatable for credit - maximum 2. Consent of instructor. Pass/Fail grading. Offered Fall, Spring, Summer.

BIO 489 Cr.1
Independent Study in Biology
A directed reading project or job shadowing experience within the discipline but outside that offered through regularly scheduled courses. Under the direction of the supervising faculty member (and in coordination with mentoring professional for job shadowing experience). A written report is an expected outcome. Repeatable for credit - maximum 2. Consent of department. Offered Fall, Spring, Summer.

BIO 490/590 Cr.1-3
Current Topics in Biology Education
Biological researchers produce new discoveries almost daily. The purpose of this course is to train K-12 pre-service and in-service teachers in the current technologies and theories used in biology and to demonstrate the current approaches to teaching these materials. Repeatable for credit under different topics. Not applicable to a major or minor in biology, except for teacher certification major. Prerequisite: junior standing. Pass/Fail grading. Offered Fall.

BIO 491 Cr.1
Capstone Seminar in Biology
A seminar-style course designed for students to review and discuss basic concepts necessary for a career in the biological sciences and to assess their major in biology. This course will cover basic concepts of resume and cover letter writing, quantitative skills, computer literacy and current topics in biology. Students are expected to actively participate in an assessment of their major, and participate in discussions on major issues and developments in the biological sciences. Students will present a seminar on a contemporary biological topic incorporating primary literature. Prerequisite: senior standing. Offered Fall, Spring.

BIO 495 Cr.1-3
Service Learning in Biology
Students will plan, implement, and reflect on community service projects that will allow them to apply, enhance, and share what they have learned in a specific area of focus (such as aquatic science, nutrition, etc.) in cooperation with one or more community partners. The student’s university advisor(s) and the participating community partner(s) will provide constructive evaluation of the project and student reflections throughout the experience. The student will provide formal written and oral communications to the advising faculty and community partner(s) regarding the outcomes of the service project. Repeatable for credit - maximum 3. Prerequisite: junior standing. Offered Fall, Spring, Summer.

BIO 499 Cr.1-6
Independent Research
Individual research projects. Open to advanced students. Students may enroll for 1-3 credits per semester for a maximum of 6 credits. A maximum of two credits can be applied to the major in biology. Prerequisite: four semesters of biology and the completion of a consent form signed by the project director. Consent of instructor. Offered Fall, Spring, Summer.

Business Administration (BUS)
Courses

BUS 205 Cr.3
The Legal & Ethical Environment of Business
This course introduces students to ethical theory and decision-making models, as well as the legal framework in which American business operates, the substantive legal rules that govern American business domestically and internationally, and the ethical and social responsibility implications of business conduct within the legal environment. Governmental efforts to regulate business activity by statute and administrative agency rules and decisions are emphasized. Prerequisite: ENG 110 or ENG 112; sophomore standing; CBA major program or business administration minor. Offered Fall, Spring.

BUS 230 Cr.3
Business and Economics Research and Communication
The study of the scientific method as used in business and economics research, beginning with the identification of the problem and culminating in the final report. Analysis of the reliability and validity of data, effectiveness of presentation, and a critical study of the validity of conclusions. Prerequisite: ENG 110 or ENG 112; MTH 145; CBA major program or CLS economics major program. Offered Fall, Spring.

BUS 240 Cr.3
Introduction to International Business
The course serves as an introduction to the field of international business and relates it to both the functional areas of business and to the basic disciplines which define the international environment. Within this frame of reference, the course focuses on the problems and opportunities which arise when firms conduct business abroad. Offered Occasionally.

BUS 305 Cr.3
Business Law
Introduces the common law subjects of contracts, agency and torts; the Uniform Commercial Code’s treatment of sales contracts; and criminal law issues relevant to management decision-making. Prerequisite: BUS 205; admission to business. Offered Fall, Spring.

BUS 310 Cr.3
Principles of Sustainable Business
This course lays a foundation on the relationships between social, environmental and business systems. Challenges to existing business theory will embrace a new ecological perspective of business that includes an introduction to complexity theory, systems thinking, evolutionary economics and biomimicry. The specific topics of the triple-bottom-line, full-cost accounting, green marketing, human rights and social equity are explored within the context of local and global ecosystems and a broadened mission for ‘sustainable’ business in the 21st century. Prerequisite: admission to business. Offered Annually.

BUS 350 Cr.1
Career Preparation
This course prepares students to change from the academic environment to the professional environment. Topics include self-assessment, preparing for interviews, written and oral communication in a career search, electronic resources, and graduate school opportunities. Prerequisite: admission to business. Pass/Fail grading. Offered Fall, Spring.

BUS 400 Cr.1
Foreign Study Tour
This course and accompanying tour will give students an opportunity to gain an in-depth knowledge of a foreign city and/or region. The class will prepare students for international travel in general, and for the experience of visiting selected cities/areas. The specific cities/areas to be visited may vary by semester and by professor. Students are encouraged to meet with prospective professors/leaders early so that the students’ interests will best be served. Notes: 1) class is open only to those students participating in the class/tour which will generally be for two weeks and commencement at the end of the regular semester; 2) students who enroll in the class/tour will be asked to make a non-refundable deposit prior to the beginning of the semester. Prerequisite: MGT 308; FIN 355; MKT 309; admission to business. To be taken concurrently with INS 226. Consent of instructor. Offered Occasionally.

BUS 405 Cr.3
The Law of International Business Transactions
Examines the legal problems that arise when business activities and organizations cross national boundaries and become multinational in structure, operation, and scope. Specific attention is paid to the legal effects of international business decisions; doing business in market, non-market and developing nations; the movement of goods, people and information across national borders; protection of intellectual property, international dispute resolution; international contracts; and the extra-territoriality of U.S. law. Prerequisite: BUS 205; admission to business. Offered Fall.

BUS 415 Cr.3
Current Topics in Law
Examination of current legal problems as they relate to business. Prerequisite: admission to business. Offered Occasionally.

BUS 450 Cr.3
Business Sustainability Capstone
This capstone course will act as a culmination of the Sustainability Minor in Business. By the time students complete this last course in the minor, they will have developed not only a deep exposure to the 'content' of sustainable business, but also a great deal of firsthand experience with the very tools and procedures that breathe factual 'life' into that content, including the triple-bottom-line, full-cost accounting, externals, and ecological footprint audits. Speakers from and field trips to businesses engaging in sustainability practices will also be a part of this course. Open only to minors in sustainable business. Prerequisite: BUS 310; MGT 408; six additional credits applicable to the sustainable business minor. Offered Annually.

Chemistry (CHM)

Courses

+ next to a course number indicates a general education course

CHM 100 Cr.4
Contemporary Chemistry
A survey course focusing on applied chemistry. Fundamental chemistry and science concepts are developed and then used to study applications of this science to technology in society. Emphasis is placed on selected topics that are current. Course is not applicable to a major or minor in chemistry and does not meet the prerequisite requirement of any other chemistry course. Lect. 3, Lab 2. Offered Fall.
+CHM 103 Cr.5  
**General Chemistry I**  
An introduction to chemistry including topics in atomic structure, chemical bonding, molecular structure, chemical stoichiometry, reactivity, states of matter, solutions, acid-base theory, and nuclear chemistry, and also including selected topics in descriptive and applied chemistry. Scientific inquiry, experimental design and data analysis are included. Lect. 3, Lab 3, Disc. 1. Prerequisite: MTH 150 or placement into MTH 151 or higher. Offered Fall, Spring, Summer.

CHM 104 Cr.5  
**General Chemistry II**  
The second half of the two-semester sequence in general chemistry. The course provides an introduction to the topics of chemical kinetics, equilibria in the gas and solution phases, acid-base chemistry, solubility, thermochemistry, and electrochemistry. The laboratory portion of the course serves to reinforce and demonstrate the above concepts through experimentation. Lect. 3, Lab. 3, Disc. 1. Prerequisite: grade of “C” or better in CHM 103. Offered Fall, Spring.

CHM 231 Cr.4  
**Fundamentals of Inorganic Chemistry**  
A foundational course in inorganic chemistry intended to provide exposure to and understanding of the composition, structure, bonding properties and reactivity of inorganic compounds, and basic laboratory techniques and practice commonly applied to inorganic compounds. Prerequisite: grade of "C" or better in CHM 104. Offered Fall.

CHM 250 Cr.3  
**Introduction to Organic and Biochemistry**  
A survey course focusing on basic organic and biochemistry with applications to chemical processes in human and other living systems. Course is not applicable to a major or minor in chemistry and does not meet the prerequisite requirement of any other chemistry course. Prerequisite: grade of "C" or better in CHM 103. Students with credit in CHM 300 or CHM 325 cannot earn credit in CHM 250. Offered Spring.

CHM 271 Cr.1  
**The Chemical Community**  
A sophomore level course for chemistry and biochemistry majors that exposes students to scientific communication (writing, speaking, presenting), the chemical literature and how to search it, potential careers in chemistry and career preparation, student opportunities such as internships and undergraduate research, and current and historical topics in chemistry including ethics in science. Students are expected to participate in discussions and complete various writing and presentation assignments. Prerequisite: CHM 104; sophomore standing; chemistry or biochemistry major. Offered Fall.

CHM 300 Cr.5  
**Survey of Organic Chemistry**  
A study of the properties, reactions, and uses of the major classes of organic compounds. Theories to relate the structure of organic molecules to their chemical reactions is presented as a unifying principle. Applications of organic chemistry to the life sciences and to environmental problems are emphasized. A terminal organic chemistry course recommended for students in the allied health sciences when only one semester of organic chemistry is required. Lect. 3, Lab 4. Course is not applicable to a major in chemistry. CHM 300 does not satisfy the prerequisite requirement for CHM 304. Prerequisite: CHM 104; sophomore standing. Students with credit in CHM 300 cannot earn credit in CHM 300. Offered Fall, Spring.

CHM 301 Cr.5  
**Analytical Chemistry**  
Theory and practice of selected methods of chemical analysis. Titrimetric, potentiometric, spectrophotometric and gas chromatographic methods of analysis are studied. Statistical treatment of data and techniques for quality assurance are also developed. The basic science component of the course is primarily directed towards ionic equilibria. Lect. 3, Lab 6. Prerequisite: CHM 104; sophomore standing. Offered Fall, Spring.

CHM 303 Cr.3  
**Organic Chemistry Theory I**  
A study of the structure, methods of structure determination, stereochemistry and chemical behavior of hydrocarbons, alcohols, and halogenated hydrocarbons. Theories and mechanisms are introduced to explain chemical behavior. Prerequisite: CHM 104; sophomore standing. Students with credit in CHM 300 cannot earn credit in CHM 303. Offered Fall, Spring.

CHM 304 Cr.3  
**Organic Chemistry Theory II**  
A study of organic synthesis, common functional groups, carbanions, reaction mechanisms, lipids, carbohydrates, proteins and polymers. Prerequisite: CHM 303. Offered Fall, Spring.

CHM 305 Cr.2  
**Organic Chemistry Laboratory**  
An introduction to common laboratory practices in organic chemistry. Experiments are designed to illustrate synthetic and separation techniques. Organic qualitative analysis is included. Lab 6. Prerequisite: CHM 304 or concurrent registration. Students with credit in CHM 300 cannot earn credit in CHM 305. Offered Fall, Spring.

CHM 309 Cr.3  
**Physical Chemistry Theory I**  
A study of real gases, equations of state, kinetic and molecular theory, properties of gases, molecular energies, classical thermodynamics, chemical equilibria, changes of state and reaction kinetics and mechanisms. Prerequisite: CHM 104; PHY 103 or PHY 203; PHY 104 or PHY 204; MTH 310 or concurrent enrollment. Offered Fall.

CHM 310 Cr.3  
**Physical Chemistry Theory II**  
Quantum mechanics, atomic and molecular spectroscopy, molecular structure, lasers, statistical thermodynamics, and other special topics are covered in this course. Prerequisite: CHM 309. Offered Spring.

CHM 313 Cr.3  
**Physical Chemistry Laboratory**  
A lecture and laboratory course designed to teach, illustrate, and strengthen basic concepts in experimental physical chemistry. Topics include thermodynamics, kinetics, introductory spectroscopy, computational chemistry, and statistical error analysis. Students will be exposed to current techniques and equipment used in investigating physical chemistry questions, and will design and implement an independent project of their choosing. A significant emphasis is placed on the development of excellence in both oral and written scientific communication. Lect. 1, Lab 6. Prerequisite: CHM 309. Offered Fall, Spring.
CHM 314 Cr.2
Advanced Physical Chemistry Laboratory
A lecture and laboratory course designed to teach, illustrate, and strengthen concepts in the physical aspects of experimental and computational physical chemistry. Topics may include infrared and UV/visible absorption spectroscopies, fluorescence spectroscopy, NMR spectroscopy, computational modeling of potential energy surfaces, chemical properties, molecular structures, and advanced topics in thermodynamics and kinetics. Students will be exposed to a selection of current experimental techniques, equipment, and basic programming skills, and will have the opportunity to design and implement extensions to selected experiments. A significant emphasis is placed on the development of excellence in both oral and written scientific communication. Lect. 1, Lab 3. Prerequisite: CHM 313, CHM 310 or concurrent enrollment. Offered Occasionally.

CHM 320 Cr.1-3
Practicum in Chemistry
A course designed for and adapted to the specific needs of select groups having specific interests in the applications of techniques and/or theories of chemistry, i.e., educational professionals, chemical technicians, medical technologists, etc. Lecture and laboratory will be adapted to the topic being taught. May be repeated for credit when different topic is presented. Prerequisite: to be determined - based on topic offered. Course is not applicable to a major in chemistry. Offered Occasionally.

CHM 325 Cr.4
Fundamental Biochemistry
A survey of chemical processes in biological systems emphasizing the structure, function, and interactions of proteins, nucleic acids, carbohydrates, lipids, the regulation of cellular processes, and a description of certain clinical disorders. Lect. 3, Lab 3. Prerequisite: CHM 300 or CHM 304. Students with credit in CHM 417 cannot earn credit in CHM 325. Offered Fall, Spring.

CHM 330 Cr.3
Industrial Chemistry
An overview of both the scientific and commercial aspects of the chemical industry. Industrially important chemical processes will be discussed. Topics will include production and end use of basic inorganic chemicals of commercial importance, industrial gases, and petroleum-based products. The economics of various chemical processes will be presented. Global and local topics such as regulatory compliance, product liability, and patent/secret documentation may also be discussed. Prerequisite: CHM 300 or CHM 304. Offered Spring - Even Numbered Years.

CHM 351 Cr.2
Radiochemistry
A study of the decay of radioactive elements, detection of radiation, methods of analysis and applications such as neutron activation and radioactive dating. Lect. 2, Lab 2. Prerequisite: three semesters of chemistry courses. Students with credit in CHM 461 cannot earn credit in CHM 361. Offered Occasionally.

CHM 403 Cr.3
Advanced Organic Chemistry
Advanced topics in Organic Chemistry, including reaction mechanisms, molecular orbital theory, conservation of orbital symmetry, pericyclic reactions, photochemistry, aromaticity, stereochemistry, kinetics, isotope effects, linear free energy relationships, hard-soft acid-base theory, and selected examples of recent advances in synthetic Organic Chemistry. Prerequisite: CHM 304. Offered Fall - Even Numbered Years.

CHM 405 Cr.3
Advanced Synthesis Laboratory
Synthesis, characterization and separation techniques are applied to organic and inorganic compounds. Applications of nuclear magnetic resonance, gas chromatography, mass spectrometry and computerized searching of the chemical literature are included. Independent projects with multi-step syntheses are assigned to students. Lect. 1, Lab 6. Prerequisite: CHM 304 and CHM 305; junior standing. Offered Alternate Years.

CHM 407 Cr.3
Biophysical Chemistry
A study of the physical principles that drive the structure and behaviors of biological molecules. Topics include the relationship between the properties of biomolecular building blocks and macromolecular structure; application of different physical models (thermodynamic, quantum mechanical, statistical mechanical) to macromolecular structure and behavior; application of physical techniques (spectroscopy, calorimetry, etc.) to the characterization of macromolecular structure and behavior. Prerequisite: CHM 417 or CHM 325; MTH 207; MTH 208 or MTH 265 or concurrent enrollment; PHY 103 or PHY 203; PHY 104 or PHY 204. Offered Spring.

CHM 412/512 Cr.3
Environmental Chemistry
This course examines the role of chemistry in shaping our environment, including atmospheric, aqueous, and terrestrial components. Students learn how fundamental chemical principles are applied to complex real systems in order to characterize environmental behavior and aid in prediction and decision making. Specific topics explored include climate change, ozone depletion, smog formation, water quality and treatment, energy policy, and the fate/transport of pollutants. Prerequisite: CHM 301; junior standing. Offered Spring.

CHM 417/517 Cr.4
Biochemistry I: Macromolecules
A study of the structure and function of biological macromolecules with special emphasis on proteins. Topics include protein folding, protein-ligand interactions, protein function, and membrane structure and function. The laboratory focuses on contemporary biochemical techniques including quantitative biochemical assays, ligand binding, protein purification, and enzyme function. Lect 3, Lab 3. Prerequisite: “C” or better in CHM 300 or CHM 304; junior standing; BIO 315 or MIC 425 recommended. Students with credit in CHM 325 cannot earn credit in CHM 417. Offered Fall.

CHM 418/518 Cr.3
Biochemistry II
A continuation of the study of enzymes, nucleic acids, and other chemical components of biological systems emphasizing catabolic and anabolic processes. Laboratory emphasizes protein purification and characterization. Lect. 2, Lab 3. Prerequisite: CHM 417; junior standing. Offered Spring.
**CHM 419/519 Cr.2**

**Advanced Biochemistry Lab**
A laboratory course using biochemical and biophysical techniques to study biomolecular structure and function. The course will review current primary literature with special emphasis on the collection and interpretation of experimental data. Lab 6. Prerequisite: "C" or better in CHM 417; concurrent enrollment in CHM 418; junior standing. Offered Spring.

**CHM 421/521 Cr.1-3**

**Advanced Topics in Chemistry**
An advanced topic in chemistry based on appropriate prior work in physical chemistry, organic chemistry, inorganic chemistry, and analytical chemistry. Lecture and laboratory will be adapted to the topic being taught. May be repeated for credit when different topic is presented. Repeatable for credit - no maximum. Prerequisite: determined based on topic offered and will include a minimum of three semesters of chemistry courses; junior standing. Offered Occasionally.

**CHM 422/522 Cr.3**

**Polymer Chemistry**
A study of synthetic high molecular weight materials of practical application in industry or of theoretical interest in chemistry. Representative polymer systems are examined with respect to the effect of molecular weight, weight distribution, and structure on physical properties. The choice of monomeric starting materials and mechanisms of polymerization are examined in detail. Methods of characterizing macromolecules are surveyed. Lect. 2, Lab 2. Prerequisite: CHM 304; junior standing. CHM 309 highly recommended. Offered Occasionally.

**CHM 424/524 Cr.3**

**Spectroscopy**
A survey of important spectroscopic methods used in chemistry; infrared and ultraviolet, proton and carbon-13 NMR, and mass spectrometry. Theory and practice of techniques are covered. Emphasis is placed on structure determination of organic molecules. Analysis of dynamic systems and mixtures may also be covered. Lect. 2, Lab 3. Prerequisite: CHM 300 or CHM 304; junior standing. Offered Spring - Even Numbered Years.

**CHM 431/531 Cr.3**

**Advanced Inorganic Chemistry**
An advanced course in inorganic chemistry building upon foundations presented in CHM 231, intended to highlight a more advanced theoretical treatment of inorganic compounds and reactions and applications of inorganic chemistry principles to catalysis, functional materials, and biological systems. Prerequisite: CHM 231; CHM 310 or concurrent enrollment; junior standing. Offered Spring - Odd Numbered Years.

**CHM 441/541 Cr.4**

**Instrumental Analysis**
A study of the theory and principles of chemical instrumentation including the application of basic electronics, spectroscopy, separation science and electroanalytical methods of chemical analysis. Lect. 3, Lab 3. Prerequisite: CHM 301; junior standing. Offered Fall.

**CHM 461/561 Cr.4**

**Nuclear Chemistry**
A study of the decay of radioactive nuclides with emphasis on the theory of nuclear decay. Laboratory will include the study of the detection of radiation, methods of radio analysis and the safe handling of unsealed radioactive sources. Lect. 3, Lab 3. Prerequisite: four semesters of chemistry courses; junior standing. Students with credit in CHM 361 cannot earn credit in CHM 461. Offered Spring.

**BIO/CHM/PHY 469 Cr.4**

**Teaching and Learning Science in the Secondary School**
This course will be integrated with a field experience. In the context of a real classroom, teacher candidates will learn how to plan for and assess student learning in science. With a focus on content knowledge, teacher candidates will plan a variety of meaningful learning experiences, assess student learning, and monitor and modify instruction to best support the individual learners in the classroom. The teacher candidate will design, enact, and assess activities that advance student understanding to more complex levels. Teacher candidates will gain experience in monitoring the obstacles and barriers that some students or groups of students face in school and learn how to design learning experiences to support all learners. Prerequisite: GEO 200; EDS 351. Offered Fall, Spring.

**CHM 471 Cr.1**

**Capstone in Chemistry and Biochemistry**
A senior level course designed for chemistry and biochemistry majors that focuses on recent issues in the chemical sciences and supports the departmental assessment plan. Students will present a seminar on a contemporary chemical topic that incorporates the primary literature. Students are expected to actively participate in discussions and critique the scientific seminars. In addition, students will be engaged in the assessment of their majors. Prerequisite: CHM 271; senior standing; chemistry or biochemistry major. Offered Spring.

**CHM 487 Cr.1**

**Capstone in Chemistry and Biochemistry**
A senior level course designed for chemistry and biochemistry majors that focuses on recent issues in the chemical sciences and supports the departmental assessment plan. Students will present a seminar on a contemporary chemical topic that incorporates the primary literature. Students are expected to actively participate in discussions and critique the scientific seminars. In addition, students will be engaged in the assessment of their majors. Prerequisite: CHM 271; senior standing; chemistry or biochemistry major. Offered Spring.

**CHM 485 Cr.1-2**

**Research**
Research laboratory research under the direction and supervision of a member of the chemistry faculty. Activities related to chemistry other than those normally considered chemistry research. Repeatable for credit - maximum 2. Consent of department. Offered Fall, Spring, Summer.

**CHM 499 Cr.1-2**

**Independent Study**
Independent study under the direction and supervision of a member of the chemistry faculty. Activities related to chemistry other than those normally considered chemistry research. Repeatable for credit - maximum 2. Consent of department. Offered Fall, Spring, Summer.

**Child/Youth Care (CYC)**

**Courses**

**CYC 301 Cr.3**

**Overview of Child and Youth Care**
As the overview course in the child and youth care minor, the class addresses current issues in the field of child and youth intervention. Taking a multidisciplinary approach, students will explore factors that place children and youth at risk. The class also provides a preliminary investigation of systems theory, program design, interventions, and advocacy. Prerequisite: grade of "B" or better in PSY 210 or PSY 212 and fewer than 75 credits overall. Offered Fall.
**CYC 310 Cr.3**

**Social Policy for Children and Families**
This course is designed to examine current and proposed child and family policies. Specifically, the goals of the course are to enhance students’ understanding of (a) the basics of child and family development and the complex nature of childhood risk and resilience; (b) current policies and safety net programs, particularly in the areas of child protection and family strengthening, their evolution over time, and their strengths and weaknesses; (c) recent reform efforts and new directions in policy; and (d) building community connections. Prerequisite: CYC 301; PSY 210 or PSY 212. Offered Annually.

**CYC 411 Cr.3**

**Family Systems Theory**
This course focuses on the study of the family as a system. Students will examine developmental stages, life cycle patterns, and family interactions using a systems framework. The application of family systems theory to at-risk families will be discussed. Prerequisite: CYC 301; PSY 210 or PSY 212. Offered Annually.

**CYC 450 Cr.1-6**

**Internship in Child/Youth Care**
An academically relevant field experience for students in the Child/Youth Care Emphasis. The internship must be at an approved site with substantial time devoted to work with children or adolescents at risk. The internship will be arranged through Career Services and supervised by a child/youth care emphasis affiliated faculty member. Repeatable for credit - maximum 6. Prerequisite: CYC 301; junior standing; 2.25 cumulative grade point average. Consent of instructor. Pass/Fail grading. Offered Fall, Spring, Summer.

**CYC 495 Cr.3**

**Capstone in Child/Youth Care**
This course is designed to review and unify basic concepts regarding the care of children and youth, particularly those considered ‘at-risk’. Particular emphasis will be on the multi-level factors that impact the well being of children and youth, ethics and legal issues, diversity, and program assessment. A systems approach for understanding the vulnerable or at-risk youth will provide a broad framework and the course will be taught from a problem-based learning perspective. Prerequisite: CYC 301; junior standing; a minimum of 18 credits of the child youth care course work completed. Offered Spring.

**Chinese (CHI)**

+ next to a course number indicates a general education course

**Courses**

**CHI 101 Cr.4**

**Elementary Chinese I**
The first of two introductory courses in Chinese. The five language skills: listening, speaking, writing, reading and culture are introduced. Offered Fall.

+CHI 102 Cr.4

**Elementary Chinese II**
The second introductory course in Chinese comprehension, speaking, writing, reading, and culture. Prerequisite: CHI 101 or placement. Offered Spring.

+CHI 201 Cr.4

**Intermediate Chinese I**
The first of two intermediate-level Chinese courses. Students continue to develop all language skills with special emphasis placed on refining speaking and listening comprehension. Prerequisite: CHI 102 or placement. Offered Fall.

+CHI 202 Cr.4

**Intermediate Chinese II**
The second of two intermediate-level Chinese courses. Students continue to develop all language skills with special emphasis placed on refining reading and writing in Chinese. Prerequisite: CHI 201 or placement. Offered Spring.

**CHI 301 Cr.3**

**Advanced Chinese**
This is a Chinese language course for intermediate level learners who have completed CHI 202 or equivalent. Its aim is to help students continue to develop communicative competence in the four skills of listening, speaking, reading, and writing the Chinese language. While linguistic aspects of the Chinese language are the primary focus, introduction to the social and cultural background of the language will also form an important part of the course. Prerequisite: CHI 202 or equivalent. Offered Fall.

+CHI 305 Cr.3

**Introduction to Modern Chinese Literature**
This course provides a general survey of the most important Chinese writers of the 20th century and their works. Literary works are discussed in their social, cultural, and historical contexts. Taught in English and based entirely on translated texts, the course is ideal for students with little or no Chinese background who are nevertheless drawn to one of the most vibrant literary cultures in the world. Offered Spring - Even Numbered Years.

**CHI 315 Cr.3**

**Business Chinese**
This course is aimed to enhance students' language skills in a business context and to promote their understanding of culture and the business environment in contemporary China. Intensive practice in oral comprehension, speaking, writing, utilizing special, topical vocabulary related to international commerce and interaction in a variety of business settings. Prerequisite: CHI 202 or equivalent. Offered Fall - Even Numbered Years.

+CHI 320 Cr.3

**Introduction to Chinese Civilization**
This is a survey course covering the development of Chinese civilization from the beginnings to the 20th century. It introduces the evolution and continuities of this ancient culture seen through the lens of philosophy, religion, ritual, social relations, institutions, and achievements. This course is taught in English for students who want a basic appreciation of this important non-Western culture. No experience with the Chinese language or culture is required. Offered Spring - Odd Numbered Years.

**CHI 398 Cr.1-3**

**Directed Studies**
Individual reading and investigations in advanced Chinese study. Course materials will vary according to the needs and interests of students. Repeatable for credit - maximum 6. Prerequisite: CHI 202 or equivalent. Offered Occasionally.

**Clinical Laboratory Science (CLI)**
Courses

CLI 120 Cr.1
Introduction to Clinical Laboratory Science
An introductory course designed for students who are interested in a profession in clinical laboratory science. The course will introduce the students to the technical and clinical functions of the profession as well as to the professional aspects of clinical laboratory science. An introduction to the profession, basic laboratory math, medical terminology, and diagnostic tests evaluated in the clinical laboratory will be discussed. Students will develop an understanding for the critical role clinical laboratory scientists play in the health care arena. Seven-week course. Offered Spring.

CLI 395 Cr.2
Uroanalysis and Body Fluids
This course introduces the formation, distribution, and function of urine and other nonblood body fluids. Instruction in the handling and analysis of these fluids will be given based on their chemical, physical, and cellular composition in health and disease. The laboratory focuses on performing and interpreting results from the clinical laboratory procedures performed in the lab. Lect. 1, Lab 2. Prerequisite: admission to clinical lab science program. Offered Spring, Summer.

CLI 410 Cr.3
Clinical Hematology
Introductory course in hematology which examines normal hematologic physiology, cellular development, and hemostasis in the human. Introduction to pathophysiology, with emphasis on clinical and laboratory evaluation of hematologic status. Theory and background of laboratory procedures used in the diagnosis and treatment of hematologic and other diseases are included. Emphasis is on peripheral blood cell morphology, hematopoiesis, maturation, and kinetics. Pathophysiology of hematologic disorders, including anemias and hematologic malignancies are explored. Manual laboratory techniques as well as instrumentation will be included in the laboratory portion. Complete blood counts, correlation of automated and manual differentials and routine coagulation testing also will be performed. Lect. 2, Lab 2. Prerequisite: admission to clinical lab science program. Offered Fall.

CLI 420 Cr.3
Immunohematology
Course covers the general aspects of the Blood Group System, red cell types and group systems, antibody screening, compatibility testing, blood donor service, selection of donors, blood drawing, storage, and preservation, components, records, and regulations for blood banks. The laboratory section includes performance of blood bank procedures, donor processing, compatibility testing, component preparation, antibody screening, and antibody identification. Lect. 4, Lab 6. Prerequisite: admission to clinical lab science program. Offered Summer.

CLI 440/540 Cr.1
Clinical Parasitology
Course covers important parasites of humans including zoonoses, emerging parasitic diseases. Life cycles, clinical features and infective diagnostic stages will be included in the lecture component. The laboratory will include demonstrations and diagnostic procedures. This course will provide the necessary pre-clinical competencies required for advancement to the clinical education component of the Clinical Laboratory Science Program. Prerequisite: admission to clinical lab science (B.S.) or the clinical microbiology M.S. program or consent of the instructor; MIC 230. Not open to students who have earned credit in BIO 406/506. Offered Spring.

CLI 450 Cr.6
Clinical Chemistry
This course focuses on chemical analysis performed in the clinical laboratory. The correlation between the organ systems, the clinical laboratory procedures, and human disease states is presented. Discussion of areas unique to clinical chemistry laboratory related to evaluation and validity of test results is emphasized. Laboratory rotation applies the principles of clinical chemistry and their relationship to the performance of analytical procedures and management of the clinical chemistry laboratory. Six-week rotation. Prerequisite: admission to clinical lab science program; acceptance to a hospital NAACLS accredited clinical lab science program. Offered Fall.

CLI 455 Cr.6
Clinical Hematology/Hemostasis
Course extends concepts and skills learned in CLI 395 and CLI 410. Advanced theory in hematology to include abnormal and malignant processes, applications of flow cytometry and special stains, the diagnosis of classification of leukemias, troubleshooting instrumentation and interpretation of scatterplots. Hemostasis concepts, selection of appropriate tests and interpretation of results and diagnosis of coagulation disorder as well as advanced body fluid morphology will be covered. Students will gain experience processing and analyzing patient specimens with a wide variety of complex procedures as well as instrumentation. Students will also expand their identification and diagnostic skills on microscopic analysis of hematology and body fluid specimens. Six-week rotation. Prerequisite: admission to clinical lab science program; CLI 395 and CLI 410; acceptance to a hospital NAACLS accredited clinical lab science program. Offered Fall.

CLI 460 Cr.6
Clinical Immunohematology
Course extends concepts and skills acquired in CLI 420. Performance and interpretative skills in ABO and Rh typing, antibody detection and identification techniques, hemolytic disease problems, quality assurance management, solving patient’s blood compatibility problems, histocompatibility techniques and selection of appropriate blood products for various bleeding disorders will be expanded. Six-week rotation. Prerequisite: admission to clinical lab science program; CLI 420; acceptance into a hospital NAACLS accredited clinical lab science program. Offered Spring.

CLI 461 Cr.1
Capstone in Clinical Laboratory Science
The course covers topics of current interest in the field such as emerging infectious diseases and testing, new concepts in instrumentation, and evolution of new tests from basic research to clinical application. Students also will learn and practice basic skills such as resume and cover letter writing. Students will participate in curriculum selection for part of this class to help them prepare for pre-clinical competency exams at their hospital sites. Prerequisite: acceptance to an internship site; senior standing; clinical lab science major. Offered Summer.

CLI 465 Cr.2
Clinical Immunology
Course in the application of immunologic and serologic techniques used for the specific diagnosis of immunodeficiency diseases, malignancies of the immune system, autoimmune disorders, hypersensitivity states and infection by specific microbial pathogens. Laboratory rotation applies concepts from lecture. Experience is gained in clinical immunological techniques, methods, and management of antigen-antibody reactions and identification of the relationship to disease states. The rotation also includes the fundamentals of HLA testing and Flow Cytometry techniques with interpretation of results. Two-week rotation. Prerequisite: admission to clinical lab science program; acceptance into a hospital NAACLS accredited clinical lab science program. Offered Fall, Summer.
Courses

CST 110 Cr.3
Communicating Effectively
This course introduces students to major topic areas in communication while encouraging them to become more competent and culturally sensitive communicators. Students will develop speaking, relational and listening skills as they are exposed to the communication areas of interpersonal, group/teams and public contexts. This course will help students become more effective and ethical communicators in a highly diverse society. Offered Fall, Spring.

CST 190 Cr.3
Introduction to Communication Studies
An introduction to the professional study of communication, including detailed exploration of factors involved in the communication process, effects of media on the communication process, and the importance of the communication process in interpersonal, small group, organizational, and intercultural contexts. Prerequisite: CST 110. Offered Annually.

CST 210 Cr.3
Presentational Speaking
This course is designed to enhance students’ abilities in developing, delivering, and evaluating oral informative and persuasive presentations. In doing so, the focus of theoretical discussion and practical application will be on the use of audience analysis in adapting to presentational situations, source material in developing oral messages, effective organizational designs, oral rather than written language style, advanced presentional aids including media technology, enhanced vocal and physical presentional skills, and appropriate criteria for evaluation. Prerequisite: CST 110. Offered Fall.

CST 215 Cr.3
Influence, Advocacy and Social Responsibility
We use communication to influence one another: advocacy is persuasive communication. Persuasive communication is an essential agent of change in human culture, especially in democratic, capitalistic societies. This course reviews essential strategies of persuasive messages and engages participants in service learning opportunities to advocate for change using those strategies. It establishes basic principles of ethical persuasive communication and investigates the responsibilities of both senders and receivers to evaluate persuasive messages for effectiveness, adherence to ethical principles of persuasion, and aesthetic quality. Prerequisite: CST 110. Offered Fall.

CST 230 Cr.3
Interpersonal Communication
A study of communication in relatively unstructured situations, such as in conversation, on the job, in peer groups, in relationships, and in the family. Students participate in activities designed to enhance communicative awareness and skills in interpersonal contexts. Factors such as gender, culture, and ethnic origin are considered. Prerequisite: CST 110. Offered Annually.

CST 260 Cr.3
Professional Communication
This course is an introduction to professional communication. The course focuses on developing communication skills and learning communication principles important to an organizational setting. Students will improve essential verbal and nonverbal communicative skills that are needed to succeed in their careers. While studying organizational processes, students will enhance their abilities to plan and deliver professional informative and persuasive messages. Students will also learn how to conduct effective training sessions and how to use current presentational software and technology. Prerequisite: CST 110. Offered Annually.
CST 270 Cr.3  
**Broadcast Announcing**  
An examination of broadcast communication principles and effective announcing techniques. Laboratory and broadcast experiences designed to cultivate announcing skills and to lead to the development of an effective on-air personality. Offered Spring - Odd Numbered Years.

+CST 271 Cr.3  
**Contemporary Media in Everyday Life**  
This course offers an opportunity to explore contemporary media and their economic, social, political, and cultural implications in everyday life. This course will increase awareness of the motivations of media coverage, media effects on social and cultural change as well as on audience attitudes, the importance of social and cultural issues created or sustained by the media, and the necessity of a critical attitude while consuming media messages. Offered Fall, Spring.

CST 273 Cr.1-3  
**Applied Audio**  
Practical experiences in developing audio presentation and production skills as staff members of the student radio station, RAQ Racquet Radio, or WLSU-FM radio. Repeatable for credit - maximum three. This will be an arranged class. Pass/Fail grading. Offered Annually.

CST 274 Cr.3  
**Television Production**  
Theory and practice of television including basic program types, equipment and staff organization, studio procedures, and production problems. Lect. 2, Studio 2. Offered Fall, Spring.

CST 275 Cr.1-3  
**Applied Television**  
Practical experience in developing skills in television programming as staff members of WMCM-TV. Repeatable for elective credit - maximum three. This will be an arranged class. Pass/Fail grading. Offered Fall, Spring.

CST 301 Cr.3  
**Theories of Communication**  
A survey of theories used in the field of Communication Studies. Consideration is given to theories that explain communication behavior in interpersonal, group, public, media, intercultural, and gendered contexts. The role of theory in research is examined through the development of a theory driven review and synthesis of communication literature. Prerequisite: CST 190; 6 additional credits in communication studies (excluding CST 110). Offered Annually.

CST 310 Cr.3  
**Debate**  
An introductory course covering the concepts, formats and strategies of debating. Emphasis is on the development of personal skills of argumentation. Prerequisite: CST 110. Offered Occasionally.

CST 315 Cr.3  
**Communication Criticism**  
Communication criticism, a fundamental practice in communication studies, describes, explains and evaluates why messages succeed or fail in achieving their intended purposes. Participants learn to conduct systematic analysis of persuasive messages to describe their key elements: language, organization, content, persuasive communication strategies, visual images, and choice of medium. Analysis is used to explain why particular elements were used in adapting messages to intended audiences and specific cultural contexts of those messages. Participants apply various qualitative methods of communication criticism to significant cultural discourse, such as speeches, commercials, public service announcements, and Web pages to evaluate messages for effectiveness, ethical acceptability, cultural impact, and aesthetic value. Prerequisite: CST 190. Offered Spring.

CST 330 Cr.3  
**Nonverbal Communication**  
This course is designed to explore the various dimensions of nonverbal communication in human interaction. Students will learn and practice nonverbal communication skills (e.g., interview, decipher, examine research on the functions of nonverbal communication (e.g., expressing emotions, sending relational messages), and explore how the different nonverbal cues (e.g., touch, eye behavior) affect human communication. Prerequisite: CST 190. Offered Occasionally.

CST 332 Cr.3  
**Intercultural Communication**  
The primary objective of this course is to provide an overview of the study of cultures and their effects on communication. Cultural, socio-cultural, psychocultural and environmental influences will be explored in terms of how they affect the communication process. Communication behavior (both verbal and nonverbal) will be examined to determine its role in other cultures. Students will learn to communicate more competently with people from other cultures and ethnic groups. Prerequisite: CST 190 or CST 230 or TSL 300. Offered Occasionally.

CST 333 Cr.3  
**Lying and Deception in Human Interaction**  
An in-depth exploration of the pervasive communicative phenomenon of deception and lying. This course explores the varieties of deceptive communication and their causes and consequences in a wide range of contexts, including romantic relationships, cyberspace, criminal justice, advertising, mass media, and politics. Particular attention will be given to opportunities and pitfalls in identifying potentially deceptive behavior. Prerequisite: CST 190 or permission of instructor. Offered Occasionally.

CST 334 Cr.3  
**Family Communication**  
Provides an investigation of how communication relates to all aspects of family life, including such areas as marriage types, power and intimacy in the marital relationship, changes in the marital roles, myths and metaphors of the family, and the transformation of the 'typical' American family. Prerequisite: CST 190 and CST 230. Offered Fall, Spring.

CST 335 Cr.3  
**Communication and Race**  
Human understanding of ethnicity and race is established, maintained, and changed by communication. Therefore this course uses a communication perspective to examine interpersonal and mediated messages about race. From the perspective of communication studies, ethnicity and race are continuously defined, interpreted, and acted out as we communicate with one another on a daily basis in all contexts. This course introduces students to communication research on ethnicity, race and other aspects of identity such as gender and class. This course also provides exposure to related research in other disciplines. Prerequisite: completion of at least 9 credits in communication studies courses excluding CST 110. Offered Occasionally.
CST 338 Cr.3
Sexuality and Romance in Media
This course examines the role of print and electronic media in constructing and/or reinforcing unrealistic mythic and stereotypic images and ideals of sex, love, and romance and the impact of these portrayals on men, women, and children. Multidisciplinary research and theory provide the basis for the focus on practical applications. Students will attempt to identify mass media myths and unrealistic portrayals. Prerequisite: CST 230 or WGS 100. Offered Occasionally.

CST 350 Cr.3
Organizational Communication
Analysis of traditional and contemporary theories of communication in the context of modern complex organizations. Emphasis is placed on how communication serves to create and recreate formal and informal organizational structures. Particular attention is paid to the theoretical approaches to organizational communication that can be used to describe, analyze, and offer solutions to organizational problems. Prerequisite: CST 190; CST 260. Offered Fall, Spring.

CST 351 Cr.3
Interviewing: Principles and Processes
This course is designed to enhance understanding of and participation in a range of interviews that occur in our society. Students will increase their proficiency by participating in interviews, both as interviewers and interviewees. Emphasis is placed on learning effective communication skills and practicing important communication principles inherent in the following forms of interviews: employment (including portfolio presentation), performance review, information gathering, persuasive, and probing. Students will also learn how to critically examine interview behaviors. Prerequisite: CST 190 or CST 230 or CST 260; declared communication studies major or minor. Offered Fall.

CST 354 Cr.3
Health Communication
This course provides students with basic knowledge and skills essential for communicating in the health and medical professions. Topics include the role of interpersonal, group, organizational, and intercultural communication in health care, ethical and legal aspects of health communication, and communication strategies for encouraging patient/client compliance and working with special needs patients. Prerequisite: CST 110. Offered Fall.

CST 355 Cr.3
Diversity and Organizational Communication
This course will explore how issues of diversity such as race, ethnicity, physical and mental ability, sexual orientation, gender, socioeconomic background, age, religion and veteran status impact communication in modern organizations. As organizational life becomes increasingly complex, it is vital to understand how diversity affects relationships at work with superiors, subordinates, coworkers, and the organization’s customers or clients. Diversity will be treated not only as a potential site for communication challenges and misunderstandings, but also as an opportunity to enrich organizational culture, organizational decision making, and overall employee job satisfaction. Prerequisite: CST 190. Offered Occasionally.

CST 360 Cr.3
Public Relations
An introductory study of the field of public relations, dealing with the effect of public opinion on an organization and its actions, the various publics of an organization, and the channels of communication used in current public relations practices. Prerequisite: CST 190. Offered Occasionally.

CST 365 Cr.3
Communication in Teams
In this course, students will study group and team communication theories and processes by observing and participating in teams. As team members, students will apply communication theory to enhance their effectiveness as team members and leaders. Prerequisite: CST 110. Not open for credit to students who have completed or are enrolled in PSY 343 or SOC 334. Offered Annually.

CST 370 Cr.3
Broadcast Media Writing
A laboratory course in the preparation and presentation of news and continuity programs for the electronic media. Consideration of and practice in writing interviews, documentaries, newscasts, commercials, public service announcements, and dramatic programs. Planning and preparation of special audio and visual materials. Prerequisite: ENG 110 or ENG 112. Offered Fall.

CST 371 Cr.3
Audience Research
An introduction to the subject of making decisions about media. The selection and use of media to fulfill marketing objectives and strategy as well as audience studies to describe appeals of the various media to the public; readership and listenership. A discussion of studies to predict audience behavior. Offered Occasionally.

CST 372 Cr.3
Audio Workshop
Specialized work in news, public affairs, special events, programming, and operations on student radio station, RAQ Racquet Radio, or WLSU-FM. Students will work in the area of their choice, refining skills in practical daily radio station operation. Offered Occasionally.

CST 374 Cr.1-3
Television Workshop
Specialized work in television, emphasizing experience for students in the roles of producer, writer, and executive producer for WMCM-TV. Students gain experience in producing, writing, and reporting news stories, newscasts and news features. They produce and write scripts for sports features, promotions, as well as interview and talk programs that are broadcast on WMCM-TV. In the laboratory environment, assignments are directed toward providing students with the abilities needed in producing/writing for programs in a typical broadcast facility. Ethical considerations are emphasized in the editorial decision-making process. Lect. 1-3, Studio 2-6. Offered Fall, Spring.

CST 376 Cr.3
Remote Video Operations
This course is an introduction to remote video production. It is designed to give the student a theoretical and practical background in on-location productions and basic computer editing techniques. Remote productions may consist of news packages, sports highlights, a mini-documentary, and on-location interviews. Offered Fall - Odd Numbered Years.

CST 378 Cr.3
Computer Mediated Communication
This course is an overview of computer-mediated communication (CMC) and new media technologies, exploring the characteristics of CMC and its technology together with its effects on the process and dynamics of human communication and society. The dynamics of CMC will be explored including its relationships to a variety of communication contexts, including interpersonal, organizational, small group, broadcasting, and public discourse. Students will engage in introductory hands-on Web production and CMC exercises and read critical essays about Internet culture and theories of CMC. Prerequisite: CST 190. Offered Annually.
CST 380 Cr.3
Communicating Leadership
An in-depth exploration of the communicative phenomenon of leadership. Theories and research methods used by noted communication and leadership scholars will be discussed and critiqued. Topics covered may include notions of leadership and organizations as places of leadership. Additional topics will focus on leaders as communicators, creators and sustainers of organizational culture, decision makers, change agents, and facilitators. Prerequisite: CST 190. Offered Annually.

CST 391 Cr.1-3
Practical Applications in Communication Studies
Registration for CST 391 requires approval from a CST faculty member willing to be the instructor of record. Students must complete coursework with the faculty member and ensure academic application to the experience. Provides opportunity for individual applied activities and projects that entail intensive use of developed communication skills and/or specialized knowledge based on communication coursework. Must be supervised by a CST faculty member. Repeatable for credit maximum 3. Prerequisite: communication studies major or minor, completion of at least 9 credits of communication studies courses above CST 110. Consent of instructor. Pass/Fail grading. Offered Annually.

CST 392 Cr.1-3
Public Speaking Center Practicum
This course is designed to offer training and supervision for Public Speaking Center peer consultants. The course will include an overview of research and theory on communication centers, a review of public speaking best practices, and examination of strategies for facilitating consultations with various client populations. Based on readings, classroom application exercises, and discussions, peer consultants will develop skills in facilitating one-on-one consultations, providing constructive criticism, and guiding student-speakers through meaningful revision. Students who repeat the course will engage more deeply with the content and be expected to take on leadership roles. Prerequisite: CST 110. To enroll, students must submit an application and complete an interview. Selection is competitive. See FAQs on the Public Speaking Center website. Consent of department. Pass/Fail grading. Offered Fall, Spring.

CST 399 Cr.1-3
Independent Study in Communication Studies
Directed individual communication studies project under the supervision of a communication studies faculty member. May be a performance-oriented project or a research-based project to bring about a focused scholarly outcome. Project must include a final report as determined through consultation with supervising faculty. Project must be approved and supervised by a department faculty member and have prior consent of the executive committee of the department. Repeatable for credit maximum 3. Prerequisite: communication studies major or minor; completion of at least 12 credits of communication studies courses above CST 110; junior standing. Consent of department. Offered Annually.

CST 410 Cr.3
Advocacy and Argumentation
Examines elements and strategies of argumentation. Focuses on evidence, reasoning, refutation, fallacies, strategies, and methods of argument analysis. Practice in individual and group argumentation, including parliamentary procedure. Prerequisite: junior standing. Offered Spring.

CST 412 Cr.3
Advocacy and Persuasion
Contemporary theory and research in persuasion. Includes focus on persuasive strategies, appeals, audience adaptation, and ethics across different communication contexts. Prerequisite: CST 190; junior standing. Offered Fall.

CST 413 Cr.3
Advocacy and Persuasive Campaigns
Contemporary theory and research in persuasion with a special focus on campaigns. Students will apply course material while organizing and implementing a persuasive campaign. This course examines the nature, role, and processes of communication campaigns and movements. Prerequisite: CST 190; junior standing. Offered Occasionally.

CST 415 Cr.3
Advanced Topics in Advocacy and Communication Criticism
Participants apply methods of communication criticism to significant examples of persuasive cultural discourse in order to identify and describe their persuasive strategies, explain why those strategies were used, and evaluate their effects, ethical acceptability, cultural impact and aesthetic value. Methods applied and types of persuasive cultural discourse analyzed vary depending on instructor’s and participants’ interests. Participants conduct research projects using selected qualitative critical methods and write critical research reports about specific examples of the type of persuasive cultural discourse selected. Prerequisite: CST 190; junior standing. Offered Fall - Odd Numbered Years.

CST 419 Cr.3
Communication, Media and Identity
Mass media frequently represents and perpetuates stereotypes of social groups. When we are isolated from groups different from ourselves, we tend to define these groups by how they are represented in mass media. To some extent, we also define ourselves in relation to mass media representations of groups with which we identify. Communication among individuals and social groups is influenced by mass media’s representations of social groups. This course facilitates critical examination of social stereotypes perpetuated by mass media and investigation of the effects of these stereotypes on communication in various social contexts. Prerequisite: CST 190. Offered Occasionally.

CST 430 Cr.3
Advanced Topics in Interpersonal Communication
An in-depth exploration of interpersonal communication theories and applications in particular relational contexts such as family, friendships, intimate relationships, and work relationships. Theories and research methods used by noted interpersonal communication scholars will be discussed and critiqued. Topics covered may include attraction, relationship development and dissolution, relationship maintenance, dysfunctional relationships, intimacy, and friendship. Prerequisite: CST 190, CST 230, and at least one of the following 300 level courses: CST 330, CST 332, CST 333, CST 334, CST 336 or CST 338; junior standing. Offered Fall, Spring.
CST 450 Cr.1-6  
**Internship in Communication Studies**  
An academically relevant work experience focusing on career development through professional contexts. Students pursue practical applications of course work in government, public or social service, public relations, business, industry, or related areas. A written report assessing the internship experience in relation to the student's academic preparation is required. Credit depends on the demands and complexity and the duration of the work that the student performs. Each student must work with an appropriate faculty supervisor in his/her selected emphasis area. Prior consent of an appropriate faculty supervisor, and prior departmental approval of the internship. Students and faculty supervisors are responsible for submitting internship proposals for departmental approval prior to registration. Contact the department for information about the approval and registration process. Repeatable for credit - maximum 6. Prerequisite: senior communication studies major; 24 completed credits in communication studies. Consent of department. Pass/Fail grading. Offered Annually.

CST 452 Cr.3  
**Contemporary Approaches to Organizational Communication**  
This course is an investigation of state-of-the-art theoretical approaches to understanding organizational communication. Particular attention is paid to how changes in our metaphorical understanding of organizations transform the nature of both communicating in organizations and the organizing process. The impact of new technologies on organizational communication is also considered. Students will learn how to use multiple perspectives to enhance their understanding of organizational communication. Prerequisite: CST 350. Offered Annually.

CST 460 Cr.3  
**Plan/Implementing/Evaluation Public Relations Campaign**  
This course examines the nature, role and processes of public relations. Research, planning, and evaluation will be used to implement a public relations campaigns. Teams of students will plan and implement a complete public relations campaign for an organization or company. Prerequisite: CST 360. Offered Occasionally.

CST 471 Cr.3  
**Broadcast and Digital Media Management**  
A study of the operation and management functions of the broadcast media. Special emphasis on the problematic situations confronted by managers of the various departments within the broadcast industry. Prerequisite: CST 190 or CST 275. Offered Spring.

CST 474 Cr.3  
**Advanced Video Production**  
The advanced theories and practices in video communications are studied. Students carry out advanced creative problems in video production and direction. The preparation, production, and evaluation of various program styles are examined. Lect. 2, Studio 2. Prerequisite: CST 274 or CST 374. Offered Spring - Even Numbered Years.

CST 480 Cr.3  
**Broadcast Media and Modern Society**  
This course is designed to explore the interrelationships which exist between the telecommunication media and the diverse facets of modern society; to examine the rights, responsibilities and characteristics of the media and the media practitioner, as well as the characteristics and responsibilities of the audience and of the society. Prerequisite: CST 271; junior standing. Offered Occasionally.

CST 491 Cr.3  
**Special Topics in Communication Studies**  
Study in a selected area of communication studies. Varying topics will be offered at intervals, with a specific title assigned to each. For current content and credit assignment, consult the instructor or department chair. Course prerequisites vary by topics. Repeatable for credit - maximum 9. Offered Occasionally.

CST 498 Cr.3  
**Research Methods in Communication**  
Examines research methods for answering communication research questions in all communication studies emphases. Investigates qualitative, quantitative, and critical approaches, as well as underlying assumptions of all communication research. Prerequisite: grade of "C" or better in CST 301; completion of at least 12 additional credits of communication studies courses; official acceptance to the communication studies major (no minors). Offered Fall, Spring.

CST 499 Cr.3  
**Senior Project in Communication Studies**  
Either an individual investigation of a specific research question resulting in a formal written research report and its oral presentation to the faculty, or an individual applied production project accompanied by a formal written record of the production process and its oral presentation to the faculty. In addition to the course instructor each student must work with an appropriate faculty mentor in his/her selected emphasis area. Prerequisite: grade of "C" or better in CST 498; completion of at least 24 credits of communication studies courses; official acceptance to the communication studies major (no minors). Offered Fall, Spring.

**Community Health Education (CHE)**

+ next to a course number indicates a general education course

**Courses**

+CHE 200 Cr.3

**Public Health for the Educated Citizen**  
This course introduces the context and scope of public health from historical, modern, and postmodern perspectives. Historical perspective will be used to explain the philosophical foundations, ethics, methods, and essential services that make up public health. Modern perspectives will be used to explain the nature of controlling communicable diseases, lengthening lives, and the emergence of new challenges. A postmodern perspective will be used to explore persistent health disparities, social determinants of health, and public health in an era of globalization. Participants will be challenged to consider their role in public health as citizens and/or professionals in a free society. Offered Fall, Spring, Summer.

CHE 204 Cr.3  
**Introduction to Global Health**  
This course introduces participants to global health through its history, definition, determinants, and development as a field of study. The interconnection between health problems in developed and developing countries and the interdisciplinary approach necessary to understand and address health problems and issues will be emphasized. The participant will develop a basic understanding of the methods used to assess population health, understand the current and future distribution of health, and be able to discuss why some populations are healthier than others and what can be done to reduce health disparities. Offered Fall, Spring.
Computational Science (CMP)

Courses

CMP 390 Cr.3
Survey of Computational Science
This course will survey the computational and mathematical tools and techniques currently being applied to problems in the sciences. Specific problems drawn from biology, chemistry, meteorology and physics will be explored in detail. Computational tools such as Mathematica, Explorer and PVM will be introduced and used to solve problems. In addition to small projects, students will be required to complete a larger project selected from their major discipline. Prerequisite: CS 120, CS 220; MTH 207. Offered Occasionally.
Computational Thinking (CT)

+ next to a course number indicates a general education course

Courses

+CT 100 Cr.3
Introduction to Computational Thinking

Computational thinking represents a universally applicable collection of concepts and techniques borrowed from computer scientists. This course is designed to teach how to think algorithmically; to examine the ways that the world’s information is encoded and how this impacts our lives; to explore the capabilities and limitations of computers from the past, the present and the future; to apply software design diagrammatic techniques to model real-world systems; to learn how the rules of logic apply to computation, reasoning and discourse; to examine how computers both enhance and constrain our lives; to explore many of the problem solving strategies used by software developers and how they are useful to you.

Computer Science (CS)

+ next to a course number indicates a general education course

Courses

+CS 101 Cr.4
Introduction to Computing

Computers and computer software are an integral part of modern society. This course explores this relationship. Students will examine the computer as a problem-solving tool through the use of database, spreadsheets and small scale programming. Students will examine the computer as a communication tool through the use of word processing and the Internet. Other topics include the history and future of computer technology, computer hardware basics, man/machine relationships, applications of computers in various disciplines, and social/ethical issues.

Credits earned in CS 101 cannot be applied to the CS major or minor.

Offered Occasionally.

CS 103 Cr.1
Elementary Database Principles and Design

An introduction to the design and implementation of relational databases. Design concepts will include entity-relationship modeling, relational table structure, keys, foreign keys, referential integrity, and data quality. Implementation concepts will emphasize extracting information through queries, reports, and forms.

Seven-week course. Prerequisite: course not open to those who have completed CS 101. Offered Occasionally.

CS 104 Cr.1
Elementary Spreadsheet Principles and Design

An introduction to the design and implementation of spreadsheets. Design principles will include cell content, use of functions and formulas, relative and absolute addressing, and formatting. Modern spreadsheet software will be used to implement the spreadsheets, with an emphasis on presenting numeric data in an organized manner. Seven-week course. Offered Occasionally.

+CS 120 Cr.4
Software Design I

An introduction to the fundamentals of software development; including software classes, objects, inheritance, polymorphism, logic, selection control, repetition control, subprograms, parameter passage, and rudimentary software engineering techniques. Students complete numerous programming projects using a modern programming language.

Prerequisite: MTH 151 or MTH 175 or math placement test scores at or above MTH 151. Offered Fall, Spring.

CS 202 Cr.3
Introduction to Web Design

This course is an introduction to Web page design and website management. Students will be introduced to browser/server interaction, Web page design, techniques for creating media rich graphical interfaces, and ethical considerations regarding intellectual property rights and security. Students will receive hands-on experience in a variety of standardized Web technologies to develop dynamic, functional, and appealing Web pages.

Prerequisite: CT 100 or CS 120 or familiarity with some programming language. Offered Occasionally.

CS 220 Cr.4
Software Design II

This is a second course in the design of programs. Emphasis is placed on data abstraction and its application in design. Definitions of abstract data types are examined. The following structures are examined as methods for implementing data abstractions: recursion, sets, stacks, queues, strings, and various linked lists. Students will be expected to write several programs using these techniques in a modern programming language.

Prerequisite: CS 120; concurrent enrollment in CS 225 recommended. Offered Fall, Spring.

CS 224 Cr.1-3
Introduction to Programming Language

This course presents the syntax and semantics of a particular programming language. Different offerings of the course will present different languages. Students are expected to be fluent in another programming language prior to enrollment. Prerequisite: a prior computer science course appropriate to the language being offered. Repeatable for credit - maximum 6. (Each repeat must be for a different language.) Offered Occasionally.

CS 225 Cr.3
Discrete Computational Structures

An introduction to mathematical reasoning and proof with an emphasis on its role in computation and software development. Course topics include mathematical logic, set theory, relations and functions, induction and recursion, equivalence relations, partial orders, lattices and other algebraic structures. Prerequisite: CS 120; MTH 151; concurrent enrollment in CS 220; declared computer science major or minor. Course not open to those who have completed MTH 225. Offered Fall, Spring.
CS 270 Cr.3  
**Assembler Programming and Introduction to Computer Organization**  
Programming in machine and assembler language is integrated with an introduction to the organization of computer hardware. An examination of the instruction set merges with descriptions of the related hardware devices. Laboratory assignments include the construction of software, as well as hardware, units. Topics include basic instruction types, data representation, addressing modes, combinational circuit design, flip-flops, registers, the ALU, computer memory, and interrupt handling. Prerequisite: CS 120; CS 225 or MTH 225. Offered Fall, Spring.

CS 340 Cr.3  
**Software Design III: Abstract Data Types**  
An extensive survey of data structures and associated algorithms. An introduction to algorithm efficiency measures is included as a tool for deciding among alternate algorithms. Topics include: searching and sorting in arrays, hash tables, tree traversal and search algorithms, expression evaluation and graphs. Prerequisite: CS 220; CS 225 or MTH 225. Offered Fall, Spring.

CS 341 Cr.3  
**Software Design IV: Software Engineering**  
A study of methodologies for the development of reliable software systems. Several specification, design, and testing techniques are surveyed with an emphasis on one particular formal specification and formal design technique. Students work in teams, applying these techniques to the development of a medium scale (2000-5000 lines) software product. Prerequisite: CS 340. Offered Fall, Spring.

CS 342 Cr.3  
**Software Testing Techniques**  
As the size and complexity of software projects have grown, so has the importance of ensuring program correctness. This course examines the issues of program testing, validation, and verification. Course projects require students to construct test data and to analyze the correctness of several software systems. Prerequisite: CS 340. Offered Spring - Odd Numbered Years.

CS 351 Cr.3  
**Simulation**  
Programming computers to play games and imitate activities of systems such as drive-in facilities, checkout lanes, and computer operations. Topics include tests of goodness of fit, random number generators, simulated sampling, queuing theory, analysis of systems to be simulated, construction and validation of simulation programs, and interpretation of results. Prerequisite: CS 220; MTH 207. Offered Occasionally.

CS 352 Cr.3  
**Computer Graphics and Scientific Visualization**  
An introduction to the fundamentals of computer graphics and its application to Scientific Visualization. Topics include basic drawing algorithms, geometric transformation, Open GL, surface shaders, procedural shading, lighting models, photorealistic rendering, scene graphs, surface meshes and GPGPU computing. Prerequisites: CS 340 and MTH 207. Prerequisite: CS 340; MTH 207. Offered Spring - Odd Numbered Years.

CS 353 Cr.3  
**Analysis of Algorithm Complexity**  
An in-depth analysis of the computational complexity of a wide range of algorithms for problems of fundamental importance to computer science. Algorithms to be examined include: sorting, pattern matching and various graph algorithms. Prerequisite: CS 340; MTH 207. Offered Fall - Even Numbered Years.

CS 364 Cr.3  
**Introduction to Database Management Systems**  
Introduction to the design and organization of database management systems. Topics include the relational data model, relational algebra, SQL query language, database software development, data security, normalization, client/server environments. Prerequisite: CS 220. Offered Fall, Spring.

CS 370 Cr.3  
**Computer Architecture**  
A presentation of the logical organization of modern digital computers. Topics include performance evaluation, instruction set design, computer arithmetic, processor control, pipelining, cache memory, memory hierarchy, memory and system buses, and I/O organization. Prerequisite: CS 270. Offered Fall, Spring.

CS 395 Cr.1-3  
**Independent Study**  
Individualized study of topics in computer science not covered by courses regularly taught in the department. Repeatable for credit - maximum 6. Consent of department. Offered Fall, Spring, Summer.

CS 402/502 Cr.3  
**Web Application Development**  
This course will give a detailed description of the core concepts and general principles of Web application development. The course will cover various protocols, programming languages, scripting languages, data storage and security, layered software architectures, and graphical interface design as they relate to Web development. Students will apply these techniques to the development of medium scale Web application. Prerequisite: CS 340; junior standing. Offered Fall - Odd Numbered Years.

CS 410/510 Cr.3  
**Free and Open Source Software Development**  
This course examines all aspects of the Free and Open Source Software movement. The course surveys the various definitions of open source licenses and examples of major free and open source development projects (e.g. the GNU Project, Apache Foundation, Linux). The course also examines the development tools that support developer communities, as well as how Web-based applications have created the possibility of international development teams. Students will select and contribute to the software development of an existing open source project. Prerequisite: CS 340; junior standing. Offered Spring - Odd Numbered Years.

CS 418/518 Cr.3  
**Mobile Application Development**  
An introduction to the concepts and techniques of application development for mobile devices. The course will examine the design constraints of mobile devices, how mobile applications can leverage external data resources, integration of sensor data and the development environments of the chosen platform (e.g. iOS, Android and others). Repeatable for credit with different topic - maximum six. Prerequisite: CS 340; junior standing. Offered Occasionally.

CS 419/519 Cr.1-3  
**Topics in Computer Science**  
A special topics course in Computer Science which will function as a forum for new ideas and testing ground for new courses. Repeatable for credit - maximum 6. Prerequisite: junior standing. Consent of instructor. Offered Occasionally.
CS 421/521 Cr.3  
**Programming Language Concepts**  
A comparative study of the concepts underlying the design of contemporary high-level programming languages, including imperative, functional, logic and object-oriented paradigms; formal representation of syntax and semantics; control structures; data and procedural abstraction; scope and extent; parallelism and exception handling. Prerequisite: CS 340; CS 225 or MTH 225; junior standing. Offered Fall, Spring.

CS 431/531 Cr.3  
**Introduction to Robotics**  
This course is a hands-on introduction to the algorithms and techniques required to write robot control software. Topics include the components of mobile robots and robot manipulators, manipulator kinematics, robot task planning, sensing, sensor fusion, visual servoing and robot control concepts. Prerequisite: CS 340; junior standing. Offered Spring - Odd Numbered Years.

CS 441/541 Cr.3  
**Operating System Concepts**  
The study of the structures and algorithms of operating systems. Operating systems are viewed as managers and controllers of resources such as processors, memory, input and output devices and data. Topics include multiprogramming systems, CPU scheduling, memory management and device management. Prerequisite: CS 340; junior standing. Offered Fall, Spring.

CS 442/542 Cr.3  
**Structures of Compilers**  
An extensive study of all phases of the compilation of high level programming languages. Topics include: scanning, parsing (LL and LR), semantics analysis, symbol table organization and manipulation, internal code generation, storage allocation, optimization and object code generation. Students are required to complete a compiler for a small high-level language. Prerequisite: CS 270; CS 340; junior standing. Offered Spring.

CS 443/543 Cr.3  
**Topics in Operating Systems**  
An intermediate course in operating systems extending topics introduced in C-S 441. Operating systems concepts are studied in depth. Typically students will study and modify an existing system. Prerequisite: CS 441; junior standing. Offered Fall - Even Numbered Years.

CS 446/546 Cr.3  
**Object-Oriented Software Development**  
Introduction to the concepts and principles of object-oriented (OO) systems, notations for OO analysis and design, and comparison of OO programming languages. Advanced topics on object-oriented such as OO testing and software reuse will be briefly discussed. Prerequisite: CS 340; junior standing. Offered Spring.

CS 449/549 Cr.3  
**Advances in Software Engineering**  
Introduces advanced topics in software engineering. Topics include prototyping models, risk analysis, component-oriented software development, software architectures, software reuse, software metrics and quality analysis. Prerequisite: CS 341; junior standing. Offered Fall - Even Numbered Years.

CS 451/551 Cr.3  
**User Interface Design**  
This course focuses on the design and implementation of user interfaces. The topics include characteristics of user interfaces, user profiles, user interface design principles, methods and tools for user interface development, evolution of user interfaces, evaluation of user interfaces, and case studies. Prerequisite: CS 340; junior standing. Offered Fall - Odd Numbered Years.

CS 452/552 Cr.3  
**Artificial Intelligence and Pattern Recognition**  
An introduction to the fundamental principles of artificial intelligence. Topics include the biological basis for intelligence, classification of object descriptions and pattern recognition, search strategies and game trees, natural language processing, automatic theorem proving, programming for artificial intelligence and knowledge-based systems. Projects include writing a substantial artificial intelligence application program. Prerequisite: CS 340; junior standing. Offered Fall - Odd Numbered Years.

CS 453/553 Cr.3  
**Introduction to Theory of Computation**  
An introduction to the theoretical aspects of computation. The capabilities and limits of several computation models are considered including: partial recursive functions, Turing machines, finite state automata and formal languages. The implications of Church’s thesis and unsolvable problems such as the halting problem are discussed. Prerequisite: CS 340; junior standing. Offered Spring - Even Numbered Years.

CS 454/554 Cr.3  
**Digital Image Processing**  
This course introduces the fundamentals of digital image processing techniques with an emphasis on the design and implementation of image processing algorithms. Topics include color models, point-processing techniques, convolution, Fourier domain processing, the discrete cosine transform, image compression methodologies, image restoration and enhancement, sampling and image display. Prerequisite: CS 340; junior standing. Offered Fall - Even Numbered Years.

CS 455/555 Cr.3  
**Fundamentals of Information Security**  
This course presents the fundamental concepts of information security. Basic policies, techniques and tools for maintaining the security of host computers, information networks and computer software are presented. Elementary cryptography is explored with special attention to applications in data encryption, hashing and digital signatures. Fundamental security management procedures also are introduced, as are the legal and ethical issues associated with computer security. Students will be expected to apply the knowledge gained to construct security policies and practice security in the form of access privileges, firewalls, vulnerability scanners and intrusion detection tools. Prerequisite: CS 220; junior standing. Offered Fall - Odd Numbered Years.

CS 456/556 Cr.3  
**Secure Software Development**  
Traditionally, software engineering has viewed flaws as the inconsistency of software behavior with its functional requirements. Software security problems, however, can occur in software that contains no such flaws but is nonetheless susceptible to external attack. This course examines known reasons for software security vulnerabilities with an emphasis on best practices for their detection and mitigation, along with general principles for engineering software in ways that enhance security. Prerequisite: CS 340; junior standing. Offered Spring - Even Numbered Years.
CS 464/564 Cr.3
Advanced Database Management Systems
Advanced topics in database management systems. Topics include the relational data model, relational calculus, embedded SQL programming, database application programming, indexing, systems software and storage structures for databases, concurrency control, crash recovery, database administration, parallel and distributed databases, object oriented databases. Prerequisite: CS 364; junior standing. Offered Spring.

CS 470/570 Cr.3
Parallel and Distributed Computing
A study of architectures, control software, and applications for parallel and distributed systems. A survey of parallel and distributed architectures including data flow machines, vector processors, shared memory multiprocessors, and message based multiprocessors. Software topics include process communication and synchronization, global state maintenance, negotiation, scheduling, data parallelism, control parallelism, and languages for parallel and distributed computing. Prerequisite: CS 370; junior standing. Offered Occasionally.

CS 471/571 Cr.3
Data Communications
An introduction to data communications, including the electrical properties and software protocols. In addition to presentations of the concepts and techniques used for data communications, several currently used standards and communications networks will be examined. Prerequisite: CS 270; CS 340; junior standing. Offered Spring - Even Numbered Years.

CS 499 Cr.1-3
Research in Computer Science
An opportunity to become acquainted with literature in the field and to work on a professional level research project within an area of interest of the computer science faculty. A seminar reviewing the results of the study will be a requirement for completion of the course. Repeatable for credit - maximum 6. Consent of instructor. Offered Fall, Spring.

Curriculum and Instruction (CI)

Courses
CI 110 Cr.1
Tutoring Principles and Practice
Practical experience in tutoring area school students prior to, during, or after school sessions as arranged in cooperation with campus and approved community agencies. Repeatable for credit - maximum 2. Pass/Fail grading. Offered Occasionally.

CI 381/581 Cr.1
Environmental Education Methods
This course is designed to develop an understanding of curricula, instructional methods and materials and evaluation techniques for K-12 level environmental education based upon educational research, contemporary practices and Wisconsin Department of Public Instruction recommended goals and expectations. Prerequisite: GEO 200 and completion of CI 302 or CI 305 or declared environmental studies minor. Offered Fall, Spring.

CI 461/661 Cr.3
Leadership for Elementary/Middle Science Education
Designed to augment a basic understanding of science curriculum development, teaching practices, resources, management, and assessment procedures. Special emphasis will be given to controversial issues in science, nature of scientific knowledge, laboratory safety, long range planning and goal setting procedures, funding for operating an inquiry science program, and special programs to enhance and extend classroom science experiences for students. Prerequisite: CI 435 or EDS 421 or prior elementary/ middle level classroom teaching experience. May be taken concurrently with CI 435 when a minimum of 20 science course credits has been successfully completed. Offered Fall.

CI 470/670 Cr.1-3
Symposium in Education
Studies in education of interest to specific groups. Varying topics will be offered at intervals with a specific title assigned to each. Prerequisite: junior standing and admission to teacher education. Departmental option for Pass/Fail grading. Repeatable for credit — maximum 6. Offered Fall, Winter, Spring, Summer.

CI 495/695 Cr.1-3
Supervision of Student Teaching
Designed especially for supervising teachers having student teachers or teacher interns under their direction, and for other teachers interested in preparing for teacher supervising responsibilities. Emphasis on objectives of student teaching, orientation and induction, roles and responsibilities of personnel, instructional planning and implementation, process of supervision and post-instructional conferencing. Prerequisite: certification for teaching, a baccalaureate degree, and teaching experience. Repeatable for credit — maximum 3. Offered Occasionally.

CI/EFN 499 Cr.1-6
Individual Study
Reading and research in an area of student interest in education under the direction of an education instructor. Open to elementary and secondary education students with excellent records. (Not open to students concurrently enrolled in EFN 499.) Prerequisite: junior standing. Consent of instructor. Offered Fall, Winter, Spring, Summer.

Early Childhood Education (ECE)

Courses
ECE 212 Cr.3
Child Growth and Development for Early Childhood-Middle Childhood Educators
A study of the development of children from birth through age thirteen (early adolescence) with a focus on birth through age eleven. Cognitive, social-emotional, physical and language development are emphasized. Factors that enhance or inhibit development (including diverse family structures, cultural variance, and linguistic diversity) are also studied. ECE 212 is required for admission into the Early Childhood – Middle Childhood program. Prerequisite: declared education (EC-MC) major; 12 earned credits. Offered Fall, Spring.
ECE 213 Cr.3
Introduction to Early Childhood Education
An introduction to the early childhood education profession and programs that provide care and education for young children (birth through age eight) and their families. The course will examine historical and theoretical influences on early childhood programs, the roles and responsibilities of early childhood professionals, and the effects of early childhood education on children’s development and learning. An overview of developmentally appropriate practice will focus on the teacher as decision maker, multiple sources of knowledge that inform practice, designing positive learning environments, and collaborative relationships with families and colleagues. Course includes a field experience with young children in early childhood programs. Prerequisite: ECE 212 or concurrent enrollment. Offered Fall, Spring.

ECE 316 Cr.3
Early Childhood Care and Program Administration
This course emphasizes the study of the administration and organization of early childhood programs including: program and staff development, supervision and evaluation of program and staff, financial management of a program, accreditation and licensing regulations, advisory groups, community agencies, and the use of community resources. Prerequisite: ECE 212; ECE 213. Offered Fall, Spring.

ECE 324 Cr.3
Early Childhood Education: Curriculum and Assessment for Infant/Toddler through Preschool
An overview of preschool programs serving children from birth through five years of age, including the study of developmentally appropriate practices and integrated curriculum development. The course will also focus on adapting instructional materials and planning appropriate experiences for young children with disabilities. The affective nature of young learners will be examined and used as a foundation for anti-bias curriculum. Instructional activities will be planned and implemented with infant through preschool children. Prerequisite: ECE 212; ECE 213; junior standing. Offered Fall, Spring.

ECE 326 Cr.3
Early Childhood Education: Curriculum and Assessment for Kindergarten
A study of curriculum content, instructional strategies and materials in kindergarten programs. The focus is on developmentally appropriate curriculum which integrates social studies, science, literacy, mathematics and the arts. Issues in kindergarten education will be examined. Prerequisite: ECE 212, ECE 213; to be taken concurrently with ECE 327 and ECE 490; admission to teacher education. Offered Fall, Spring.

ECE 327 Cr.1
Field Experience: Kindergarten
A field experience involving observation, participation, and instruction in kindergarten settings. Students become acquainted with curriculum content, instructional strategies and classroom management techniques currently used in kindergarten classrooms. Prerequisite: ECE 212, ECE 213; to be taken concurrently with ECE 326 and ECE 490; admission to teacher education. Pass/Fail grading. Offered Fall, Spring.

ECE 380/580 Cr.1-3
Developing Creative Activities for Young Children
This course is designed to assist preservice and in-service teachers in the development of creative thinking challenges and activities for use with children in prekindergarten through third grade. Theories of creativity and multiple intelligences will be examined and used as the foundation for lesson designs. Repeatable for credit — maximum 6. Prerequisite: PSY 370 or teaching experience; junior standing. Offered Fall, Spring.

ECE 400 Cr.2-4
Student Teaching: Early Childhood
Under the direction of a university supervisor and in cooperation with an approved teacher, the student will engage in a half-time professional experience in a selected early childhood setting for eight weeks. Prerequisite: completion of requirements in education; recommendation by the appropriate education program faculty; 2.75 cumulative GPA and a 2.75 GPA in the major, minor, and concentrations; passing scores on Praxis II test. Consent of instructor. Satisfactory/Unsatisfactory grading. Offered Fall, Spring.

ECE 401 Cr.4-8
Student Teaching: Kindergarten
Under the direction of a university supervisor and in cooperation with an approved teacher, the student will engage in a full-time professional experience in a selected kindergarten classroom for eight weeks. Prerequisite: completion of requirements in education; recommendation by the appropriate education program faculty; 2.75 cumulative GPA and a 2.75 GPA in the major, minor, and concentrations; passing score on Praxis II test. Consent of instructor. Satisfactory/Unsatisfactory grading. Offered Fall, Spring.

ECE 425 Cr.4
ECE Student Teaching: Infant/Toddler through Preschool
Under the direction of a university supervisor and in cooperation with an approved teacher, the student will engage in a half-time professional experience in a selected early childhood, infant/toddler through preschool setting for eight weeks. Candidates will develop their professionalism, guidance techniques and conflict resolution skills. Candidates will also develop and implement activities and lessons including units of instruction as well as building and maintaining the environment for a designated developmental range. Prerequisite: ECE 212, ECE 213, ECE 324, ECE 440, EDS 402, EDS 412, EDS 413, EDS 421, EDS 422 and EDS 445; concurrent enrollment in ECE 326, ECE 327 and ECE 490; junior standing. Satisfactory/Unsatisfactory grading. Offered Fall, Spring.

ECE 430 Cr.4
Creative Experience for Children: Art, Drama, Music, and Movement
This course is designed to develop a philosophy of education which places emphasis on creativity and on the integration of art, music and drama experiences into the curriculum. Students will explore the classroom teacher’s role in supporting the development of creativity through arts integration across the early childhood and primary curricular areas. Students will plan and implement art, music and drama activities appropriate for use with pre-kindergarten through primary-age children. Prerequisite: ECE 212; ECE 213; ECE 324 or ECE 326; admission to teacher education; junior standing. Offered Fall, Spring.

ECE 440 Cr.3
Language and Literacy Development of Young Children
An examination of language and literacy development of young children from birth through kindergarten. Topics of study are the development of receptive and expressive language skills, listening comprehension, awareness of print, emergent writing, and early reading. Supporting families as children’s first teachers, appropriate experiences at home and in childcare settings, and family literacy programs will be studied. This course will develop the ability to plan and implement a comprehensive literacy program for young children, including developmentally appropriate assessments for young children. The course will also address developmentally appropriate instructional strategies for young children who struggle with beginning literacy concepts and skills. Prerequisite: ECE 212; ECE 213; EDS 308; admission to teacher education; junior standing. Offered Fall, Spring.
Earth Science (ESC)

+ next to a course number indicates a general education course

Courses

+ESC 101 Cr.4

Earth Environments
This course concentrates on understanding the earth's dynamic environments through the study of processes and physical and human interactions related to the lithosphere, hydrosphere and atmosphere. A scientific approach is used to examine fundamental concepts in earth and environmental science related to topics such as plate tectonics, landform development, atmospheric processes, global climate, and water resources, in order to provide an understanding of how the earth system functions and the human role in these phenomena. Lect. 3, Lab 2. Offered Fall, Spring.

ESC 211 Cr.3
Global Warming and Climate Change
This course explores the scientific basis of global warming and climate change, and their current and likely impacts on human society and the environment, before addressing the action that could be taken by governments, by industry, and by individuals to mitigate the effect. Discussion of global warming is situated in the context of models of climate change, focusing on alternative interpretations of the effects of anthropogenic greenhouse gases on global warming. Offered Fall, Spring.

ESC 221 Cr.4
Introduction to Climate Systems
An introduction to physical principles and the dynamic processes that govern the behavior of the atmosphere at global and regional scales. Spatial and temporal variations of energy, moisture, circulation, and weather systems; and the patterns of the world climate systems are discussed. Lect. 3; Lab 2. Prerequisite: ESC 101. Offered Fall.

ESC 222 Cr.4
Landforms: Processes and Regions
An introduction to the earth surface processes that are dominant in forming various types of landforms. Spatial variations in landform will be studied both at the local scale and as the outcome of large-scale global processes, including the effects of plate tectonics and global climatic change. Lect. 3; Lab 2. Prerequisite: ESC 101. Offered Spring.

ESC/GEO 250 Cr.3
Fundamentals of Cartography
Methods for the collection of geographic information from various sources. Techniques of representation on maps. Emphasis on the theoretical/fundamental aspects of display of cartographic data, symbolization, map design and planning, and map evaluation through lectures and exercises. (Cross-listed with ESC/GEO; may only earn credit in one department.) Offered Fall, Spring.

ESC/GEO 270 Cr.1-3
Geographic Themes
Specifically selected topics or skills which may be designed for the interest of special groups will be offered with formalized instruction and methodology appropriate to geography and/or earth science. This course may be counted as an elective in the geography major or earth science minor at the discretion of the Geography/Earth Science Department. Prerequisite may be required at the discretion of the department. Repeatable for credit — maximum 6. Offered Occasionally.

ESC/GEO 345 Cr.3
Remote Sensing
Introduction to remote sensing, emphasizing satellite multispectral observations of the earth applied to such fields as agriculture, forestry, water resources, urban and regional planning, and environmental assessment. Upper Midwest and selected areas worldwide are explored with visual and digital image processing techniques. (Cross listed with ESC, may only earn credit in GEO or ESC.) Offered Fall.

ARC/ESC/GEO 347 Cr.3
Geoarchaeology
An applied course on the contribution of earth sciences to the interpretation of archaeological contexts. This course will consist of field, lab and lecture components. Emphasis is placed on the methods of geoarchaeology and the applications of selected earth science fields to archaeological problems. Field trips will be a required component of the course in order to complete field descriptions and sampling. Prerequisite: ARC 195 or ESC 222 or ESC/GEO 426 or ESC/GEO 430. Cross-listed with ARC/ESC/GEO; may only earn credit in one department. Offered Occasionally.

ESC/GEO 385 Cr.3
Introduction to Geographic Information Systems
An introduction to both theoretical and applied aspects of Geographic Information Systems (GIS). GIS software, with an emphasis on ArcGIS, will be used to explore geographic questions. Hands-on exercises pertaining to environmental science, natural resource management, business, and urban planning will be used to complement lecture material. Topics will include data organization, database structure, input and output, data quality, and geographic analysis of spatial and attribute data. Offered Fall, Spring.

ESC/GEO 390 Cr.3
Geographic Field Methods
Covers fundamental concepts of field methods as applied to physical, cultural, urban and environmental geography. Students will gain experience in sampling, field surveying, GPS mapping, and observational data collection techniques. Includes reconnaissance and detailed surveys using current methods, GPS and field equipment; and practical integration of field data into a geographic information system. Prerequisite: GEO/ESC 385 or concurrent enrollment. (Cross-listed with GEO/ESC; may only earn credit in one department.) Offered Fall.

ESC/GEO 401 Cr.1
Focus on Geography: A Capstone Course
A seminar-style course designed to prepare students for graduate school and/or a career in geography/earth science. This course will cover the basic concepts of interviewing, graduate school application, oral presentation of a topic, and the writing of professional abstracts. The development of the field will be studied by the reading and discussion of landmark articles in geography and earth science. Students are expected to actively participate in the assessment of their major. Prerequisite: senior standing. Pass/Fail grading. Offered Fall.
ESC/GEO 422/522 Cr.3

Meteorology and Weather Forecasting
Various principles and laws which govern the behavior of the atmosphere are investigated. Laws of gases and radiation, energy exchange between the earth and the atmosphere, laws of motion, various forces governing atmospheric motion, atmospheric moisture and psychrometry, condensation, precipitable water and precipitation, atmospheric stability/instability, thermodynamic characteristics of the atmosphere, vorticity, and synoptic meteorology are discussed. Surface and upper-air charts, synoptic patterns, thermodynamic charts, radar and satellite images, and weather patterns are analyzed for weather forecasting. Prerequisite: ESC 101 or equivalent; junior standing. (Cross-listed with GEO/ESC; may only earn credit in one department.) Offered Spring.

ESC/GEO 425/525 Cr.3

Biogeography
A systematic analysis of the geographic distribution of organisms from historical, ecological and regional perspectives. Emphasis is placed on the principles and the methods of biogeography. Special reference is made to bio-geographic regions, the distribution of organisms in space and time, and ecological biogeography. Prerequisite: ESC 221; junior standing. (Cross-listed with GEO/ESC; may only earn credit in one department.) Offered Alternate Years.

ESC/GEO 426/526 Cr.4

Soil Morphology and Genesis
A comprehensive study of soils around the world and the factors and processes that drive their formation and dynamic evolution. Emphasis is placed on soil morphology, pedogenesis, and biogeochemical influences within the soil environment. A one-credit lab section is devoted to the hands-on exploration and study of soils through laboratory and field exercises. Prerequisite: ESC 221 or ESC 222. (Cross-listed with GEO/ESC; may only earn credit in one department.) Offered Occasionally.

ESC/GEO 427 Cr.3

Water Resources
A study of physical water resources systems and management and utilization of water as a resource. Class activities will include seminars on critical water resource management issues and hands-on analysis of pertinent data, including exercises in Geographic Information Systems. Prerequisite: ESC 221 or ESC 222. (Cross-listed with GEO/ESC; may only earn credit in one department.) Offered Alternate Years.

ESC/GEO 430/530 Cr.3

Fluvial Geomorphology
A systematic study of the interactions between flowing water and surface landforms. Emphasis is placed on watershed and stream development, sediment transport and storage, flow frequency analysis, and applications of fluvial principles to river management and stream restoration. Class activities will include field exercises in the La Crosse region, mathematical analysis of hydrologic variables, and spatial analysis with Geographic Information Systems. Prerequisite: ESC 221 or ESC 222. (Cross-listed with GEO/ESC; may only earn credit in one department.) Offered Spring - Odd Numbered Years.

ESC/GEO 435/535 Cr.3

Advanced Remote Sensing
Advanced techniques of digital satellite and airborne image analysis and processing, emphasizing theory and applications in natural resource, land use and environmental assessment. Includes practical approaches to integrating imagery with geographic information systems for spatial analyses and decision making. Data acquisition, integrity, manipulation, formatting, storage and retrieval are also examined. Prerequisite: GEO 345. (Cross-listed with GEO/ESC; may only earn credit in one department.) Offered Spring.

ESC/GEO 450 Cr.3-12

Geography Internship
Practical experience with a variety of organizations where the student’s geographic background and training can be utilized to advantage. Students are placed in carefully selected positions screened by the department. Actual work supervision is accomplished by personnel of the selected agency and the department staff coordinator. A maximum of five credits may be counted toward the non-education major. Prerequisite: geography major plan; junior standing; cumulative GPA of 2.25 with a minimum of 2.75 GPA in geography. (Cross-listed with GEO/ESC; may only earn credit in one department.) Pass/Fail grading. Offered Fall, Spring, Summer.

ESC/GEO 455/555 Cr.3

Applied Map Design/Production in Cartography/GIS
This course explores both manual and digital methods in cartographic design and production, map design theory, perceptual aspects of map symbols, methods of production for small format and large format maps, cost efficiency factors, design environments in GIS packages, production of both monochromatic and color maps, map publishing. Prerequisite: GEO 250. (Cross-listed with GEO/ESC; may only earn credit in one department.) Offered Spring.

ESC/GEO 460/560 Cr.3

Environmental Hazards and Land Use
Environmental processes are investigated in light of the hazards they might pose for development and how they may be avoided or mitigated by proper land use planning. Prerequisite: ESC 221 or ESC 222. (Cross-listed with GEO/ESC; may only earn credit in one department.) Offered Occasionally.

ESC/GEO 470/570 Cr.1-3

Special Topics in Geography/Earth Science
Specifically selected topics or skills which may be designed for the interest of special groups will be offered with formalized instruction and methodology appropriate to geography and/or earth science. May be counted as an elective in the geography major or earth science minor at the discretion of the Geography/Earth Science Department. Prerequisite may be required at the discretion of the department. Repeatable for credit - maximum 6. Prerequisite: junior standing. Offered Occasionally.

ESC/GEO 476/576 Cr.1-3

Geography/Earth Science Topics for Teachers
Selected topics in geography and/or earth science pertinent to applications in the teachers’ classrooms. Courses are designed to meet the needs of teachers so that they may implement the course material into their classroom teaching. Prerequisite: junior standing. Offered Occasionally.
Economics (ECO)

+ next to a course number indicates a general education course

Courses

+ECO 110 Cr.3
Microeconomics and Public Policy
Introduction to microeconomic principals and their application to decision-making by individuals, businesses, and government. General topics include supply and demand, market structures, product markets, government regulation, income distribution, international trade, and economic analysis of current social issues. Offered Fall, Winter, Spring, Summer.

+ECO 120 Cr.3
Global Macroeconomics
Introduction to the functioning of the world economy. Applications of economic principals to domestic and international problems with an introduction to economic systems, economic thought, and economic history around the world. General topics include the economics of international exchange rates, global macroeconomics, international monetary systems, and economic development. Offered Fall, Winter, Spring, Summer.

+ECO 202 Cr.3
 Contemporary Global Issues
This course will offer a contemporary multi-disciplinary perspective regarding the major issues and trends confronting the global society as it enters the 21st century. Emphasis will be given to a critical review and assessment of the origin and present condition of the plethora of situations and problems affecting modern global society. The student will also learn to critically evaluate current and future events. The course will incorporate the views and approaches of the following disciplines: sociology/anthropology, economics, geography, political science and history. (Cross-listed with ECO/HIS/POL/ANT 202; may only earn credit in one department.) Offered Occasionally.

ECO 300 Cr.3
Economic Issues in Public Policy
A discussion of current economic issues incorporating an introduction to the essential concepts for critical economic thinking. Issues are chosen to help the student develop a general understanding of the economic choices confronting a democratic society. Prerequisite: ECO 110 or ECO 120. Offered Occasionally.

ECO 301 Cr.3
Money and Banking
An introduction to money, monetary policy, and banking, and their roles in the modern market economy. Attention is devoted to the current institutional structure in the U.S. and differing views on the relationship between money and the level of economic activity. Prerequisite: ECO 110, ECO 120. Offered Spring.

ECO 303 Cr.3
Industrial Organization
An introduction to the theoretical analysis of the aggregate economy. Topics include the essential mathematics of macro analysis; national income accounting; general equilibrium of the product, money and labor markets; Keynesian, Classical, and Monetarist theories; stabilization policies; and economic growth. Prerequisite: ECO 110, ECO 120; MTH 175 or MTH 207. Offered Fall, Spring.

ECO 305 Cr.3
Intermediate Macroeconomic Analysis
Introduction to the theoretical analysis of the aggregate economy. Topics include the essential mathematics of macro analysis; national income accounting; general equilibrium of the product, money and labor markets; Keynesian, Classical, and Monetarist theories; stabilization policies; and economic growth. Prerequisite: ECO 110, ECO 120; MTH 175 or MTH 207. Offered Fall, Spring.

ECO 306 Cr.3
History of Economic Thought
The evolutionary development of economic thought from the Medieval Period to the present day, including origins and development of classical economics, the critics of classicism, subjectivism, the Historical School, neo-classical economics, institutionalism, imperfect competition theories, and Keynesian economics. Prerequisite: ECO 110, ECO 120. Offered Occasionally.

ECO 307 Cr.3
Intro to Econometrics, Forecasting & Time Series
An introduction to regression analysis and its application to economic and business research. Topics include using secondary data sources, simple and multiple regression, forecasting, time series analysis, and interpretation and communication of results. The course develops various empirical techniques and culminates with a final research report. Prerequisite: MTH 145; ENG 110 or ENG 112. Offered Occasionally.

ECO 308 Cr.3
Intermediate Microeconomic Analysis
Behavior of consumers, producers and markets. Topics include: theories of demand, production and cost, firm decisions, market structures, distribution, general equilibrium, welfare and externalities. Prerequisite: ECO 110, ECO 120; MTH 175 or MTH 207. Offered Fall, Spring.
ECO 310 Cr.3
Managerial Economics
Application of economic principles for making effective management decisions with regard to strategies dealing with a firm's external environment and internal organization. Topics include: decisions under risk and uncertainty, vertical integration and outsourcing, pricing strategies, creating and capturing value, incentive conflicts and contracts, and issues in personnel economics. Prerequisite: ECO 110; MTH 145. Offered Occasionally.

ECO 311 Cr.3
Comparative Economic Systems
Theoretical and institutional characteristics of capitalism and socialism with emphasis on prevailing economic systems in the U.S., the former Soviet Union, China, and England. Prerequisite: ECO 110, ECO 120. Offered Occasionally.

ECO 312 Cr.3
American Economic Development
American economic growth in historical perspective from the point of view of the economist. Emphasis will be placed on the use of elementary economic theory as a tool to explain the growth of the American economy. Prerequisite: ECO 110, ECO 120. Offered Occasionally.

ECO 315 Cr.3
Economics of Sustainability
Introduction to the tools and models of ecological economics in order to better understand the relationship between ecological and economic systems; to explore the linkages between economic growth, environmental degradation, and social and intergenerational equity; and to analyze policies that will lead to a world that is ecologically sustainable. Prerequisite: ECO 110 or ECO 120. Offered Spring.

ECO 320 Cr.3
Economics of Sports
Economic theory is used to analyze the sports industry. Topics include industry make-up, labor conditions, marketing, economic impact, and discrimination. Prerequisite: ECO 110. Offered Fall, Spring.

ECO 321 Cr.3
Modern Political Economy
An introduction to conservative, liberal, and radical perspectives on the economic process. Topics include the role of government in the economy, the nature of work, business cycles, the environment, and racism and sexism. Prerequisite: ECO 110, ECO 120. Offered Occasionally.

ECO 330 Cr.3
Labor Economics
Theories of wage determination; economic effects of wage determination upon the structure of wages, the distribution of national income, employment, and the price level. Prerequisite: ECO 110, ECO 120. Offered Occasionally.

ECO 346 Cr.3
Environmental and Ecological Economics
Aspects of the scarcity of renewable and non-renewable natural resources and the management problems associated with their allocation and use are presented from neoclassical and ecological economics perspective. Theoretical foundations for those tools of economic analysis applicable to the analysis of natural resource problems are developed with historical, real-world examples discussed. Attention is concentrated on the policy implications of alternative resource development strategies. Prerequisite: ECO 110. Offered Spring.

ECO 375 Cr.3
Economic Development
Analysis of the broad problems and constraints limiting economic development in the 'Third World' Alternative approaches to development will be considered. Different cultural, material, and human resources present in individual countries will be assessed. Prerequisite: ECO 110, ECO 120. Offered Occasionally.

+ECO/THA 376 Cr.3
Economics of Art and Entertainment
The overall goal of this course is to enable participants to make or evaluate selected decisions and policy issues pertaining to the arts and to better understand the unique status the arts hold in the American economy. Prerequisite: sophomore standing. (Cross-listed with ECO/THA; may only earn credit in one department.) Offered Spring - Odd Numbered Years.

ECO 400/500 Cr.3
Monetary Theory and Policy
This course is concerned with the theory and practice of monetary policy in the modern market economy, with particular reference to the U.S. economy and institutional framework. Topics covered include: the ability of the central bank to regulate the supply of money and credit conditions; factors affecting the demand for money; and the relationship between changes in the money supply and interest rates and the impact of changes in each of these on other economic variables. Prerequisite: ECO 301; junior standing. Offered Occasionally.

ECO 402/502 Cr.3
Public Sector Economics
Theory and policy of revenues and expenditures in the public sector. Public sector issues are analyzed using public choice theory and cost-benefit analysis. Expenditure programs and taxation are considered at the national, state, and local government levels. Prerequisite: ECO 110; junior standing. Offered Occasionally.

ECO/GEO/HIS/POL/PSY/SOC 408 Cr.4
Teaching and Learning History & Social Studies in the Secondary School
This course will be integrated with a field experience. In the context of a real classroom, teacher candidates will learn how to plan for and assess student learning in history and social sciences. With a focus on content knowledge, teacher candidates will plan a variety of meaningful learning experiences, assess student learning, and monitor and modify instruction to best support the individual learners in the classroom. The teacher candidate will design, enact, and assess activities that advance student understanding to more complex levels. Teacher candidates will gain experience in monitoring the obstacles and barriers that some students or groups of students face in school and learn how to design learning experiences to support all learners. HIS/GEO/HIS/POL/PSY/SOC 408 Offered Fall, Spring.
ECO 409/509 Cr.3
Econometric Methods
Development of statistical techniques used in empirical economics analysis. Emphasis will be placed on the theory and application of the linear regression model. Prerequisite: ECO 307 or MTH 405 and one economics course at 300 level or above; junior standing. Offered Occasionally.

ECO 435 Cr.3
Law and Economics
Economic analysis of the origins and impacts of legal rules and of the process of legal decision-making. Focus is on the implications of alternative legal structures for the efficient use of society’s scarce resources, and on the ways in which economic incentives shape the evolution of those structures and the laws they embody. Topics include: public choice, pollution, insurance and liability, and deregulation. Prerequisite: ECO 110. Offered Occasionally.

ECO 440 Cr.3
International Financial Economics
The economics of the international monetary system and financial transactions, with emphasis on macroeconomic policy. Balance of payments problems, exchange rate determination and its effect on economic growth and stability, and policies to achieve international market equilibrium are analyzed from a theoretical and empirical point of view. Prerequisite: ECO 120; junior standing. Offered Spring.

ECO 450 Cr.1-6
College of Business Administration Internship
The internship program as conceived and implemented is an unusual program designed to provide an opportunity for students in the College of Business Administration at the University of Wisconsin-La Crosse to participate in an approved program with a cooperating business, government, or civic organization for usually 15 weeks of their undergraduate work. For additional information, see internship description under the College of Business Administration heading. Repeatable for credit. Prerequisite: cumulative GPA of at least 2.50; ACC 221, ACC 222; BUS 205, BUS 230; ECO 110, ECO 120; FIN 355; IS 220; MGT 308; MKT 309; admission to business. Pass/Fail grading. Offered Fall, Winter, Spring.

ECO 471/571 Cr.3
Health Economics
Study of the use of resources in health care and the application of economic methods to issues of public health. Topics include organization of health care delivery, relationships between health care and health status, and the economic evaluation of health care services. The U.S. system is compared with those of other nations, focusing on the roles of the consumers and providers in health care markets, and on the roles of government in shaping demand, supply, and utilization. Prerequisite: ECO 110; junior standing. Offered Occasionally.

ECO 474/574 Cr.1-3
Economic Forum
Emphasis will be on examination and study of current economic issues. Topics will vary from semester to semester. Repeatable for credit — maximum 6. Prerequisite: ECO 110, ECO 120; junior standing. Offered Occasionally.

ECO 499 Cr.1-3
Independent Study
Individual reading or research under the guidance of a staff member. Open to selected advanced students who have excellent records in the department. Registration with the consent of the student’s regular adviser, the instructor and the department chairperson. Approval form available in department office; completion of form required prior to registration. Repeatable for credit - maximum 6. Consent of instructor. Pass/Fail grading. Offered Fall, Winter, Spring, Summer.
Courses

EDS 303 Cr.2
Foundations of Public Education in the United States (Early Adolescence Adolescence)
Examines the historical and philosophical foundations of the teaching profession as well as contemporary issues facing teachers in the twenty first century relating to school law, ethics, school governance and the impact of economics on education. Offered Fall, Spring, Summer.

EDS 308 Cr.3
Foundations of Literacy
The focus of this course will be on the language and language arts/ literacy development for all learners. This course provides students with the theories, principles, goals, and pedagogical skills for teaching language arts/literacy for K-8 classrooms. Emphasis will be given to critical literacy including effective practices from multicultural and multilingual literacy perspectives. Candidates will also develop an understanding of political and social dimensions of language arts/literacy education. Prerequisite: sophomore standing; declared education major plan; completed basic skills testing milestone. Offered Fall, Spring, Summer.

EDS 309 Cr.2
Education In a Global Society (Early Adolescence Adolescence)
In support of teachers as globally responsive citizens, this course studies international education issues relating to global poverty, gender inequality and the impact of globalization on the teaching profession. Comparative case studies regarding education systems in other parts of the world are integrated to provide a stronger global perspective on social, economic and political aspects of schooling. Prerequisite: EDS 303. Offered Fall, Summer.

EDS 311 Cr.3
Curriculum and Pedagogy for Early Childhood-Middle Childhood/Middle Childhood-Early Adolescence
The course is designed to consider the nature of a teaching profession, the use of standards in a profession, and responsibilities of PK-12 educators. The role of schools in society will be examined along with the history and politics of school curriculum. Possible levels of curriculum used in schools from knowledge reproduction to curriculum integration will be discussed. Culturally responsive teaching and conflict resolution will be emphasized. Prerequisite: declared education major plan; completed basic skills testing milestone. Offered Fall, Spring.

EDS 319 Cr.2
Teaching with Integrated Technology I
This course is an introduction to the systematic planning of instructional technology. Course objectives include developing functional skills in computer hardware and software, design of multimedia materials, and effective application of technology in teaching and learning. The course focuses on the basic principles of learning through technology integration into instruction with the use of multimedia, web development, instructional media, distance learning, Internet use and ethical, legal, and social issues in technology. Lect. 1, Lab 1. Prerequisite: declared education major plan; sophomore standing. Offered Fall, Winter, Spring, Summer.
EDS 351 Cr.4
Language, Literacy, and Culture in the Secondary Classroom
This course consists of class sessions and an integrated field experience. It is designed to equip teacher candidates to understand theoretical and evidence-based foundations of literacy processes and instruction. Students will: a) learn about instructional strategies, approaches, and materials to support student learning in literacy, b) learn about a variety of assessments and how assessment information can be used to plan and evaluate literacy instruction, c) develop an awareness, understanding, respect, and value for diversity and its impact on literacy, and d) learn about factors in the learning environment that foster literacy achievement. Prerequisite: admission to teacher education. Offered Fall, Spring.

EDS 400/500 Cr.1-3
Continuing Education Professional Development
This course provides continuing education opportunities for Educational Professionals on a wide variety of topics. Topics selected for this course will mirror current trends and professional development interests of individual school district or educational institution. Varying topics will be offered with a specific title assigned to each. This course is open to professionals practicing in the education field and offered through the Continuing Education and Extension Office (CEE). Repeatable for credit with a different topic. (EDS 400/500 credits cannot be used toward any Department of Educational Studies undergraduate or graduate programs.) Consent of instructor. Offered Fall, Winter, Spring, Summer.

EDS 402 Cr.2
Field Experience I-Early Childhood-Middle Childhood/Middle Childhood-Early Adolescence
This course is the first field experience in a school environment. Candidates will be introduced to professionalism, classroom management, and conflict resolution. Candidates will plan and teach lessons within the designated developmental range. Prerequisite: EDS 303, EDS 308, EDS 311; to be taken concurrently with EDS 412 and EDS 413; admission to teacher education program; junior standing. Offered Fall, Spring, Summer.

EDS 414 Cr.1
Foundations of Reading Seminar
The purpose of this course is to review and discuss key concepts related to the foundations of reading, including the sub-areas of (1) foundations of reading development (phonological and phonemic awareness, concepts of print and the alphabetic principle, phonics, word analysis skills), (2) development of reading comprehension (vocabulary development, reading comprehension skills and strategies), and (3) reading assessment and instruction (formal and informal assessments, multiple theories and approaches). In addition, the course prepares pre-service and in-service teachers to demonstrate their knowledge and understanding of teaching reading by composing an organized and developed analysis/written response for given teaching reading scenarios. Prerequisite: EDS 308; admission to teacher education program; EDS 412 for EC-MC and MC-EA majors. Pass/Fail grading. Offered Fall, Winter, Spring, Summer.

EDS 422/522 Cr.2
Teaching Mathematics Methods-Early Childhood-Middle Childhood/Middle Childhood-Early Adolescence
This course is designed to introduce teacher candidates to current methods and practices for teaching general science education that will include environmental topics. EC-MC and MC-EA teacher candidates will explore the need for these sciences in their teaching areas. Methods will be investigated regarding the nature of science as a discipline, strategies for instruction and assessment for student learning. Diversity and gender issues in science education are emphasized. Prerequisite: EDS 402; MTH 125 with a grade of C or better; to be taken concurrently with EDS 422 and EDS 445; admission to teacher education program; junior standing. Offered Fall, Spring.

EDS 422/522 Cr.2
Teaching Mathematics Methods-Early Childhood-Middle Childhood-Early Adolescence
This course is designed to provide teacher candidates with basic understanding of curriculum content, instructional methods and materials, and assessment strategies in mathematics for children in preschool through middle school. Teacher candidates will examine the scope and sequence of PK-8 mathematics standards documents as well as explore models for short and long term instructional planning. Candidates will use assessment data to differentiate instruction to meet the needs of individual students that may include Response to Intervention planning and Professional Learning Communities. Slash course EDS 422/522. Prerequisite: EDS 402; grade of C or better in MTH 125 or grade of C or better in both MTH 135 and MTH 136; to be taken concurrently with EDS 421 and EDS 445/545; admission to teacher education; junior standing. Offered Fall, Spring.

EDS 445 Cr.2
Field Experience II - Early Childhood-Middle Childhood/Middle Childhood-Early Adolescence
This course is the second field experience in a school environment. Candidates will further develop their professionalism, classroom management techniques, and conflict resolution skills. Candidates will develop and teach lessons including units of instruction as well as building and maintaining the classroom environment within the designated developmental range. Lect. 1, Lab 1 Prerequisite: EDS 402; to be taken concurrently with EDS 421 and EDS 422; admission to teacher education program; junior standing. Offered Fall, Spring.
EDS 450 Cr.2
Field Experience II-Early Childhood-Adolescence, Early Adolescence-Adolescence
This course is the second field experience in a school environment. Candidates will further develop their professionalism, classroom management techniques, and conflict resolution skills. Candidates will develop and teach lessons including units of instruction as well as building and maintaining the classroom environment within the designed developmental range. Lect. 1, Lab 1. Prerequisite: EDS 405; to be taken concurrently with EDS 451; admission to teacher education program; junior standing. Offered Fall, Spring.

EDS 451/551 Cr.3
Contemporary Lit for Secondary Learners-Early Childhood-Adolescence/Early Adolescence-Adolescence
This class prepares students to experience literacy foundations from traditional and electronic text formats in a global information society. The search for meaning is shaped by language competencies applied in local, national, and international settings. The purpose of this class is to engage learners in the acquisition of skills and processes to facilitate literacy growth in traditional content areas at the middle and high school students. Prerequisite: EDS 405; to be taken concurrently with EDS 451; admission to teacher education program; junior standing. Offered Fall, Spring.

EDS 452 Cr.3
Teaching in Schools
This course is designed to prepare teacher candidates for full professional involvement in schools by being able to understand and implement current educational research and reform efforts in schools. Building on the curriculum, instruction, and assessment models learned earlier in the program, teacher candidates will learn to function within professional learning communities to implement curriculum and educational reforms including integrated curriculum, responsive classrooms, effective classroom management, and family/community engagement. Current educational reform agendas will be presented to prepare candidates for their work in schools. Teacher candidates will learn the legal information that is applicable to their role as teachers and the organization and operation of schools and their role within them. Prerequisite: EDS 402. Offered Fall, Spring, Summer.

EDS 463 Cr.3
Designing Instruction and Ongoing Assessment for Diverse Learners
This course addresses multiple critical skills for teaching candidates. The course will provide in-depth coverage of the Response to Intervention (RTI) model, and in particular how it relates to learners with special needs. Directly connected to the RTI content will be a focus on both formal and informal assessment strategies students may use for progress monitoring. The course will also cover differentiation techniques the students may apply based on their knowledge of student needs and progress. Prerequisite: SPE 401; admission to the teacher education program; junior standing. Offered Fall, Spring.

EDS 475/575 Cr.1-3
Educational Studies Special Topics
The purpose of this course is to provide opportunities for teacher candidates or aspiring teachers to gain experience and knowledge for education topics. Offered Fall, Winter, Spring, Summer.

EDS 492 Cr.1
Student Teaching Seminar
This seminar course provides an opportunity to discuss and further develop candidates’ critical thinking regarding issues of the field and practice of educating school-age individuals. As a result of this course candidates will discuss current research experienced within their student teaching experiences as well as issues around the areas of professionalism, conflict resolution, and classroom management. Prerequisite: admission to teacher education; to be taken concurrently with EDS 493 or EDS 494, or EDS 495. Consent of department. Offered Fall, Spring.

EDS 493 Cr.3-15
Student Teaching: Early Childhood-Middle Childhood/Middle Childhood-Early Adolescence
Student teaching is a full day, full school semester, professional experience in selected elementary and secondary schools with qualified, approved cooperating teachers. Orientation, seminars, and other professional experiences are also required. Prerequisite: Completion of requirements in education, including special methods courses; recommendation by the appropriate education program faculty; 2.75 cumulative GPA and a 2.75 GPA in the major, minor, concentrations and professional course work; an official Praxis II content test score report documenting passing scores on Praxis II content tests in the appropriate certification area/discipline; an official Wisconsin Foundations of Reading Test score report documenting passing scores and/or an official ACTFL oral and written proficiency rating of Intermediate-High for modern language certification candidates. May be repeated for credit in a subsequent semester for each additional licensure. Registration occurs through the Office of Field Experience only. Satisfactory/Unsatisfactory grading. Consent of department. Satisfactory/Unsatisfactory grading. Offered Fall, Spring.

EDS 494 Cr.3-15
Student Teaching: Early Adolescence-Adolescence/Early Childhood Adolescence
Student teaching is a full day, full school semester, professional experience in selected elementary and secondary schools with qualified, approved cooperating teachers. Orientation, seminars, and other professional experiences are also required. Prerequisite: Completion of requirements in education, including special methods courses; recommendation by the appropriate education program faculty; 2.75 cumulative GPA and a 2.75 GPA in the major, minor, concentrations and professional course work; an official Praxis II content test score report documenting passing scores on Praxis II content tests in the appropriate certification area/discipline; and/or an official ACTFL oral and written proficiency rating of Intermediate-High for modern language certification candidates. May be repeated for credit in a subsequent semester for each additional licensure. Registration occurs through the Office of Field Experience only. Satisfactory/Unsatisfactory grading. Consent of department. Satisfactory/Unsatisfactory grading. Offered Fall, Spring.
English (ENG)

Courses

ENG 050 Cr.3
Fundamentals of Composition
English 050 will facilitate fluency in writing. It will prepare students for the writing demands encountered in English 110 and other academic environments. To learn conventions of formal academic writing and to understand and employ effective writing processes and habits are the objectives of this course. *Transcript credit does not count toward graduation. Pass/Fail grading. Offered Fall.

ENG 110 Cr.3
College Writing I
This course in composition addresses writing as a symbolic action that writers participate in for multiple purposes, with diverse audiences, and in various genres. It emphasizes writing as a thinking process through the learning and practice of rhetorical strategies for inquiry, persuasion, and collaboration in context. (Students who qualify with a grade of "C" or better in ENG 110 will be exempt from further writing requirements in the General Education skills category, but this does not exempt students from the writing emphasis course requirements. Students receiving a grade less than "C" must repeat ENG 110.) Prerequisite: ENG 050 or equivalent placement. Not open for credit for students with credit in ENG 112. Offered Fall, Spring.

ENG 112 Cr.3
College Writing AP (Advanced Placement)
This course in composition addresses writing as symbolic action that writers participate in for multiple purposes, with diverse audiences, and in various genres. It emphasizes writing as a thinking process through the learning and practice of rhetorical strategies for inquiry, persuasion, and collaboration in context. Students will be challenged at a level appropriate to their placement. (Students who qualify with a grade of "C" or better in ENG 112 will be exempt from further writing requirements in the general education skills category, but this does not exempt students from the writing emphasis course requirement. Students earning a grade lower than "C" must repeat ENG 112. Prerequisite: score of 3 or 4 on the AP Placement Tests (Rhetoric/Writing or Literature) or students with ENG 110 waiver from transfer institution. Not open for credit for students with credit in ENG 110. Offered Fall, Spring.

ENG 200 Cr.3
Literature and Human Experience
Intensive study of selected literary texts, with emphasis on various ways of reading, studying, and appreciating literature as an aesthetic, emotional, and cultural experience. Content varies with instructor. Prerequisite: ENG 110 or ENG 112 or concurrent enrollment in ENG 112. Offered Fall, Spring.

ENG 201 Cr.3
American Literature I
An exploration of American literature from early times to the late nineteenth century; including such authors as Bradstreet, Franklin, Hawthorne, Poe, Melville, and Dickinson. Prerequisite: ENG 110 or ENG 112 or concurrent enrollment in ENG 112. Offered Fall, Spring.

ENG 202 Cr.3
American Literature II
An exploration of American literature from the late nineteenth century to the present; including such authors as Twain, Freeman, James, Chopin, Frost, Hemingway, Faulkner, Wright, and Bellow. Prerequisite: ENG 110 or ENG 112 or concurrent enrollment in ENG 112. Offered Fall, Spring.

ENG 203 Cr.3
English Literature I
Encounters with major works of English literature from medieval times through the eighteenth century, including fiction, drama, essays, and poetry. Prerequisite: ENG 110 or ENG 112 or concurrent enrollment in ENG 112. Offered Fall, Spring.

ENG 204 Cr.3
English Literature II
Encounters with major works of English literature of the nineteenth and twentieth centuries, including fiction, drama, essays, and poetry. Prerequisite: ENG 110 or ENG 112 or concurrent enrollment in ENG 112. Offered Fall, Spring.

ENG 205 Cr.3
Western Literature I
An examination of the expression and development of the ideas and values of Western Civilization in time-honored works of literature ranging from Biblical times, through the Greek and Roman eras, to the European Middle Ages and the Renaissance. Prerequisite: ENG 110 or ENG 112 or concurrent enrollment in ENG 112. Offered Fall.

ENG 206 Cr.3
Western Literature II
An examination of the conflicting ideas and values of Western Civilization as expressed in the literature of the eighteenth, nineteenth, and twentieth centuries; with special attention to the literary and cultural impact of science and modern philosophy and the roots and identity of the modern age. Prerequisite: ENG 110 or ENG 112 or concurrent enrollment in ENG 112. Offered Fall.

ENG/ERS 207 Cr.3
Multicultural Literature of the United States (ES)
This course examines cultural themes in American literature in an effort to enhance student awareness of the multi-ethnic nature of American culture. Students engage in close reading, discussion, analysis, and interpretation of texts written by individuals from a variety of American ethnic and cultural backgrounds. Content varies with instructors. Prerequisite: ENG 110 or ENG 112 or concurrent enrollment in ENG 112. (Cross-listed with ERS/ENG; may only earn credit in one department.) Offered Fall, Spring.
International Studies in Literature
A study of representative authors from selected regions and ages of the world, ranging from such non-Western traditions as the Indic, Arabic, African, Chinese, and Japanese to such Western traditions as the Icelandic, Scandinavian, Australian, Russian, and South American. Content and focus vary with instructors. Prerequisite: ENG 110 or ENG 112 or concurrent enrollment in ENG 112. Offered Occasionally.

Literature of Black America (ES)
Survey and exploration of Black American prose and poetry from their eighteenth century beginnings to the end of the Harlem Renaissance and the depression years. Prerequisite: ENG 110 or ENG 112 or concurrent enrollment in ENG 112. (Cross-listed with ERS/ENG; may only earn credit in one department.) Offered Fall.

African American Authors (ES)
A study of the principal post-depression (1940 to present) African American authors, critics, and scholars which clarifies the relationship between these writers and the general field of American literature and which illustrates their unique contributions as representatives of African American culture. Prerequisite: ENG 110 or ENG 112 or concurrent enrollment in ENG 112. (Cross-listed with ERS/ENG; may only earn credit in one department.) Offered Spring.

Women and Popular Culture
Fundamentals of cultural studies, with a focus on analyzing representations of women in modern American popular culture and their historical reception. Primary texts from media such as film, television, advertising, and popular fiction will be studied for how they communicate cultural values regarding women and femininity. Prerequisite: ENG 110 or ENG 112 or concurrent enrollment in ENG 112. Offered Occasionally.

Writing Tutor Practicum
Writing Tutor Practicum is designed to offer training and supervision for Writing Center tutors. The course will include an overview of writing center history and theory, an overview of writing process theory, and examination of best practices for tutoring various client populations. Students will develop a reflective tutoring practice based on readings and course discussions. The course must be taken during the student’s first semester of employment in the Writing Center. Failure to complete the course will result in termination of employment in the Writing Center. Students who repeat the course will engage more deeply with the content. Prerequisite: permission of instructor. Prerequisite: ENG 110 or ENG 112; consent of instructor. Consent of instructor. Pass/Fail grading. Offered Fall, Spring.

Foundations for Literary Studies
An introduction to foundational knowledge and skills for the advanced study of literature. The course fosters understanding of the importance of historical, cultural, and intellectual contexts for literary study as well as appreciation for diversity of literary expression. Facility for critical work with literature is developed through expanding students’ knowledge of literary genres and their understanding and use of basic literary terminology and through enhancing their abilities to do literary research, conduct close textual analysis, and write critically about literature. Prerequisite: 3 credits in 200 level English courses. Offered Fall, Spring.
ENG 308 Cr.3
Technical Writing
An advanced writing course designed for technically oriented students whose career goals require skill in conveying technical information through writing. Students will become acquainted with the types of writing forms and rhetorical styles which they are likely to encounter as professionals and will practice using these styles with technical subjects. (Not open for credit in the English education major or minors except for credit in the professional writing minor.) Prerequisite: ENG 110 or ENG 112; at least sophomore standing. Offered Annually.

ENG 309 Cr.3
Writing in the Sciences
An advanced writing course for students in the sciences. The course will focus both on the role writing plays in the conduct of scientific work and on the rhetorical and stylistic conventions of the various scientific disciplines: in short, on the relationship between writing and scientific knowledge. Taught through an inquiry process, students will be led to develop their composition skills and understanding as they discover the procedures and conventions of their individual disciplines. (Not open for credit in the English education major or minors except for credit in the professional writing minor.) Prerequisite: ENG 110 or ENG 112; at least sophomore standing. Offered Annually.

ENG 311 Cr.3
Critical Theory
Students in this course will study various major theoretical schools and begin to develop their conceptual literacy in approaching literary and other cultural texts (for example, creative and other modes of writing, public discourses, aesthetic and/or social movements, images, film, and other media). The course will facilitate students' dynamic participation in the unfolding conversations and debates about texts and culture. Prerequisite: 3 credits in 200 level English courses. Offered Fall, Spring.

ENG 313 Cr.3
Prose Style and Editing
A practical course in developing a flexible and effective capacity for writing prose. Students will master techniques and strategies of emphasis, coherence, clarity, conciseness, balance, and rhythm. Use of tropes and figures (particularly metaphorical language and imagery) and tone will be explored in the context of rhetorical appropriateness and strategy. The course will provide students with the fundamentals of prose technique—the basis for an art, which they can continue to refine and develop for the rest of their lives. Prerequisite: ENG 110 or ENG 112. Offered Fall, Spring.

ENG 314 Cr.3
Grant Writing
This course is designed to develop knowledge of theories and practices of grant writing by including topics such as conventions of proposal writing as well as political, social and cultural aspects and practices of grant writing. Students will develop skills in identifying sources of grant funding, engage in various research methods, and learn to rhetorically respond to requests for proposals. Students will also learn to write requests for proposals, and analyze varying stakeholders and writing situations. Prerequisite: ENG 110 or ENG 112. Offered Fall, Spring.

ENG 320 Cr.3
Literary Journal Production and Publication
A workshop course in literary magazine production and publication. The class will assemble and publish Steam Ticket, a nationally-distributed literary journal that attracts submissions from international authors and artists. Emphasis will be placed on inter-disciplinary and multicultural content and participation. Repeatable for credit - maximum 6. Only 3 credits may be applied toward any individual major or minor. Prerequisite: 300 level writing course. Offered Spring.

ENG 325 Cr.3
Reporting and Copy Editing
Study of newsgathering methods; practice organizing and writing; assigning and directing reporting and writing; preparing news copy for publication. Prerequisite: ENG 110 or ENG 112. Offered Annually.

ENG 326 Cr.3
Feature and Specialized Writing
Writing feature articles for newspapers and magazines; includes study of genre and practice with information gathering, interviewing, and composing and editing techniques. Application of reporting and writing techniques to specialized areas of news, such as editorials, reviews, sports, science and business; includes critical and interpretive writing. Prerequisite: ENG 110 or ENG 112. Offered Annually.

ENG 327 Cr.3
Publishing in a Digital Age
Practice in and critical examination of publication design, including research, writing, editing, layout, design, theory, software, and digital imagery. Prerequisite: ENG 110 or ENG 112. Offered Fall.

ENG 330 Cr.3
History of the English Language
A survey of the historical development of English language structure and usage in the Old English, Middle English, Early Modern English, and Modern English periods. Prerequisite: ENG 110 or ENG 112. Offered Occasionally.

ENG 331 Cr.3
Introduction to Linguistics
An introductory survey of the major subfields of linguistics: phonetics, phonology, morphology, syntax, semantics, and pragmatics. Some attention is given to language acquisition and language variation. Prerequisite: ENG 110 or ENG 112. Offered Spring.

ENG 332 Cr.3
Modern English Grammars: Analysis of Language
An examination of traditional, structural, and transformational-generative grammar with special emphasis on one method of analyzing and describing the English language. Investigation of phonology, morphology, and syntax. Some treatment given to the historical development of grammar and the concept of usage. (Not applicable to the English minor for students who have had ENG 330.) Prerequisite: ENG 110 or ENG 112. Offered Fall, Spring.

ENG 333 Cr.3
Modern English Grammars: Analysis of Language
An examination of traditional, structural, and transformational-generative grammar with special emphasis on one method of analyzing and describing the English language. Investigation of phonology, morphology, and syntax. Some treatment given to the historical development of grammar and the concept of usage. (Not applicable to the English minor for students who have had ENG 330.) Prerequisite: ENG 110 or ENG 112. Offered Fall, Spring.

ENG 334 Cr.3
Language Study for Teachers
Designed for pre-service teachers, this course is intended to provide a theoretical base for structuring effective language education, for teaching writing and other language activities, and for understanding linguistic diversity. It will cover issues basic to understanding how language acquisition is a developmental process and how language functions in thinking, learning, and social interaction. Prerequisite: ENG 110 or ENG 112. Offered Fall, Spring.
ENG 335 Cr.3
Introduction to Professional Writing
Introduction to Professional Writing is designed as an introductory course for students who are interested in writing in professional settings. The course will include an introduction to various field definitions of professional writing, an overview of professional writing history and theory, provide space to study key concepts that are currently relevant in the field, and apply these histories and concepts to concrete documents that constitute study in the field of professional writing. Prerequisite: ENG 110 or ENG 112; sophomore standing. Offered Fall.

ENG 337 Cr.3
The Rhetorics of Style
A rhetorical study of various styles, this class systematically examines the social/cultural as well as the literary implications and impact styles have had in history. The class focuses on how understandings of style have changed throughout history and how different understandings shape strategies for interacting with audiences. Prerequisite: ENG 110 or ENG 112. Offered Occasionally.

ENG 338 Cr.3
Linguistics and Literature
Linguistic analysis of literary texts using methods in theoretical linguistics, sociolinguistics, and/or applied linguistics. No prior background in linguistics is necessary. Prerequisite: 3 credits in 200 level English courses. Offered Occasionally.

EDM/ENG 340/540 Cr.3
Children’s Literature
A basic course in literature for children of the primary grades through middle school. Special emphasis is given to picture books, easy books, storybooks, informational materials, folklore and poetry. Modern trends in the literature for this age level are highlighted. A short unit on censorship is included. No print material is used selectively. (Not open for credit in the English minor except for elementary/middle education minors.) Prerequisite: 3 credits in 200 level English courses; junior or senior standing. (Cross-listed with EDM/ENG; may only earn credit in one department.) Offered Occasionally.

EDM/ENG 341/541 Cr.3
Adolescent Literature
Survey of literature suitable for reading by adolescent boys and girls. The course is designed primarily for middle/secondary education students. (Not open for credit in the English minor except for education minors.) Prerequisite: 3 credits in 200 level English courses; junior or senior standing. (Cross-listed with EDM/ENG; may only earn credit in one department.) Offered Occasionally.

ENG 342 Cr.3
The Essay
The development of the essay form and extensive reading of contemporary examples. Prerequisite: 3 credits in 200 level English courses. Offered Occasionally.

ENG 343 Cr.3
Creative Nonfiction
An advanced course which emphasizes the personal essay, memoir, and other forms that blur the distinction between fiction and factual writing. While creative nonfiction may be informative, it may also be personal and lyrical. Students will study voice, prose style, and techniques of structuring content. Prerequisite: ENG 110 or ENG 112; 3 credits in 200 level English courses. Offered Every Third Semester.

ENG 344 Cr.3
The Novel
A course focusing on the history and development of the novel, from its putative origins in 18th-century England to its postmodern realizations on the world literature scene. Various theoretical explanations of the novel’s forms and social functions will be examined. The course will foster an understanding of the way narrative discourse functions as a mode of rhetoric, capable of persuading individual readers and even influencing historical trends. The course will also address the variety of formal approaches within the genre, from epistolary, historical and gothic novels to novels of manners, novels of social protest, and psychological and stream-of-consciousness novels. Individual instructors may select examples from both the ‘high’ and ‘low’ forms of the genre, and may include English translations of foreign works. Prerequisites: 3 credits in 200 level English courses. Offered Every Third Semester.

ENG 347 Cr.3
The Short Story
Reading the great stories of the world. Some emphasis upon modern techniques. Prerequisites: 3 credits in 200 level English courses. Offered Occasionally.

ENG 348 Cr.4
Studies in Film Literature
An introduction to the study of film and film criticism, with some attention to the history of the medium and its relation to literary genres. Prerequisites: 3 credits in 200 level English courses. Offered Annually.

ENG 349 Cr.4
Drama
An introduction to dramatic literature of the world. This course prepares the student to understand the elements of dramatic writing and staging of plays. Dramatic works will be selected from a variety of countries and historical periods to provide an overview of this genre, as well as the foundations needed for future study. Lect. 3, Lab 2. Prerequisites: 3 credits in 200 level English courses. Offered Annually.

ENG 356 Cr.3
European Literature in Translation
A course focusing on classics of European literature. Individual instructors devise their own reading lists according to their own historical or thematic approaches, but most, if not all, of the readings will be translations from European languages other than English. This course aims to give students an understanding of various genres and traditions in European literature and to facilitate an enhancement of students’ critical and communicative skills. Prerequisites: 3 credits in 200 level English courses. Offered Every Third Semester.

ENG 357 Cr.3
World Literature
A course designed to provide diversity education by studying world literatures from different regions and historical periods, ranging from ancient to modern Middle East, Africa, Asia, South Asia, Europe, and the Americas. Focus and content will vary with instructor. However, each instructor will cover at least two distinct world traditions. Prerequisites: 3 credits in 200 level English courses. Offered Annually.

ENG 361 Cr.3
Old and Middle English Literature
An introduction to the study of Old and Middle English literature with attention to the development of genres and styles which shaped early English literary traditions. Prerequisites: 3 credits in 200 level English courses. Offered Annually.
ENG 362 Cr.3

English Renaissance
Study of the major writers of the sixteenth and seventeenth centuries in England. Emphasis on Spenser, Sidney, Jonson, Marlowe, Herrick, Herbert, Donne and others. Shakespeare’s non-dramatic work also will be included in the study of this period. Prerequisites: 3 credits in 200 level English courses. Offered Every Third Semester.

ENG 363 Cr.3

Shakespeare I
Close study of several principal plays, chiefly from the early and middle parts of Shakespeare’s career. Prerequisites: 3 credits in 200 level English courses. Offered Fall, Spring.

ENG 364 Cr.3

Shakespeare II
Close study of principal plays, chiefly plays coming after ‘Hamlet.’ Prerequisites: 3 credits in 200 level English courses. Offered Fall, Spring.

ENG 366 Cr.3

Restoration and Eighteenth-Century British Literature
Study of the principal works of the period 1660-1800, with emphasis on Dryden, Swift, Defoe, Pope, Fielding, Johnson, and Boswell. Prerequisites: 3 credits in 200 level English courses. Offered Every Third Semester.

ENG 367 Cr.3

19th Century British Literature
Study of the finest poetry, fiction, drama and essays of the Romantic and Victorian periods of British literature, 1798-1901, with attention to the social, philosophical, and literary movements that engendered them. Prerequisites: 3 credits in 200 level English courses. Offered Annually.

ENG 368 Cr.3

British Literature After 1900
A foundational course in the literature of the British Isles in the twentieth and twenty-first centuries. The course focuses on major British writers and literary developments, with emphasis on the ways this literature reflects changing British cultural identity and maintains continuity with the literary heritage out of which it develops. Prerequisites: 3 credits in 200 level English courses. Offered Annually.

ENG 370 Cr.3

Early American Literature
Study of selected authors and works by and about the geographical region of North America which becomes the United States and bordering cultures, including American Indian, Chicano, and Jewish. Emphasis on Spenser, Sidney, Jonson, Marlowe, Herrick, Herbert, Donne and others. Shakespeare’s non-dramatic work also will be included in the study of this period. Prerequisites: 3 credits in 200 level English courses. Offered Spring.

ENG 371 Cr.3

Nineteenth Century American Literature
A foundational study of important writers, movements, and themes in 19th century American literature. American Romanticism, the cultural forces surrounding the Civil War era, industrialization, immigration, the rise of urban culture, expansion West, and other similar contexts may be developed to explore the literary styles and genres of the developing American literary sensibility. Prerequisites: 3 credits in 200 level English courses. Offered Spring.

ENG 372 Cr.3

American Literature After 1900
This course provides an introduction to some of the major 20th century writers and literary movements in the United States, in historical and cultural contexts. Historical currents and cultural movements will be primary emphases in text selection in order to familiarize students with literary developments such as Modernism and Post-modernism. Readings will be selected from major genres, including poetry, fiction, drama and autobiography. Prerequisites: 3 credits in 200 level English courses. Offered Spring.

ENG 373 Cr.3

Latino Literature in English
Study of representative works in original English or translation by writers of Mexican American, Cuban American, Puerto Rican, and other Latino or Latin American origins, emphasizing the aesthetic dimensions of this literature as well as its historical roots and contemporary cultural contexts. Prerequisites: 3 credits in 200 level English courses. Offered Annually.

ENG 374 Cr.3

American Indian Literature
Study of selected works representative of American ethnic and minority cultures, including American Indian, Chicano, and Jewish. Emphasis will vary according to the interests of students and the instructor. Prerequisites: 3 credits in 200 level English courses. Offered Occasionally.

ENG 375 Cr.3

Women Authors
This course examines how women’s literature reflects the causes and nature of women’s places in society and their creation of alternative visions and strategies, with a focus on women’s negotiation of established traditions of authorship. Primary readings will span literary periods and genres. Authors may include Sappho, Marie de France, Katherine Phillips, Mary Astell, Mary Wollstonecraft, Mary Shelley, Charlotte Bronte, Phyllis Wheatley, Lillian Hellman, Djuna Barnes, George Eliot, Virginia Woolf, Angela Carter, Joyce Carol Oats, Toni Morrison, Zadie Smith. Prerequisites: 3 credits in 200 level English courses. Offered Annually.

ENG 400/500 Cr.1-3

Workshop
Projects involving trends and issues in composition, language, or literature related to various professional uses of English, with a central topic to be announced before each workshop. No more than three credits are applicable to an English major or minor. Repeatable for credit - maximum 6. Prerequisite: junior standing. Offered Occasionally.

ENG 403 Cr.1-3

Individual Projects
Directed individual studies under the supervision of a department faculty member. Repeatable for credit - maximum 3. Prerequisite: 12 credits and excellent grades in English courses. Consent of instructor. Offered Fall, Spring.
**ENG 405/605 Cr.4**

**Teaching and Learning English in the Secondary School**

This course will be integrated with a field experience. In the context of a real classroom, teacher candidates will learn how to plan for and assess student learning in English. With a focus on content knowledge, teacher candidates will plan a variety of meaningful learning experiences, assess student learning, and monitor and modify instruction to best support the individual learners in the classroom. The teacher candidate will design, enact, and assess activities that advance student understanding to more complex levels. Teacher candidates will gain experience in monitoring the obstacles and barriers that some students or groups of students face in school; candidates will learn how to design learning experiences to support all learners. Prerequisite: EDS 351; ENG 301. Offered Fall, Spring.

**ENG 413 Cr.1-3**

**Writing Portfolio**

A workshop course in which students assemble portfolios of their work, demonstrating their abilities as writers. English majors with an emphasis in rhetoric and writing and professional writing minors will be in the same section; however, writing minors, unless they elect the 3-credit option, will meet the class only one a week and will have a 1-credit work load. Prerequisite: senior standing. Offered Fall, Spring.

**ENG 415 Cr.3**

**Topics in Critical Theory**

This course advances a reflective understanding of the processes of reading, writing, and interpretation of literary and cultural artefacts. Students will gain an understanding of concepts and methodologies drawn from one or more fields of the humanities as they pertain to a specific issue or area of critical theory. Content varies with instructor. Repeatable for credit - maximum 6. No more than 3 credits may be applied to an English major or minor. Prerequisites: 3 credits in 200 level English courses. Offered Alternate Years.

**ENG 416 Cr.3**

**Seminar in Advanced Fiction Writing**

The writing of fiction under the guidance of an experienced fiction writer. Classes will operate on the workshop model, with as many individual conferences between students and teacher as possible. The class will also include information about literary magazines, ideas about publishing, and visits from other fiction writers. Prerequisite: ENG 305. Consent of instructor. Offered Alternate Years.

**ENG 417 Cr.3**

**Seminar in Advanced Poetry Writing**

An advanced seminar in writing poetry with an experienced poet. Emphasis on the creative process, poetics, revision, Workshop format and individual tutorial meetings with poet. The class will also include information about literary magazines, ideas about publishing, and visits from other poets. Prerequisite: ENG 305. Consent of instructor. Offered Alternate Years.

**ENG 433 Cr.3**

**Introduction to Teaching Writing**

Introduces students to histories, theories, and practices that will enable them to make effective choices as teachers of writing. Areas of study include a brief history of writing instruction in U.S. schools, including an overview of influential theories; the development and implementation of writing assignments; and theories and best practices for responding to student writing. Students engage these issues both as writers and as future teachers. This specific preparation to teach writing builds on students' disciplinary knowledge and more general courses in education theory and practice. Prerequisite: senior standing; English major and minor plans must have six credits in 300 level English courses. Offered Fall.

**ENG 434 Cr.3**

**Chinese Discourse**

This course compares and contrasts discourse in China to that in the West. It examines the culturally similar and crucially different ways of creating, elaborating, and presenting the writer’s ideas. Introducing the students to a culture at once similar to and different from their own, the course activates the students' implicit knowledge of their own cultural/discursive heritages and supplements that knowledge when necessary. Readings for this class include ancient and modern Chinese philosophical essays, literary works, and writings on both Chinese calligraphy and paintings in relation to Chinese thinking. All texts used are in English. Prerequisite: 3 credits in 200 level English courses. Offered Alternate Years.

**ENG 439 Cr.3**

**Topics in Linguistics**

Study of linguistics topics of special interest. Topics reflect the research interests of instructors and new developments in the discipline. For current content, consult the instructor or the English Department. Repeatable for credit - maximum 6. Only three credits may be applied to an English major or minor. Prerequisite: ENG 110 or ENG 112; sophomore standing. Offered Occasionally.

**ENG 445 Cr.3**

**Literature and Environmental Action**

A study of literature of many genres written by nature and environmentalist writers, both traditional and contemporary, all serving as models for students' essays and projects. Prerequisite: 3 credits in 200 level English courses. Offered Alternate Years.

**ENG 446 Cr.3**

**Forms of Fiction**

An investigation of traditional and contemporary narrative forms and some problems involved in writing within them. Students will be invited to write fictions of various kinds and find solutions to specific writing problems. Each student will present a seminar paper on aspects of narrative form in the work of a representative writer. Prerequisite: ENG 305. Offered Alternate Years.

**ENG 449 Cr.3**

**Forms of Poetry**

An investigation of traditional and contemporary forms of poetry. Students will be asked to write poems in various forms. In addition, each student will present a seminar paper on aspects of form in the work of an established poet. Prerequisite: ENG 305. Offered Alternate Years.

**ENG 450 Cr.2-6**

**English Internship**

An internship of the English Department to offer its majors and minors opportunities to learn, on the job, how to apply language skills acquired from course work. Students can select jobs or field experiences related to writing and communication skills. These experiences could be with government agencies, business firms, and industry or community agencies locally or throughout the U.S. While many internships are remunerative, not all are necessarily so. Only jobs and experiences approved by an adviser in the English department and the English department chairperson are acceptable for credit. Students interning will be expected to make regular reports to their English adviser and to comply with any course arrangements that the adviser should deem suitable. Applies only to rhetoric/writing emphasis of the English major and to the professional writing minor. Repeatable for credit - maximum 6. Prerequisite: junior standing; consent of adviser; a cumulative GPA of 2.50 required. Consent of Instructor. Pass/Fail grading. Offered Fall, Spring.
ENG 452 Cr.3

**Professional Writing Practicum**

This course is designed as a practicum for the professional writing minor. Students will participate in a practicum and also in one course meeting a week. In addition to offering workplace writing experience, this course will cover issues of professionalism, legalities of writing for an organization, discussions of various participant experiences/learned knowledge, and it will end with the completion of a portfolio. Prerequisite: ENG 110 or ENG 112; junior standing. Offered Fall, Spring.

ENG 462 Cr.3

**Seminar in British Literature**

A seminar in British literature which involves advanced study of major British authors, works, genres and sub-genres, techniques and styles. The seminar may explore a particular literary/aesthetic development or idea, trace its roots in the past and examine its relevance to the present. With a change in emphasis, the seminar may center on several major movements and representative authors across time studied in light of historical contexts and/or from the analytic and aesthetic perspectives provided by contemporary developments in literary and critical theory. Students in the seminar are expected to engage in independent reading and research. Repeatable for credit - maximum 6. No more than 3 credits may be applied to an English major or minor. Prerequisite: ENG 301. Offered Occasionally.

ENG 463 Cr.3

**Chaucer**

Careful study of the Canterbury Tales and selected other poems. Some attention to language and pronunciation. Prerequisite: 3 credits in 200 level English courses. Offered Alternate Years.

ENG 464 Cr.3

**Milton**

Poetry and selected prose. Emphasis on Paradise Lost. Some attention given to Milton’s life and times. Prerequisite: 3 credits in 200 level English courses. Offered Occasionally.

ENG 466 Cr.3

**British Romanticism (1770-1830)**

This course examines the works of many British writers, as they broke free from the tenets of the Enlightenment on their individual paths to self-expression. Romantic writers pursued several literary genres (essays, poems, novels, personal narrative, memoir) as texts to explore the concerns of all individuals in society. Works by Anna Barbauld, Mary Robinson, Mary Wollstonecraft, William Blake, Charlotte Smith, William Wordsworth, Dorothy Wordsworth, Samuel Coleridge, Thomas DeQuincey, Charles Lamb, John Keats, Percy Shelley, Mary Shelley, and others are studied. Prerequisite: 3 credits in 200 level English courses. Offered Every Third Semester.

ENG 467 Cr.3

**Victorian Poets**

Browning, Tennyson, the Pre-Raphaelites, and others. Prerequisite: 3 credits in 200 level English courses. Offered Every Third Semester.

ENG 469 Cr.3

**Post-Colonial Anglophone Literatures**

The course surveys important works (poetry, fiction, non-fiction, drama, autobiography) of literature of Anglophone writers in a selection of the formerly colonized countries of the British Empire. The course examines literary texts within their historical contexts. Prerequisite: 3 credits in 200 level English courses. Offered Every Third Semester.

ENG 470 Cr.3

**Seminar in American Literature**

A seminar in American literature, chosen from 17th century to the present, including American colonial culture and not strictly bounded by the borders of present-day United States; advanced study of author(s), works, genres and sub-genres, techniques and styles, theme or setting, and more. With change in emphasis and instructor, the seminar could present an historical development or an intense focus on a particular subject. Students are expected to engage in extensive independent reading and research, as well as presentation of research findings to class and moderating further discussion. Repeatable for credit - maximum 6. No more than 3 credits may be applied to an English major or minor. Prerequisite: ENG 301. Offered Occasionally.

ENG 471 Cr.3

**American Romanticism**

Selected authors and works of Revolutionary, Federal, and Pre-Civil War America, Romanticism describes a form and ideology continuing within the mainstream of American literature. Reading of ‘classic’ writers like Washington Irving, Louisa May Alcott, Henry Wadsworth Longfellow, Edgar Allan Poe, and Nathaniel Hawthorne is complemented by writers dissenting from literary culture such as Ralph Waldo Emerson, Henry David Thoreau, Herman Melville, Margaret Fuller, Frederick Douglass, Emily Dickinson, and Walt Whitman, as well as writers of the southern and western states. Prerequisite: ENG 301. Offered Occasionally.

ENG 472 Cr.3

**American Realism**

Selected reading of authors and works of regions of the United States, to show Realism exists in variety as popular literature, primarily prose fiction and social commentary. Realism presumes diversity and multicultural literature, and its narrative technique requires readers to participate in creating and concluding ‘meaning.’ Prerequisite: ENG 301. Offered Occasionally.

ENG 476 Cr.3

**Fiction and Nonfiction of Richard Wright**

A study of Richard Wright’s fiction and nonfiction: illustrative of his versatility as a literary artist and of his aesthetic and intellectual leadership among African-American authors after the Harlem Renaissance. ENG 210 or 215 recommended. Prerequisite: 3 credits in 200 level English courses. Offered Every Third Semester.

ENG 477 Cr.3

**African American Essay and Short Story**

An examination of the African American literary short form, specifically the essay and short story, across literary periods, includes such writers as D. Walker, F. Harper, M. Delany, C. Chesnutt, P. Dunbar, P. Hopkins, W. DuBois, L. Hughes, C. McKay, Z. Hurston, R. Wright, J. Baldwin, A. Baraka, E. Cleaver, S. Sanchez, and L. Reed. ENG 210 or 215 recommended. Prerequisite: 3 credits in 200 level English courses. Offered Every Third Semester.

ENG 478 Cr.3

**20th Century African American Novels**

A study of significant novels written by preeminent twentieth-century African American writers, including DuBois, Toomer, Wright, Ellison, Baraka, and Morrison. Prerequisite: 3 credits in 200 level English courses. Offered Every Third Semester.

ENG 481 Cr.3

**Seminar in Literature and Culture**

Advanced study of literature within a focused cultural context. Emphases might include literatures of particular ethnic cultures; transnational or regional literatures; literatures of identity; and cultural studies approaches to other literary topics. Focus will vary with instructor. Repeatable for credit - maximum 6. No more than 3 credits may be applied to an English major or minor. Prerequisite: ENG 301. Offered Occasionally.
ENG 482 Cr.3
Advanced Study of Women’s Literature
This course offers advanced study of particular aspects of women’s aesthetic expression – the novel, poetry, drama, film, autobiography, and other genres are possible primary texts. Students will engage with advanced theoretical approaches through critical/contextual readings, while studying the gendered politics of producing and consuming women’s artistic work. Approaches might include cultural studies, psychoanalytic theory, socio-linguistics, global matriarchal traditions, new historicism, and feminist theory. Focus will vary with instructor. Prerequisite: three credits of a 200 level ENG course. Offered Occasionally.

ENG 484 Cr.2
Capstone: Literary Studies
A required course for senior English majors with literature emphasis. Readings representative of contemporary approaches to literary studies. (Students will formulate and develop an appropriate issue relating the course readings to material encountered in a prior or concurrent 400-level course and carry out independent research on the topic, culminating in a long paper.) Students will build a research community through proposals, presentations and discussions of their work for the course. Prerequisite: Completion of all 300-level course requirements; concurrent enrollment in one course from major category IIa designated as seminar or permission from department chair to substitute other 400-level course work for the research paper. Typically taken in the final semester of course work. Prerequisite: senior standing. Offered Spring.

ENG 494 Cr.1-3
Advanced Topics in Literature
Advanced study of literary topics of special interest. Topics reflect the research interests of instructors and new developments in the discipline. For current content, consult the instructor or the English Department. Only 3 credits may be applied to an English major or minor. Consult English department for application to the English major or minor. ENG 301 required for English majors, recommended for all others. Repeatable for credit - maximum 6. Prerequisite: 3 credits in 200 level English courses. Offered Occasionally.

ENG 495 Cr.3
Advanced Study of Major Authors
Study beyond the survey or period level in the works of some English or American author or authors. Repeatable for credit - maximum 6. Only three credits may be applied to an English major or minor. Prerequisite: 3 credits in 200 level English courses. Offered Occasionally.

ENG 497 Cr.3
Seminar in Rhetoric and Writing Studies
A seminar for advanced study in rhetoric and composition. Topics will vary according to the instructor. For the current content, consult instructor or department chair. Repeatable for credit - maximum 6. No more than 3 credits may be applied to an English major or minor. Prerequisite: ENG 333; at least junior standing. Offered Fall, Spring.

English as a Second Language (ESL)
+ next to a course number indicates a general education course

Courses
ESL 100 Cr.4
ESL Speaking
This course provides opportunities for students to practice speaking English in structured and semi-structured situations. Special attention is given to a limited set of functions (such as requesting, apologizing and complaining). Pronunciation work focuses on basic regularities of English pronunciation. Prerequisite: nonnative speakers of English and appropriate score on ESL placement test. (Transcript credit only. Does not count toward graduation. Performance at 80% is required for a grade of pass.) Repeatable for credit - maximum 8. Pass/Fail grading. Offered Fall, Spring, Summer.

ESL 101 Cr.4
ESL Reading
Focus is on comprehension of reading passages with time limits and with understanding of main and supporting ideas. Students increase their passive vocabularies through the study of word formation and by learning to use an English-English dictionary. Reading skills such as skimming, scanning, prediction, use of context clues and recognizing thought groups are also stressed. Prerequisite: non-native speakers of English and appropriate score on ESL placement test. (Transcript credit only. Does not count toward graduation. Performance at 80% is required for a grade of pass.) Repeatable for credit - maximum 8. Pass/Fail grading. Offered Fall, Spring, Summer.

ESL 102 Cr.4
ESL Writing/Grammar
Focus is on the basics of writing: spelling, punctuation, paragraphing and simple organizational patterns. Writing includes controlled exercises and some free writing. Prerequisite: non-native speakers of English and appropriate score on ESL placement test. (Transcript credit only. Does not count toward graduation. Performance at 80% is required for a grade of pass.) Repeatable for credit - maximum 8. Pass/Fail grading. Offered Fall, Spring, Summer.

ESL 103 Cr.4
ESL Listening
This course gives students practice in understanding samples of spoken English of limited length and complexity and prepares students to understand segments of natural conversation on a variety of topics. Special attention is given to the various phonetic shapes that words can have. Prerequisite: non-native speakers of English and appropriate score on ESL placement test. (Transcript credit only. Does not count toward graduation. Performance at 80% is required for a grade of pass.) Repeatable for credit - maximum 8. Pass/Fail grading. Offered Fall, Spring, Summer.

ESL 110 Cr.4
ESL Speaking
This course provides opportunities for students to prepare and give speeches/oral presentations. Students also gain a greater ability to use informal, conversational English. Special attention is given to language function, pronunciation, and intonation. Prerequisite: non-native speakers of English and appropriate score on ESL placement test and/or successful completion of ESL 100. (Transcript credit only. Does not count toward graduation. Performance at 80% is required for a grade of pass.) Repeatable for credit - maximum 8. Pass/Fail grading. Offered Fall, Spring, Summer.
ESL 111 Cr.4

ESL Reading

This course provides opportunities for students to develop their reading skills in meaningful ways, enabling them to use academic texts outside of class successfully. Focus will be on reading skills such as summarizing, paraphrasing, skimming, scanning, making inferences, and distinguishing between different purposes for reading. Prerequisite: non-native speakers of English and appropriate score on ESL placement test and/or successful completion of ESL 101. (Transcript credit only. Does not count toward graduation. Performance at 80% is required for a grade of pass.) Repeatable for credit - maximum 8. Pass/Fail grading. Offered Fall, Spring, Summer.

ESL 112 Cr.4

ESL Writing/Grammar

Focus is on improving students’ ability to write convincing English paragraphs and essays with greater fluency. The basics of writing are reviewed. Prerequisite: non-native speakers of English and appropriate score on ESL placement test and/or successful completion of ESL 102. (Transcript credit only. Does not count toward graduation. Performance at 80% is required for a grade of pass.) Repeatable for credit - maximum 8. Pass/Fail grading. Offered Fall, Spring, Summer.

ESL 113 Cr.4

ESL Listening

This course introduces students to English used in an educational context. Emphasis is on note taking by listening to short lectures. Conversational English listening skills are also studied including topics such as guessing meaning from context, stressed words, and understanding fast English. Prerequisite: non-native speakers of English and appropriate score on ESL placement test and/or successful completion of ESL 103. (Transcript credit only. Does not count toward graduation. Performance at 80% is required for a grade of pass.) Repeatable for credit - maximum 8. Pass/Fail grading. Offered Fall, Spring, Summer.

ESL 150 Cr.4

ESL Speaking/Listening

Special attention is given to communication strategies - developing ways to communicate when pronunciation or vocabulary limitations make communication difficult. Prepares students for academic lectures by introducing standard forms of organization and common transition signals used in American Pronunciation work emphasizes stress and intonation and problems of individual students. Prerequisite: non-native speakers of English and appropriate score on ESL placement test and/or successful completion of ESL 110. (Transcript credit only. Does not count toward graduation. Performance at 80% is required for a grade of pass.) Pass/Fail grading. Offered Fall, Spring, Summer.

ESL 151 Cr.4

ESL Writing/Grammar

Focus is on drawing inferences from a reading, recognizing paraphrase, identifying the author’s point of view, and using knowledge of the structure of readings to aid comprehension. Prerequisite: non-native speakers of English and appropriate score on ESL placement test and/or successful completion of ESL 111. (Transcript credit only. Does not count toward graduation. Performance at 80% is required for a grade of pass.) Pass/Fail grading. Offered Fall, Spring, Summer.

ESL 152 Cr.4

ESL Reading

Focus is on a variety of organizational patterns, with review of the basics of writing. Students are introduced to elements of the writing process, including prewriting, revision and editing. Reviews and adds to students’ skills of basic structures, emphasizing increasingly complex structures, with attention to form, meaning and use. Prerequisite: non-native speakers of English and appropriate score on ESL placement test and/or successful completion of ESL 112. (Transcript credit only. Does not count toward graduation. Performance at 80% is required for a grade of pass.) Pass/Fail grading. Offered Fall, Spring, Summer.

ESL 153 Cr.4

U.S. Culture Today

This course gives students an understanding of the United States from practical and sociological perspectives. Reading, writing, listening, and speaking activities focus on information about daily life, values, beliefs, and social problems. Prerequisite: Non-native speakers of English and/or appropriate score on ESL placement test. (Transcript credit only. Does not count toward graduation. Performance at 80% is required for a grade of pass.) Pass/Fail grading. Offered Fall, Spring, Summer.

ESL 155 Cr.1-16

Special Topics in ESL

These courses are designed for special or contract groups in need of intensive English for non-academic purposes. Listening, reading, speaking, writing and cultural activities will be stressed, according to group needs. Each program-design could be for 1-16 institute credits according to contractual agreements and amount of intensive English required. Prerequisite: non-native speakers of English and/or appropriate score on ESL placement test. (Transcript credit only. Does not count toward graduation. Performance at 80% is required for a grade of pass.) Pass/Fail grading. Offered Fall, Spring, Summer.

ESL 200 Cr.4

ESL Speaking/Listening

Emphasis is on the use of English in academic settings as well as in conversation. Course concentrates on lecture comprehension, with special attention to note taking, recognizing main ideas and support and determining the attitude of the speaker toward the subject. Students also work on comprehension of complex information presented in non-lecture format, as in the dynamics of small-group discussion. Pronunciation focuses on individual needs of students. Prerequisite: non-native speakers of English and appropriate score on ESL placement test and/or successful completion of ESL 150. (Transcript credit only. Does not count toward graduation. Performance at 80% is required for a grade of pass.) Pass/Fail grading. Offered Fall, Spring, Summer.

ESL 201 Cr.4

ESL Reading

Emphasis is on reading for academic purposes. Students work on comprehension of academic reading selections, as well as challenging non-academic material. Students work on tone and distinguishing fact from opinion. Prerequisite: non-native speakers of English and appropriate score on ESL placement test and/or successful completion of ESL 151. (Transcript credit only. Does not count toward graduation. Performance at 80% is required for a grade of pass.) Pass/Fail grading. Offered Fall, Spring, Summer.
ESL 202 Cr.4
ESL Writing/Grammar
Emphasis is on writing as a process of thinking, planning, writing and rewriting. Increased emphasis is placed on writing for academic purposes. Reviews and adds to students' repertoire of structures with increased emphasis on the verb phrase and on control of grammar in writing. Prerequisite: non-native speakers of English and appropriate score on ESL placement test and/or successful completion of ESL 152. (Transcript credit only. Does not count toward graduation. Performance at 80% is required for a grade of pass.) Pass/Fail grading. Offered Fall, Spring, Summer.

ESL 203 Cr.4
ESL Lecture/Note Taking
This course is designed to prepare students for college-level listening challenges. Students are introduced to a variety of academic lectures via different media. Students learn strategies for effective note-taking. Prerequisites: Non-native speakers of English and appropriate score on ESL placement test, and/or successful completion of ESL 153. (Transcript credit only. Does not count toward graduation. Performance at 80% is required for a grade of pass.) Pass/Fail grading. Offered Fall, Spring, Summer.

ESL 250 Cr.4
ESL Speaking
Focus is on strategies and techniques for success in academic classes, including formal and informal oral discourse patterns needed for American classes. Prerequisite: non-native speakers of English and/or appropriate score on ESL placement test and/or successful completion of ESL 200. Offered Fall, Spring, Summer.

ESL 251 Cr.4
U.S. Culture and Film
Focus is on development of listening, speaking, reading and cultural understanding through the medium of American movies, television and related articles. Prerequisite: non-native speakers of English and/or appropriate score on ESL placement test. Offered Spring.

ESL 252 Cr.4
ESL Writing/Grammar
Focus is on skills needed at every stage of the writing process: finding a topic, determining an approach to the topic, assessing the audience, planning and drafting a coherent composition, revising and editing. Students learn to adapt their writing to the American audience and topic and to look at their own writing critically. Prerequisite: non-native speakers of English and/or appropriate score on ESL placement test and/or successful completion of ESL 202. Offered Fall, Spring, Summer.

ESL 253 Cr.4
ESL Research paper
This course is designed to prepare students for college-level reading and writing challenges. It introduces students to the kind of writing that they are likely to encounter throughout their college career-summarizing, paraphrasing, critiquing, and synthesizing. The course reviews the process of research-gathering materials, selecting sources, and arranging information. Students will learn how to use and cite sources. Drafting, revising, and proofreading skills will be developed. Prerequisites: Non-native speakers of English and appropriate score on the ESL placement test and/or successful completion of ESL 202. Offered Fall, Spring, Summer.

ESL 255 Cr.1-16
Special Topics in ESL
Focus for these content-based courses in ESL is on strategies and techniques for success in academic classes, including vocabulary development, lecture comprehension, textbook reading, note and test-taking. Topics may vary by semester and may be offered as adjunct courses to those in the regular university curriculum. Repeatable for credit - maximum 16. Prerequisite: non-native speakers of English and/or appropriate score on ESL placement test. Offered Fall, Spring, Summer.

Environmental Studies (ENV)

Environmental Sustainability
What can we do as individuals and as a society to meet our own needs without harming future generations? This seminar course approaches sustainability as a way of asking better questions, drawing from many disciplines and practical experiences. Students will discuss environmental sustainability for multiple scales, including personal lifestyles, organizations, businesses, and public infrastructure systems. Prerequisite: ENV 201. Offered Annually.

ENV 301 Cr.3
Introduction to Environmental Studies
An interdisciplinary, introductory seminar which will explore current environmental issues from a variety of perspectives (scientific, historical, and social) and disciplines (natural sciences, social sciences, and humanities). Attitudes toward the natural world and approaches to public and private decision-making will also be examined. Some field trips will be used to examine local and regional practices and issues. Offered Fall, Spring.

ENV 303 Cr.3
Issues in Environmental Studies
This fully interdisciplinary seminar provides the opportunity to gain understanding of the scientific, historical, and ethical issues in ecological literacy and environmental responsibility by focusing on a specific environmental concern. Selected environmental issues with a specific focus will be offered. Examples are forestry, ground water, air pollution, ozone depletion, sustainable agriculture, overpopulation. Each offering will have a specific title according to the topic. Repeatable for credit - maximum 6. Prerequisite: ENV 201. Offered Fall, Spring.

ENV 450 Cr.3
Internship in Environmental Studies
Direct work experience with an agency or organization that deals with environmental issues or problems from an interdisciplinary perspective. The student works under supervision of both faculty adviser and agency staff member. Examples of sites include governmental agencies, advocacy groups, environmental education centers, alternative technologies companies, and environmental compliance divisions of corporations. All internships must be approved in the semester prior to the semester that the internship occurs. Prerequisite: ENV 201; declared environmental studies minor; consent of environmental studies director; junior standing. Consent of instructor. Offered Fall, Spring, Summer.
Ethnic and Racial Studies (ERS)

COURSES

+ERS 100 Cr.3
Introduction to Ethnic and Racial Studies (ES)
An examination of the persistence of minority and ethnic problems in the United States and consideration of the contributions, parallels, similarities, and differences between and among ethnic and minority groups. Offered Fall, Winter, Spring, Summer.

+ENG/ERS 207 Cr.3
Multicultural Literature of the United States (ES)
This course examines cultural themes in American literature in an effort to enhance student awareness of the multi-ethnic nature of American culture. Students engage in close reading, discussion, analysis, and interpretation of texts written by individuals from a variety of American ethnic and cultural backgrounds. Content varies with instructors. Prerequisite: ENG 110 or ENG 112 or concurrent enrollment in ENG 112. (Cross-listed with ERS/ENG; may only earn credit in one department.) Offered Fall, Spring.

+ENG/ERS 210 Cr.3
Literature of Black America (ES)
Survey and exploration of Black American prose and poetry from their eighteenth century beginnings to the end of the Harlem Renaissance and the depression years. Prerequisite: ENG 110 or ENG 112 or concurrent enrollment in ENG 112. (Cross-listed with ERS/ENG; may only earn credit in one department.) Offered Fall.

+ENG/ERS 215 Cr.3
African American Authors (ES)
A study of the principal post-depression (1940 to present) African American authors, critics, and scholars which clarifies the relationship between these writers and the general field of American literature and which illustrates their unique contributions as representatives of African American culture. Prerequisite: ENG 110 or ENG 112 or concurrent enrollment in ENG 112. (Cross-listed with ERS/ENG; may only earn credit in one department.) Offered Spring.

+ERS 220 Cr.3
Ethnic and Racial Stereotyping in the Media
This course will trace how popular entertainment mediums such as film, television, books, comics, "wild west shows," music and cartoons have impacted perceptions of ethnic and racial groups from the early seventeenth century to the present. Besides analyzing the persuasive power of these types of mediums, it will examine why such representations were created and why they still persist. The mythopoeic image that surrounds American Indians, African Americans, Asian Americans, Hispanics, and other minority groups will be juxtaposed against the historical reality that these groups have faced and the contemporary inequalities that we still must confront. Prerequisite: ERS 100. Offered Fall, Spring.

ERS 253 Cr.3
Introduction to Wisconsin Indians
An introductory examination of Wisconsin Indians with specific reference to the Ho-Chunk, Menominee, Ojibwa, Oneida, Potawatomi, and the Stockbridge-Munsee communities. An interdisciplinary approach will be used to explore topics including sovereignty, land use and environmental issues, education, economic development, social issues and challenges, and tribal identity. The course also will explore each tribe's responses to both state and federal governments. Offered Fall, Spring.

ERS 300 Cr.1-3
Topics and Symposium in Minority Studies
Topics selected by the individual instructor or by the students and instructor together. Special interest of both the instructor and students such as Black drama or Native American art, or other areas of concern which are either not covered or briefly dealt with in formal course work may be the vehicles for this offering. Repeatable for credit - maximum six. Offered Occasionally.

ERS/PHL 321 Cr.3
American Indian Thought
Reflection on the Native American ways of thinking as manifest in the literature of various select tribes, on the essential characteristics of thinking commonly shared by Native Americans, and on the fundamental difference between the Native American ways of thinking and those of the dominant (white) culture. The "primal world" of Native American thought will be studied as an alternative to the western way of thinking. Prerequisite: ERS 100. (Cross-listed with ERS/PHL 321; may only earn credit in one department.) Offered Occasionally.

ERS/SOC 343 Cr.3
American Indian Contemporary Issues
This course is an interdisciplinary examination of American Indian contemporary experience in the United States. It will introduce students to some of the critical issues in American Indian studies by examining the place of American Indians within the American imagination, politics and society. The course concentrates on issues of tribal sovereignty, economics, social class and structure, and the difficulties of maintaining a tribal identity in the 21st century. Prerequisite: one of the following: EFN 205, ERS 100, ERS 253, HIS 310, SOC 225, or WGS 230. (Cross-listed with ERS/SOC; may only earn credit in one department.) Offered Fall.

ERS 351 Cr.3
Ethnic and Racial Relations
An introductory course that examines leading theories of racial and ethnic relations in the United States and assesses their significance and relevance in explaining historic and contemporary relations between the white majority and the racial and ethnic minorities. It also analyzes and evaluates the impact of various laws, policies, and programs on racial and ethnic relations. Prerequisite: ERS 100. Offered Spring.
ANT/ERS/SOC 362 Cr.3

Hmong Americans
This is an introductory course to Hmong American history, culture, and contemporary life. The course reviews Hmong history within the context of U.S. foreign policy in Southeast Asia from 1945 to 1975 and examines the sociocultural transformations that have been taking place in Hmong American communities across the U.S. since 1976. Prerequisite: ANT 101 or ANT 195 or SOC/ANT 202 or ARC 100 or SOC 110 or SOC 120. (Cross-listed with ANT/ERS/SOC; may only earn credit in one department.) Offered Occasionally.

ERS/SOC 363 Cr.3

American Indians and the Environment
This course introduces students to American Indian environmental issues. Topics include treaty-based hunting, fishing and gathering rights, air and water quality regulatory authority, environmental racism, toxic and nuclear waste disposal on Indian lands, mining and hydroelectric dams, sacred sites, and Indian vs. Western perceptions of the environment. Special attention will be given to current environmental controversies in Wisconsin Indian country. Prerequisite: one of the following: EFN 205; ERS 100, ERS 253; ERS/SOC 343; SOC 225, SOC 328. (Cross-listed with ERS/SOC; may only earn credit in one department.) Offered Occasionally.

ERS 400/500 Cr.1-3

Individual Study in Ethnic and Racial Studies
Directed reading and research under the supervision of an instructor. Repeatable for credit - maximum six. Prerequisite: junior standing. Consent of instructor. Offered Fall, Spring.

ERS/HIS 409 Cr.3

20th Century Civil Rights Movement
This course explores the modern civil rights movement in the US and the struggle for African Americans and other marginalized groups to gain equal rights in voting, education, employment, housing, and other facets of life in the US. It begins with the MOWM and examines the seemingly paradoxical philosophies of civil rights organizations such as CORE, SNCC, SCLC, BPP, AIM, SDS and other civil rights leaders, and local people in shaping their own destinies. It highlights and interrogates major national and local political struggles and their reciprocal relationships with international political and anti-colonial movements from 1941 to the present. It concludes with exploring the link between convict leasing, prison reform movements, political prisoners, and the prison industrial complex as the New Jim Crow. Prerequisite: ERS 100. (Cross-listed with ERS/HIS 409; may only earn credit in one department.) Offered Fall.

ERS 410/510 Cr.3

Contemporary Issues in Minority Cultures
An introduction to ethnic minority groups in the United States today emphasizing the historical antecedents of contemporary issues with particular attention to the problems of ethnic groups and educational institutions. Prerequisite: junior standing. Offered Occasionally.

ERS/HIS 411 Cr.3

20th Century African American Urban History
This course will explore the interrelationships between race, class, and gender among blacks in the twentieth century American city. Throughout the semester we will interrogate the confluence and the divergence of the myths and the realities of the black urban political, social, and cultural experience in the United States. The course begins in the American South in 1900, where the majority of blacks continued to live, and follows the migration of over two million African Americans to the northern and western United States in the years between World War I and World War II. The course continues with the black community-building process and the black urban struggle for political, economic, and cultural self-determination. While blacks in the South played an enormous role in the Civil Rights Movement, this course will include focus on the Civil Rights and Black Power Movement in the Urban North and West, and conclude with examinations of the rise of the so-called second ghettos. Prerequisite: ERS 100. (Cross-listed with ERS/HIS 411; may only earn credit in one department.) Offered Fall.

ERS/PSY 415 Cr.3

Multicultural Counseling
This course focuses on the effects of culture on the nature and behavior of individuals, their adaptations to institutions and environments, and their relations within and outside their culture. Specifically, the impact of concepts such as ethnocentrism, stereotypes, racism and prejudice are explored in terms of their relevance to the counseling process. Counseling strategies and skills relevant to providing effective multicultural counseling are investigated. Prerequisite: PSY 100, PSY 204 and PSY 347. (Cross-listed with ERS/PSY; may only earn credit in one department.) Offered Occasionally.

ERS/PSY 442 Cr.3

Racism and Oppression
This course focuses on psychological theory and research regarding individual, group, historical, institutional, and societal causes of racism and oppression. The manifestations and consequences of racism and oppression are examined as are the challenges inherent in reducing racism and oppression. Both historical and contemporary racism and oppression in a global context are analyzed. Prerequisite: ERS 100 or PSY 241 or PSY 285 or SOC 330; junior standing. Students with credit in ERS/PSY 443 cannot earn credit in ERS/PSY 442. (Cross-listed with ERS/PSY; may only earn credit in one department.) Offered Occasionally.

ERS/PSY 443 Cr.3

Prejudice and Stigma
This course explores the psychological underpinnings of prejudice and stigma from an empirical, research-based perspective. In addition to covering well-recognized forms of prejudice such as racism, the course examines discrimination more broadly in terms of its impact on those who stigmatize and those who are stigmatized. Prerequisite: PSY 100; PSY 241 or SOC 330; PSY 321 or PSY 331. Students with credit in ERS/PSY 442 may not earn credit in ERS/PSY 443. (Cross-listed with ERS/PSY; may only earn credit in one department.) Offered Occasionally.

ERS 490 Cr.3

Ethnic and Racial Studies Seminar
This capstone course is designed as a culminating experience for students completing a minor in ethnic and racial studies. Students will complete their ERS portfolios containing samples of all courses taken for the minor. In addition, students will be required to write a reflective essay that reviews the course materials in the portfolios. Students will also write a seminar research paper which analyzes some aspect of ethnic and racial experience in the United States. Prerequisite: ERS 100; 12 credits from core and elective courses. Offered Fall, Spring.
Exercise and Sport Science (ESS)

Courses

ESS 100 Cr.1
**Physical Activities**
A program of instruction to enhance participation in physical activities throughout one’s lifetime. The primary emphases for specific activities may include acquiring a knowledge base, learning new skills and/or refining skills, developing components of health-related fitness, enhancing affective skills. Repeatable for credit. Pass/Fail grading. Offered Fall, Spring.

+ESS 104 Cr.2
**Dance Appreciation**
This course attempts to develop an awareness and appreciation of the role of dance in human society through the study of its purposes, functions and various forms. Offered Fall, Spring.

ESS 110 Cr.2
**Introduction to Sport Management**
This course exposes students to the profession of sport management. The course provides a broad overview of the sport industry, covers fundamental knowledge and skill sets of the sport manager, and provides students with information on specific sport industry segments for potential employment and career choices. Offered Fall, Spring.

ESS 112 Cr.4
**Fundamentals of Movement**
This course is designed to provide an understanding of the development of fundamental movement skills and movement concepts related to the elementary physical education student. Emphasis is placed on attaining knowledge of developmentally appropriate practices for the elementary physical education student. This course includes fundamental movements, educational games, and educational dance. Offered Fall, Spring.

ESS 113 Cr.1
**Basic Swimming**
This course is open to Exercise and Sport Science majors and minors only. Emphasis is placed on the improvement of the individual student’s swimming skill. Course content ranges from the non-swimmer level through American Red Cross intermediate skill level. Physical education teaching majors and minors are required to enroll in ESS 113 unless they hold one of the following American Red Cross certifications: Water Safety Instructor or Lifeguard Training. Offered Occasionally.

ESS 117 Cr.2
**Health Related Fitness Activities in PE**
This course is designed to help students start to understand health-related fitness self-efficacy promotion through lifetime physical activity applications. Students will focus on exercise prescription design and goal setting strategies linked to skill development in fitness related activities. This activity-based course will focus on fitness principle applications as they relate to cardiovascular, muscular strength and endurance, flexibility, and body composition activities. Pedagogical strategies and the Personalized System of Instruction model will be introduced for health related fitness activity integration. Lect. 1, Lab 2. Offered Fall, Spring.

ESS 118 Cr.2
**Introduction to Physical Education Teaching Profession**
This course is designed to introduce students to the physical education teaching profession. The course presents the role that physical education plays in the overall development and education of children. Students focus on learning national standards and guidelines related to the physical education teacher profession. Emphasis is on developing the ability to describe, discuss and reflect upon issues in the physical education teaching profession, including student characteristics; teacher responsibilities, professional vocabulary and concepts, advocacy, current issues, and historical factors. Offered Fall, Spring.

ESS 121 Cr.2
**Adventure Theory for Physical Educators**
This course presents the concepts of adventure education including cooperative and initiative games. The students will learn to use and implement a ropes course as a classroom for different age groups and diverse populations, especially as applied to physical education programs. Much of the emphasis of the adventure theory will be introducing the teaching and methodology of adventure education. This course introduces undergraduate students to teaching adventure education in elementary and secondary physical education programs in the schools. Offered Fall, Spring.

ESS 130 Cr.1-2
**Officiating Athletics**
Provides a general background of the rules, interpretations and mechanics of officiating athletic events at various levels of competition. Knowledge in this area may lead to WIAA certification in the following sports: basketball, baseball, football, gymnastics, swimming, track and field, volleyball, and wrestling. Repeatable for credit. Offered Occasionally.

ESS 181 Cr.3
**Introduction to Sports Medicine**
An introductory course designed to provide insight into the areas of sports medicine. Fundamental emergency care procedures and wrapping/taping techniques are taught. Students are exposed to athletic training room procedures, accident forms, maintenance of equipment and use of athletic training materials. Enrollment in the course is dependent on an application/selection process. See requirements for athletic training emphasis. Prerequisite: admission to athletic training major plan. Consent of instructor. Offered Fall.

ESS 182 Cr.3
**Prevention and Emergency Care for Athletic Trainers**
This course is designed to provide knowledge and experience in prevention and emergency care procedures. Students will learn emergency care procedures through mock practice. They will be exposed to advanced taping techniques, equipment selection and fitting, spineboarding, and receive certification in CPR/AED for the Professional Rescuer and in First Aid. Prerequisite: ESS 181. Offered Spring.
ESS 201 Cr.1

Safety, First Aid and CPR
Instruction and practice in proper first aid principles, procedures and emergency care including CPR training. American National Red Cross Standard First Aid certification and CPR certification will be awarded to those students who meet certification requirements. One lecture/lab for seven weeks. Offered Fall, Spring.

ESS 205 Cr.3

Human Anatomy and Physiology for Exercise Science I
This course is designed to cover the structure and function of the muscular, nervous skeletal, sensory, and integumentary systems. Emphasis will be placed on the musculoskeletal system during the laboratory component. Lect. 2, Lab 2. Prerequisite: BIO 103 or BIO 105 or MIC 100. (Not open for credit to students who have credit in BIO 312.) Offered Fall, Spring.

ESS 206 Cr.3

Human Anatomy and Physiology for Exercise Science II
This course is designed to cover the maintenance of homeostasis through study of the structure and function of the autonomic nervous system, cardiovascular, respiratory, immune, digestive, endocrine, and renal systems. Metabolism will also be discussed. It will also cover metabolism and fluid/electrolyte balance. Lect. 3. Prerequisite: ESS 205. (Not open for credit for students who have had BIO 313.) Offered Fall, Spring.

ESS 207 Cr.3

Human Motor Behavior
This course is an investigation into the nature of human motor development, motor control, and motor learning. Topics will be approached from a constraints perspective, focusing on the interaction among the individual, the environment, and the task. Prerequisite: ESS PE majors must have ESS 112. Lect. 2, Lab 2. Offered Fall, Spring.

ESS 209 Cr.2

Strength Training Clinical I
A course designed to provide practical experience in the supervision of a strength center. Students will have the opportunity to instruct proper lifting technique, assist with the assessment of strength, power and speed, and learn facility and equipment maintenance. Lab 4. Prerequisite: ESS 205 or ESS 206 or concurrent enrollment; admission to strength and conditioning concentration. Pass/Fail grading. Offered Fall, Spring.

ESS 225 Cr.3

Introduction to Physical Education Teaching Methodology
This course focuses on teaching methodology in Physical Education. Students will complete observational clinical experiences at the elementary, middle, and high school levels. Emphasis will be placed on developing knowledge, skills, and dispositions related to instruction, management, lesson planning, assessment, and reflection. Students will complete Benchmark I for the electronic portfolio process. Prerequisite: ESS 118. Offered Fall, Spring.

ESS 231 Cr.3

Introduction to Adapted Physical Education
This course is designed to introduce future teachers to teaching physical education to PK-12 students with disabilities. Course content includes general characteristics of selected disabilities and how these disabilities impact a person’s movement potential and performance, the federal and state laws pertaining to the education of PK-12 students with disabilities, the process of special education referral and placement of students in the least restrictive environment, appropriate physical education teaching methods to use for inclusive instructional settings, adapted teaching techniques for motor development, health-related fitness, sport/recreational skills, and aquatics; and behavior management techniques. In addition, all students are required to participate in the UW-La Crosse Motor Development Program conducted on Thursday evenings for approximately 25 clinical education hours for the semester. Lect. 2, Lab 3. Prerequisite: ESS 225 or concurrent enrollment. Offered Fall, Spring.

ESS 233 Cr.2

Teaching Methods in Adapted Aquatics
This course focuses on strategies and techniques for teaching persons who are disabled in an aquatic setting. Emphasis is placed on program and teacher effectiveness. Two-hour lab required. Students are expected to have intermediate level swimming skills. Priority enrollment will be given to students admitted to the Adapted Physical Education concentration. Lect. 1, Lab 2. Prerequisite: ESS 231 or RTH 326. Priority enrollment will be given to students admitted to the Adapted Physical Education Minor. Offered Fall, Summer.

ESS 249 Cr.2

Youth Sport Issues
An investigation of how youth sport programs can provide a healthy experience for participants. Concepts dealing with when to teach sport techniques and the physical, psychological and social implications of athletic experiences will be covered. Offered Occasionally.

ESS 258 Cr.3

Teaching Activities I
An activity-based course focused on skills and knowledge related to team, individual and leisure activities for children in grades 3-12. There will be two team, two individual, and two leisure activities selected from the following activities: Team (Soccer, Basketball, Ultimate Frisbee, Field Games, Speedball, Speedaway, Gator Ball); Individual (Badminton, Bowling); Leisure (Yoga, Pilates, Fitness Walking). Prerequisite: ESS 225. Offered Fall, Spring.

ESS/PSY/WGS 259 Cr.1-3

Girls and Women in Sport
This course is an introduction to the involvement of girls and women with sport. It includes a historical perspective on women’s sport participation, cultural images of women athletes, teaching and coaching implications of current research, Title IX, and recreation/leisure approaches to physical activity. Course content may vary according to instructor. (Cross-listed with ESS/PSY/WGS; may only earn credit in one department.) Offered Occasionally.

ESS 261 Cr.2

Educational Gymnastics
This course prepares the student to safely plan and conduct an educational gymnastics curriculum through the study of jumping and landing, balance, hanging and swinging, and rolling and transfer of weight activities. Emphasis is on appropriate progressions, safety procedures, proper mechanics, and sequencing of skills, methodology, fitness and games within a gymnastics environment and error analysis on a variety of gymnastics apparatus. Course will include 4-6 clinical hours with school children. Lect. 1, Lab 2. Prerequisite: ESS 112. Offered Fall, Spring.
ESS 281 Cr.2

Prevention and Care of Athletic Injuries
Gives students who are interested in inter-scholastic athletics part of the necessary background to become a qualified coach or director. This course includes: common injuries occurring as a result of participating in athletics and physical education activities; procedures and techniques in the prevention and care of injuries; and the understanding of the coaches' and teachers' roles in the care of injuries. Prerequisite: ESS 201, ESS 205. Offered Fall, Spring.

ESS 286 Cr.2

Athletic Training Clinical I
A course designed to provide clinical experiences in an athletic training setting. Students will have the opportunity to gain competency in skills that have been previously instructed and practiced in classroom and laboratory settings. Prerequisite: ESS 181; admission to athletic training major plan. Offered Fall.

ESS 287 Cr.2

Athletic Training Clinical II
A course designed to provide clinical experiences in an athletic training setting. Students will have an opportunity to gain competency in upper extremity evaluation skills, and management of pathologies of the upper extremity, trunk/thorax and the head and neck that are common in athletics. Prerequisite: ESS 286. Offered Spring.

ESS 302 Cr.3

Physiology of Exercise
Applied physiology: a study of how normal physiological function (homeostasis) is altered, and subsequently restored, in response to various forms of stress (exercise and training). Lect. 2, Lab 2.
Prerequisite: BIO 103 or BIO 105 or MIC 100; grade of "C" or better in ESS 206 or BIO 313. Offered Fall, Spring.

ESS 303 Cr.2-3

Biomechanics
Biomechanics emphasizes the investigation and application of mechanical principles to the study of human motion and the motion of sport objects. Students will learn systematic approaches for the qualitative and quantitative analysis of the human body as it engages in motor activities. Laboratory sessions are required for students that select the three-credit option. Prerequisite: grade of C or better in ESS 205 or BIO 312. Recommended: MTH 150, MTH 151, or MTH 207. Offered Fall, Spring.

ESS 309 Cr.2

Strength Training Clinical
A course designed to provide practical experience in supervising a strength center. Students will have the opportunity to: instruct proper lifting technique; assist with and conduct assessments of strength, power and speed; learn how to maintain a strength facility; practice maintaining a strength facility; and assist with the design of lifting and conditioning programs. Lab 4. Prerequisite: ESS 368. Pass/Fail grading. Offered Fall, Spring.

ESS 310 Cr.2

Teaching Outdoor Activities in Physical Ed
This course will focus on teaching physical educators how to implement outdoor activities as part of the K-12 physical education curriculum. Included are such activities as hiking, backpacking, climbing, skiing, primitive camping, canoeing, snowshoeing, and biking. Common pedagogical knowledge and skills which cut across activities will be emphasized. Students will participate in the scope and sequence for skill development in at least two outdoor activities, and plan the scope and sequence for one additional outdoor activity. Lect. 4, Lab 1. Prerequisite: ESS 121, ESS 225; exercise sports science major plan. Offered Fall, Spring.

ESS 320 Cr.3

Field Experience in Exercise Science or Sport Management
Practical experience in an exercise science and/or sports management setting or formal observation in a clinical setting. Experiences provided may include: sports event facilitation, budget preparation and monitoring, preparing contracts, checking eligibility, marketing and promotion, exercise leadership, assisting with fitness assessment and exercise prescription. Repeatable for credit - maximum 6. Prerequisite: acceptance into the exercise sports science major plan - exercise science or sport management emphasis. Offered Fall, Spring, Summer.

ESS 321 Cr.2

Evaluation in Health Education and Physical Education
An introductory course in the meaning and application of measurement, tests, elementary statistical procedures and evaluation in physical education. Prerequisite: admission into teacher education. Offered Occasionally.

ESS 322 Cr.4

Elementary Methods, Assessment and Clinical in Physical Education
A junior level pedagogy course focused on developmentally appropriate methodology and assessment for the elementary physical education setting. Emphasis is placed on developing the capability to apply an understanding of planning for learning for the K-5 student. This course includes completion of a clinical experience in the elementary physical education setting. Lect. 3, Lab 2. Prerequisite: ESS 207 or concurrent enrollment; admission to the physical education teacher education program. Offered Fall, Spring.

ESS 323 Cr.3

Nutrition and Sport
Basic principles of human nutrition and nutritional needs for athletes and/or active populations. Issues discussed include ergogenic aids, carbohydrate loading/manipulation, eating disorders, and protein supplementation. Practical application will include dietary analysis and composition for people in various activities and conditions. Prerequisite: ESS 302 or NUT 200. Offered Fall, Spring.

ESS 324 Cr.1-3

Independent Study in Exercise and Sport Science
Provides students with supervised study in a specific area of interest in their exercise and sport science academic program. Repeatable for credit - maximum 9 credits or maximum 3 courses. Consent of department. Offered Fall, Winter, Spring, Summer.

ESS 325 Cr.4

Secondary Methods, Assessment and Clinical in Physical Education
A junior level pedagogy course focused on developmentally appropriate methodology and assessment for the secondary physical education setting. Emphasis is placed on developing the capability to apply an understanding of planning for learning for the 6-12 student. This course includes completion of a clinical experience in the secondary physical education setting. Lect. 3, Lab 2. Prerequisite: ESS 207; admission to the physical education teacher education program. Offered Fall, Spring.

ESS 326 Cr.2

Clinical Experience in Teaching Physical Education II
Students will practice teaching with close supervision of both the university instructor and the elementary/middle school cooperating teacher. The students will learn to use objective analysis instruments, videotaping, computer analysis techniques, and intervention processes. Students will have a minimum of 48 hours of public school clinical experiences. Prerequisite: admission into teacher education. Must be taken concurrently with ESS 321, ESS 322, ESS 325. Offered Occasionally.
ESS 327 Cr.2
Physical Education for the Elementary Classroom Teacher
Students participate in lecture and laboratory experiences to gain and practice skills in teaching elementary physical education. Applied teaching experience occurs at a local school allowing for implementation of appropriate skill progression, movement education management and a variety of curriculum options. Lect. 1, Lab 2. Prerequisite: EFN 210, CI 211; elementary education major plan. Offered Fall, Spring.

ESS 344 Cr.3
Introduction to Fitness Assessment
The purpose of this course is to review the clinical and diagnostic approach to cardiovascular anatomy, physiology and pathophysiology, and to provide basic knowledge in evaluation, methodology and interpretation of fitness testing. Areas of emphasis will be population characteristics, participant screening and referral process, alternatives of fitness assessment and exercise prescription. Lect. 2, Lab 2. Prerequisite: ESS 302: admission to exercise sports science major plan - fitness emphasis. Offered Fall, Spring.

ESS 348 Cr.2
Theory of Coaching
Theory of coaching specific competitive sports. Coaching and directing youth, club, inter-scholastic and intercollegiate sports programs. Theory of coaching the following sports will be offered on a rotational basis: baseball/softball, basketball, football, gymnastics, soccer, swimming and diving, tennis, track and field/cross country, volleyball, and wrestling. Prerequisite: junior standing. A competitive background and fundamental knowledge of the sport is HIGHLY recommended. Repeatable for credit - maximum 4. Prerequisite: junior standing. Offered Fall, Spring.

ESS 349/549 Cr.2
Psychology of Coaching Competitive Athletics
Aids the prospective coach to better understand the application of psychological concepts to the coaching of sports. Emphasis will be on the methods of improving the performance of athletes through a better understanding of the factors affecting teaching and learning in athletics. Prerequisite: junior standing. Offered Fall, Spring.

ESS 355 Cr.3
Methods of Exercise Leadership
This course will cover the methodology of developing, teaching and leading sound exercise workouts for all levels of physiological fitness and for individual needs. Lect. 2, Lab 2. Prerequisite: ESS 302, ESS 303; admission to exercise sports science major plan - fitness emphasis. Offered Fall, Spring.

ESS 367 Cr.3
Teaching Activities II
An activity-based course focused on movement skills as they relate to children in grades 3-12 within team, individual and leisure activities. The main purpose is for the students to develop the knowledge of the basic skills and progressions related to each activity. There will be two team, two individual, and two leisure activities selected from, but not limited to, the following activities: team (softball, volleyball, team handball, flag football, ultimate frisbee), individual (golf, tennis), leisure (archery, cardio kickboxing, inline skating). Lab 6. Prerequisite: admission to physical education teacher education program. Offered Fall, Spring.

ESS 368 Cr.3
Strength Training Techniques and Programs
This course is designed to provide the student with a working knowledge of proper lifting and spotting technique, an understanding of the various types of equipment and modes of strength training, basic program design and programming for special populations, and weight training for competition. Students will be taught to design and individualize a strength training program. Prerequisite: ESS 205 and ESS 206 or BIO 312 and BIO 313. ESS 100 Strength Training recommended. Offered Fall, Spring.

ESS 378 Cr.4
Musculoskeletal Assessment of the Lower Body
This course is designed for individuals seeking certification from the Board of Certification (BOC). Content addresses observation and evaluation techniques for musculoskeletal injuries and conditions of the lower body. Students must integrate anatomical structures and physiological principles to provide a basis for critical decision making in an injury management environment. Lect. 3, Lab 2. Prerequisite: ESS 286, ESS 379. Offered Spring.

ESS 379 Cr.4
Musculoskeletal Assessment of the Upper Body
This course is designed for individuals seeking certification from the Board of Certification (BOC). Content addresses observation and evaluation techniques for musculoskeletal injuries and conditions of the upper body. Students must integrate anatomical structures and physiological principles to provide a basis for critical decision making in an injury management environment. Lect. 3, Lab 2. Prerequisite: ESS 181; admission to exercise sports science major plan - athletic training. Offered Fall.

ESS 383 Cr.3
Clinical Pathology for Exercise Science
Course designed to introduce students to the pathology of injuries and illnesses of the body systems. Topics included are categorized into physiological responses to trauma, disease, inflammatory responses and autoimmune/immunodeficiency responses to various diseases. Prerequisite: admission to athletic training major plan or ESS exercise science program. Offered Fall, Spring, Summer.

ESS 386 Cr.2
Athletic Training Clinical III
A course designed to provide clinical experience in an athletic training setting. Students will have an opportunity to gain competency in lower extremity evaluation skills, and management of pathologies of the lower extremity that are common in athletics. Prerequisite: ESS 287. Offered Fall.

ESS 387 Cr.2
Athletic Training Clinical IV
A course designed to provide clinical experience in an athletic training setting. Students will have an opportunity to gain competency in utilization of therapeutic modalities for the management of pathologies that are common in athletics. Prerequisite: ESS 386. Offered Spring.

ESS 400 Cr.3
Pharmacology in Athletic Training
This course covers the basic pharmacokinetic principles including absorption, biotransformation, and elimination. Pharmaceutical agents covered include analgesic agents, steroidal and non-steroidal anti-inflammatory drugs, local anesthetics, psychotropic drugs, antibiotic agents, antihypertensive and anti-arrhythmic pharmaceuticals, cardio-active drugs, diuretic medications, anti-asthmatic agents, and medications commonly used in the treatment of diabetes mellitus. Prescription and nonprescription agents as well as indications, contraindications, and potential interactions of pharmaceuticals will be covered. Prerequisite: admission to the exercise sports science major plan - athletic training. Offered Spring.
ESS 401 Cr.2
Teaching Dance
Theory and methods of teaching age-appropriate dance activities for students in elementary and secondary physical education. Emphasis will be on skill progressions, teaching models and methods, and assessment. Lect. 1, Lab 2. Prerequisite: admission to the physical education teacher education program. Offered Fall, Spring.

ESS 402 Cr.1
Advanced Activities
A program of opportunities to enhance advanced teaching knowledge and participation in a self-selected physical activity. The course will go beyond the knowledge, skills and strategies that may be offered at the introductory level. These opportunities may include, but not be limited to, participation in advanced activity classes offered both on and off campus, participation in advanced certification programs, intern teaching experiences in the student's area of expertise. Repeatable for credit in different activities - maximum 3. Only one credit counts toward the PETE major. Prerequisite: ESS 321, ESS 322, ESS 325, ESS 326. Pass/Fail grading.

ESS 403 Cr.2
Advanced Strength Training Applications and Techniques
This course presents advanced strength training and conditioning theory and practice. Designed primarily for students specializing in strength and conditioning, the course explores advanced periodization models and their utilization, mastery and analysis of Olympic lifts, plyometric programming, ergogenic aids (identification, legal implications, nutritional alternatives,) facility design, and special population needs. Prerequisite: ESS 302, ESS 303, ESS 368. Offered Fall.

ESS 407 Cr.3
Sport Management and Society
This course is designed to provide the foundation for an understanding of the ethical, social, cultural, and psychological aspects for the operation of programs in athletics, sports, physical education and fitness. The student will be able to identify current social, cultural, and ethical issues and problems and the potential solutions to these problems. Prerequisite: admission to exercise sports science major plan - sport management; junior standing. Offered Fall, Spring.

ESS 409 Cr.2
Strength Training Clinical III
A course designed to provide practical experience in management of a strength center. Students will have the opportunity to instruct proper lifting technique, assess strength, power and speed, maintain the strength facility, design lifting and conditioning programs, and assist with the supervision and instruction of junior staff members. Lab 4. Prerequisite: ESS 302, ESS 303, ESS 309, ESS 368. Offered Fall, Spring.

ESS 410 Cr.2
Legal Implications of Sport and Activity
This course addresses the legal aspects for the operation and administration of sports programs, competitive athletic programs, and community and commercial fitness programs. Prerequisite: admission to exercise sports science major plan - fitness or sport management emphasis. Offered Fall, Spring.

ESS 411 Cr.2
Strength and Conditioning Educator Training
This course is a capstone experience for students specializing in strength and conditioning. Content includes exercise physiology and biomechanics, nutrition and ergogenic aids, testing and evaluation, exercise techniques, program design, and organization and administration of a strength and conditioning facility. Prerequisite: ESS 403 or concurrent enrollment. Offered Spring.

ESS 412 Cr.3
Issues and Philosophies in Teaching Physical Education
This course is designed to provide student teachers with an opportunity for communication and discussed focused on student teaching experiences. Course emphasis is placed on development of teaching competencies as outlined by the beginning teacher standards. Taken concurrently with Student Teaching. Prerequisite: completion of all course work required to student teach; successful completion of PRAXIS II exam. Pass/Fail grading. Offered Fall, Spring.

ESS 421 Cr.3
Sport Operations Management/Event and Venue Management
This course is designed to introduce students to principles and procedures for preparing, planning, operating, managing, and evaluating event and venue in sports settings. Students will gain a greater understanding of event and venue management and the total operation of sports organizations. Prerequisite: admission to exercise sports science plan - sport management emphasis; junior standing. Offered Fall, Spring.

ESS 422 Cr.3
Teaching Healthy Active Lifestyles
This course provides the pre-service physical education student with the pedagogical skills necessary to promote, advocate for, and empower K-12 students to become lifelong learners who value physical activity. This course will focus on health related fitness concepts and applications related to exercise prescription, nutritional planning, exercise adherence, and fitness skill development for students in the K-12 setting. Physical education majors will also explore curricular and instructional models that promote and foster health and fitness applications to K-12 students. Prerequisite: ESS 302 or concurrent enrollment; admission to the physical education teacher education program. Offered Fall, Spring.

ESS 423/523 Cr.2
Individual and Social Factors in Physical Education
This course focuses on contemporary and historical perspectives on socio-cultural and philosophical issues that influence schooling and physical education teacher preparation, including race, gender, sexuality, ability, disability, obesity and culturally responsive teaching. Prerequisite: admission to an exercise sports science major program; junior standing. Offered Fall, Spring.

ESS 424 Cr.4
Curriculum Development and Administration of Elementary/Secondary Physical Education Programs
Senior level experience designed to provide an understanding of the curriculum development process through application. Selection of activities based on national and state standards, community resources, growth and developmental characteristics and facilities. Includes content and experiences related to PK-12 program development including scope and sequence, program evaluation, scheduling, advocacy activity and co-curricular/outside school activities. The administrative component will include principles related to gender equity, risk management, budgeting, collaboration, and program accountability. Prerequisite: admission to the physical education teacher education program; senior standing. Offered Fall, Spring.

ESS 430/530 Cr.3
Disability and Physical Activity Implications
The etiology and effects of select physical, sensory, intellectual and other developmental disabilities will be addressed. Content emphasizes movement implications and strategies to enhance physical activity behavior. Students in the adapted physical education teaching minor or graduate program are given priority enrollment. Prerequisite: ESS 231 or RTH 326; junior standing. Offered Fall, Summer.
ESS 431 Cr.1
Fitness Programming for Persons with Disabilities
Students learn techniques for health-related physical fitness assessment, exercise prescription, and activity adaptations. The focus is on hands-on clinical skill development in an evidence-based exercise program for individuals with disabilities. Students should take this course within two semesters after completion of ESS 430. Offered Fall, Spring, Summer.

ESS 432 Cr.3
Financial Aspects of Sport
This course is designed to study financial management principles including budget development, fundraising, and economic impact for use in the administration of sport and athletic programs. In addition, emphasis will be placed on sources of revenue and expense for sport organizations and their use in sport management. The student will understand why budget and finance in sport is a critical component of all sports related industries. Prerequisite: admission to exercise sports science plan - sport management emphasis; junior standing. Offered Fall, Spring.

ESS 435/535 Cr.1
Sports for Persons with Disabilities
This course addresses sports that have either been modified based on traditional sports or developed specifically for various physical, intellectual, and sensory disability groups. Content includes developmental sport models, disability sport organizations, fitness training, community advocacy and involvement, and infusion into physical education and interscholastic sports programs. Lect. 1, Lab 1. Prerequisite: ESS 231; junior standing. Priority enrollment will be given to students admitted to the adapted physical education teaching minor. Offered Spring, Summer.

ESS 436/536 Cr.3
Assessment and Program Evaluation in Adapted Physical Education
This course provides an introduction to appropriate instruments and testing strategies necessary for assessing the gross motor development and health-related physical fitness levels of persons with disabilities. Students learn how to administer, interpret, and use the results of motor assessments to develop individualized education program plans that are utilized in either adapted or general physical education programs for students with disabilities. Priority enrollment will be given to students admitted to the Adapted Physical Education concentration. Prerequisite: ESS 231; junior standing. Offered Spring, Summer.

ESS 437/537 Cr.3
Teaching and Service Delivery Models in Adapted Physical Education
This course focuses on adapted physical education teaching strategies and service delivery models in PK-12 settings. Instructional programming and best practices in early childhood, elementary, middle/secondary, and transitional programs for students with disabilities in adapted physical education are covered. Emphasis is on collaboration among professional service providers such as special educators, regular physical educators, and related service personnel. (e.g. occupational, physical, and recreational therapists), as well as health and other community agency staff. School visits and practical teaching are included, along with guest presentations on related disciplines and program. Lect. 2, Lab 3. Prerequisite: admission to adapted physical education minor. Offered Fall, Spring.

ESS 439 Cr.3
Teaching Methods and Internship in Adapted Physical Education
Students are provided practical teaching and supervision opportunities to enhance their skills in planning, implementing, and evaluating adapted physical education programs for children and youth with a variety of disabilities. Emphasis is also placed on effective staff collaboration and consultation as well as teacher and program supervision. A Saturday morning laboratory is required during fall and spring semesters. Lect. 2, Lab 3. Prerequisite: 3 courses from: ESS 233, ESS 430, ESS 436, ESS 437. Offered Fall, Spring.

ESS 442 Cr.2
Aging and Physical Activity
The course will explore why and how physical activity must change to meet the modifications that occur to the human body with aging. The physiological and psychological status of an aging population will be presented, along with suggestions to address the physical activity needs of this growing group. Practical experience in both on and off campus sites. Prerequisite: ESS 302; admission to exercise sports science major plan - fitness emphasis or have a declared emphasis in gerontology. Offered Fall, Spring.

ESS 443 Cr.3
Fitness Across the Lifespan
This course will explore why and how physical activity must change to meet the modifications that occur in the human body as it matures from childhood to older adulthood. Students will address the principles and procedures for designing physical fitness experiences for all ages. Lecture, practice, and field experiences are included. Prerequisite: ESS 302; ESS 303; admission to exercise sports science plan - exercise science emphasis or a declared emphasis in gerontology. Offered Fall, Spring.

ESS 445/545 Cr.3
Facility Management in Sport
A study of planning techniques concerning facility development and maintenance for schools, athletic clubs, fitness centers and professional sport organizations. Prerequisite: admission to exercise sports science plan - sport management emphasis or exercise sports science graduate program; junior standing. Offered Fall, Spring, Summer.

ESS 446 Cr.3
Current Research and Trends in Exercise Science
A lecture/discussion-based course in which relevant and current research and industry trends are thoroughly reviewed and analyzed. Students are encouraged to take this course near the end of their careers as undergraduate students in the ESS-Exercise Science emphasis. Offered Fall, Spring.

ESS 447 Cr.3
Administration in Fitness and Sport
The course will cover principles of administrative theory and practice in the fitness and sport industry, including general administrative functions, public relations, personnel, budget and finance, facility management, and evaluation techniques. Prerequisite: admission to exercise sports science plan - fitness or sport management emphasis. Offered Fall, Spring.

ESS 448 Cr.3
Promotion and Development of Fitness and Sport Programs
This course will provide understanding of and skill in the promotion process as it relates to advertising and public relations activities for the operation of programs in sport, physical education and fitness. Primary focus will be on the application of promotion principles to specific sport scenarios. Prerequisite: MKT 309, admission to exercise sports science plan - fitness or sport management emphasis. Offered Fall, Spring.
ESS 449 Cr.1
Seminar in Fitness/Sports Management
An in-depth orientation to the required senior internship experience. Required course to be taken one semester prior to internship. Prerequisite: GPA of 2.75 (cumulative and major); admission to the exercise sports science plan - fitness or sport management emphasis; senior standing. Offered Fall, Spring.

ESS 450 Cr.8-12
Exercise and Sport Science Internship
The internship is designed to be a terminal experience for students majoring in fitness or sport management (12 credits) emphases and athletic training (eight credits) with an intensive supervised practical work experience. Prerequisite: fitness and sport management majors: all course work for the appropriate major must be completed and a minimum cumulative and emphasis GPA of 2.75; athletic training emphasis: ESS 484. Pass/Fail grading. Offered Fall, Spring, Summer.

ESS 451 Cr.2-3
Practicum in Athletic Coaching
The practicum in athletic coaching is designed to be a terminal experience for students completing the concentration in Coaching Competitive Athletics. Students will be placed with department approved university or public/private school athletic teams to obtain practical coaching experience in the sport(s) of their choice. The practicum experience will be supervised by coaches of the assigned team and the director of the concentration in coaching competitive athletics. Repeatable for credit in different sport(s) - maximum 6. Prerequisite: completion of requirements in coaching concentration with the exception of ESS 368 and ESS 404 and elective credits. Pass/Fail grading. Offered Fall, Spring.

ESS 452/552 Cr.2
7 Habits of Highly Effective People
An in depth study of lifestyle principles as identified by Stephen Covey in the book 7 Habits of Highly Effective People. Students will explore how to apply these principles as teachers and coaches personally and with peers, students and athletes. Prerequisite: senior standing. Offered Occasionally.

ESS 460/560 Cr.1-3
Exercise Science Clinical Forum
Visiting lecturers as well as university professors will address various topics related to exercise science. Repeatable for credit. Prerequisite: junior standing. Offered Occasionally.

ESS 483 Cr.3
Administration of Athletic Training Programs
A study and analysis of administrative policies involved in the management of an efficient athletic training program. Course is designed to provide information in program and strategic planning, evaluation of plans, record keeping, facility design and planning, budgeting and purchasing, inventory control, management of human resources, and governance structures in athletic training. Prerequisite: ESS 387, ESS 484. Offered Fall.

ESS 484 Cr.4
Rehabilitation Techniques for Athletic Trainers
This course covers the knowledge and skills needed in the rehabilitation of musculoskeletal injuries and conditions seen by athletic trainers. Rehabilitation strategies are designed to utilize rehabilitation principles and functional activities to prepare patients for safe return to activity. Lect. 3, Lab. 2. Prerequisite: ESS 481, ESS 386. Offered Spring.

ESS 485 Cr.3
Current Readings/Research in Athletic Training
This course is designed to give students an overview of the research process in athletic training. Emphasis will be placed on the importance of building a research base in athletic training, the basics of developing a research study, protecting human subjects, presenting and publishing data, manuscripts review, and fundamentals of grant writing. Students will also review and discuss current published research in the field and give presentations pertaining to special topics not included in regular course work. Prerequisite: ESS 483, ESS 486. Offered Spring.

ESS 486 Cr.2
Athletic Training Clinical V
A course designed to provide clinical experience in an athletic training setting. Students will have an opportunity to gain competency in rehabilitation and management of pathologies that are common in athletics. Prerequisite: ESS 387. Offered Fall.

ESS 499 Cr.3
Seminar in Physical Education
The provision of intensified experiences in the solution of some individual or group problem. The utilization of some rudimentary research techniques receive marked attention, including the formulation of hypotheses, the design of study, the collection, analysis, and interpretation of data. Prerequisite: open to students of 'honor' quality having senior standing; minimum 2.75 cumulative GPA. Offered Occasionally.

Finance (FIN)
+ next to a course number indicates a general education course

Courses
+FIN 207 Cr.3
Personal Finance
A survey course covering personal financial issues; topics include goal setting, budgeting, major purchases, loan provisions, taxation, insurance coverages, investment opportunities (including stocks, bonds, and mutual funds) and retirement planning. Open to students in all colleges. Offered Fall, Spring.
FIN 355 Cr.3
Principles of Financial Management
Introduction to financial management of the firm. Topics include: relationship of the finance function with other functional areas of the firm, use of financial statements as measures of corporate performance and for financial forecasting, working capital management, time value of money and its use in the valuation of cash flows, security evaluation, capital budgeting, capital structure, financial intermediaries and investment banking, long-term debt, preferred and common stock, and the effect of these financial decisions on dividend policies. Prerequisite: ECO 110, ECO 120; ACC 222; admission to business. Offered Fall, Winter, Spring, Summer.

FIN 360 Cr.3
Principles of Insurance
A survey of insurance and risk management concepts, the insurance industry and common insurance contracts. Topics include: types of insurers, functions of insurers, legal principles of insurance, and analysis of property, liability, life and health contracts. Special emphasis will be placed on personal insurance for the home, automobile, life and health. Prerequisite: ACC 221. Offered Fall, Spring.

FIN 361 Cr.3
Life Insurance
A study of life insurance and its relationship to financial planning. Topics covered are the determination of financial needs for survivors resulting from premature death of a family member, concepts of life insurance and annuities including quantitative foundations, policy provisions, comparisons of alternate products, and taxation issues. Prerequisite: FIN 355, FIN 360; admission to business. Offered Occasionally.

FIN 362 Cr.3
Commercial Property/Liability Insurance and Risk Management
Risk management and insurance for the corporate entity. Topics include coverages for direct and indirect property, general liability, workers’ compensation, fidelity, crime, and boiler and machinery, property valuation, insurance surveys, and lease analysis. Prerequisite: FIN 355, FIN 360; admission to business. Offered Occasionally.

FIN 370 Cr.3
Corporation Finance
Comprehensive study of current theories concerning the valuation of the firm and its capital structure. Topics emphasized are risk analysis, capital structure, dividend theories, cost of capital, capital budgeting and management of working capital. Prerequisite: FIN 355; admission to business. Offered Fall, Spring.

FIN 380 Cr.3
Principles of Investment
The study of investment instruments. Topics include: valuation of common and preferred stocks, bonds, options, futures contracts, real estate, and several other securities and commodities. The risk associated with each form of investment, construction and management of investment portfolios, investment databases, and current trends in investments are studied. Prerequisite: FIN 355; admission to business. Offered Fall, Spring.

FIN 390 Cr.3
Money and Capital Markets
Examination of the factors influencing the level and structure of interest rates. Includes the processes, institutions, and public policy implications of markets for short-term and long-term debt instruments, the stock market, and current trends in capital markets. Prerequisite: FIN 355; admission to business. Offered Fall, Spring.

FIN 400 Cr.1-3
Finance Forum
Emphasis will be on the examination and study of current financial issues. Topics will vary by semester. Departmental option for pass/fail or letter grade. Repeatable for credit - maximum 6. Prerequisite: junior standing; admission to business. Pass/Fail grading. Offered Occasionally.

FIN 407 Cr.3
Advanced Financial Planning
An overview of the financial planning process, including an introduction to the technical and intuitive aspects of the primary components in a financial plan. Financial and personal data are integrated to develop a comprehensive financial model including a variety of components. The components may include balance sheet and cash flow statements, retirement planning, investing strategies, insurance needs, taxes and estate planning. Prerequisite: FIN 355; senior standing. Offered Fall.

FIN 410 Cr.3
Management of Financial Institutions
The management of commercial banks and other deposit-type financial institutions. Emphasis is placed on the environment in which financial institutions operate, its changing nature, and managerial decision making within that environment. Specific topics include loan and investment policies, asset/liability management, management of investment risk, and regulation of financial institutions. Prerequisite: FIN 390 or ECO 301; admission to business. Offered Spring.

FIN 426/526 Cr.3
Real Estate Finance
The contractual nature and legal implications of the instruments used in financing real estate. The structure and operation of the primary and secondary mortgage markets; instruments, techniques, and strategies in financing real property investments. Prerequisite: FIN 456; junior standing; admission to business. Offered Occasionally.

FIN 427 Cr.3
Real Estate Appraisal
Development of the process of value determination for real properties in the context of a market setting. Development of the analytical tools to be used in implementing the valuation process. Development of the complex interactions among the site, the neighborhood, the community, and the region in value determination. Prerequisite: FIN 456; admission to business. Offered Occasionally.

FIN 437 Cr.3
Financial Planning and Strategy
Long-term planning as it relates to special problems of acquiring funds and selecting and deploying assets. Emphasis is placed on forecasting long-term funds requirements, and the suitability of specific financing vehicles for particular needs. Prerequisite: FIN 370; junior standing; admission to business. Offered Occasionally.

FIN 440 Cr.3
Financial Modeling
Application of financial theories and models using spreadsheets to make financial decisions. Focus on utilizing existing and creating new financial spreadsheet functions, sensitivity analysis, and scenario analysis. Prerequisite: FIN 355; admission to business. Offered Spring.

FIN 450 Cr.3
Multinational Financial Management
The international financial system and the application of basic principles of business finance in an international context. Topics include: the finance function in the multinational firm, foreign exchange markets, cost of capital, and capital expenditure analysis in the multinational firm. International accounting and reporting procedures are reviewed. Prerequisite: FIN 355; junior standing; admission to business. Offered Spring.
FIN 447/547 Cr.3
Advanced Financial Analysis
Offers the students the opportunity for advanced study of topics related to (1) business ethics and professional standards, (2) investment tools, (3) asset valuation, and (4) portfolio management. Students will learn how to effectively analyze financial statements, apply statistical models, and evaluate both international and derivative securities. Completion of this course will also assist students in preparing for the Level I exam of the Chartered Financial Analyst (CFA) program. Department option for Pass/Fail grading. Prerequisite: FIN 355, FIN 370, FIN 380; finance major plan; senior standing. Consent of department. Offered Spring.

FIN 450 Cr.1-6
College of Business Administration Internship
The internship program as conceived and implemented is designed to provide an opportunity for students in the College of Business Administration at the University of Wisconsin-La Crosse to participate in an approved program with cooperating business, governmental or civic organization for usually 15 weeks of their undergraduate work. For additional information, see internship description under the College of Business Administration heading. Repeatable for credit. Prerequisite: cumulative GPA of at least 2.50; ACC 221, ACC 222; BUS 205, BUS 230; ECO 110, ECO 120; FIN 355; IS 220; MGT 308; MKT 309; admission to business. Pass/Fail grading. Offered Fall, Winter, Spring, Summer.

FIN 456/556 Cr.3
Real Estate Principles
Survey of real estate principles and practices, the economic environment and valuation. Topics include: nature of real property; organization and structure of real-estate markets; alternative land uses; financing and valuation of real estate; and the legal environment. Prerequisite: FIN 355; junior standing; admission to business. Offered Occasionally.

FIN 460 Cr.3
Seminar in Risk and Insurance
A seminar course focusing on the current problems and issues of liability, life and health insurance. Financial and insurance theory are used to assess proposed solutions. Broad topics include insurance company operations; problems of ratemaking, underwriting and regulation; confidentiality of life insurance applications; and problems of financing health care. Prerequisite: FIN 360, FIN 370; FIN 361 or FIN 362 or FIN 465 or ECO 471; admission to business. Offered Occasionally.

FIN 465/565 Cr.3
Health Care Financing
A broad micro and macro treatment of the health care financing from the insurer, consumer and institutional viewpoints. Topics include: reimbursement mechanisms, planning, capital allocation and organizational aspects of health care financing function. Prerequisite: FIN 355; junior standing; admission to business. Offered Occasionally.

FIN 474/574 Cr.3
Equity Valuation
This course presents the financial analysis industry standard models for determining the value of equity securities. Emphasis is placed on the calculations of cost of capital and equity value and the sensitivity analysis of the results. Students will be required to create and present a sell-side analyst report. Prerequisite: FIN 370, FIN 380; junior standing. Offered Fall.

FIN 475/575 Cr.3
Investment Analysis and Portfolio Management
An in-depth investigation of modern concepts of asset ownership, risks and the reduction of risk through portfolio construction. An efficient markets approach to contemporary capital market and portfolio theory with applications to investment management. Prerequisite: FIN 380; junior standing: admission to business. Offered Spring.

FIN 477/577 Cr.3
International Investments
The international political, economic and legal environment in which investment decisions are made. An evaluation of security valuation theory and practice in the context of international money and capital markets. Topics include the motives for international investment, exchange risk, foreign money and capital market instruments and their markets, and construction and management of portfolios. Prerequisite: FIN 380; junior standing; admission to business. Offered Occasionally.

FIN 480/580 Cr.3
Financial Management and Control
Focuses on the roles and responsibilities of the controller and treasurer in today's business and economic environment. From a controller's/treasurer's perspective, the course content includes: functions, organization, characteristics, standards of ethical conduct, financial reporting, internal controls/operations analysis, cost management and professional development. Prerequisite: FIN 370 or ACC 322; ECO 301 or ECO 305; senior standing; admission to business. Offered Occasionally.

FIN 485 Cr.3
Problems and Cases in Finance
Application of concepts and techniques to the solution of financial problems in a variety of areas using the case method and computer simulation games. Topic areas include corporation finance, security analysis and investment management, and commercial banking. Prerequisite: FIN 370, FIN 380; admission to business. Offered Fall, Spring.

FIN 499 Cr.1-3
Independent Study
Individual reading or research under the guidance of a staff member. Open to selected, advanced students who have excellent records in the department. Registration with the consent of the student's regular adviser, the instructor and the department chairperson. Approval form available in department office. Form must be completed prior to registration. Repeatable for credit - maximum 6. Prerequisite: admission to business. Consent of instructor. Pass/Fail grading. Offered Occasionally.

French (FRE)
+ next to a course number indicates a general education course

Courses

FRE 101 Cr.3
Elementary French I
The first of two introductory courses in French for students with no knowledge of French, focused on developing the four communicative skills: listening, speaking, writing, and reading. Introduction to contemporary Francophone cultures through a variety of topics from everyday life (family, shopping) to the arts (cinema, literature). Offered Fall, Spring.

FRE 102 Cr.4
Elementary French II
The second introductory course in French comprehension, speaking, writing, reading, and culture. Prerequisite: FRE 101 or placement based on UW System Placement Test scores. Offered Fall, Spring.
FRE 201 Cr.3
**Intermediate French I**
The first of two intermediate-level French courses which provides a review of basic structures while expanding on grammatical structures and vocabulary to allow students to express themselves in meaningful ways both orally and in writing. Cultural competence is integrated in language learning in an interactive manner. Prerequisite: FRE 102 or placement based on UW System Placement Test scores. Offered Fall, Spring.

FRE 202 Cr.4
**Intermediate French II**
The second of two intermediate-level French courses. Students continue to develop all language skills with special emphasis placed on refining reading and writing in French. Prerequisite: FRE 201 or placement based on UW System Placement Test scores. Offered Fall, Spring.

+FRE 220 Cr.3
**France and the Francophone World**
This course offers both historical and contemporary perspectives on France and its relationship to the Francophone world. Students will examine French history and colonialism and their impact on such regions/countries as Quebec, Martinique, Guadeloupe, Haiti, Senegal, Tahiti, and the Maghreb (North Africa). This course will also explore the multiple identities (based on ethnicity, race, gender and sexual orientation) that continue to "disrupt" the notion of a collective French consciousness as it persists today. These include North-African and Russian immigrants, Jews, women, gays and lesbians. Taught in English. Offered Spring.

FRE 303 Cr.3
**Advanced French I**
Development of all French language skills with emphasis on reading and writing. Prerequisite: FRE 202. Offered Fall.

FRE 304 Cr.3
**Advanced French II**
Development of all French language skills with emphasis on listening and speaking. Prerequisite: FRE 303. Offered Spring.

FRE 305 Cr.3
**An Introduction to Literature in French**
A beginning literature course designed to teach students to read, discuss and write about literature with depth and critical ability. Readings will include poetry, theater and short stories. Prerequisite: FRE 201 or placement based on UW System Placement Test scores. Offered Fall. Repeatable for credit — maximum 6. Prerequisite: FRE 303 or concurrent enrollment. Offered Spring.

FRE 321 Cr.3
**Studies in Francophone Civilizations**
This course is designed to provide an in-depth study of the civilization of French-speaking areas other than France. The individual topic will cover either the civilizations of several smaller areas or countries (i.e., Belgium, French Polynesia, Louisiana, etc.) or will deal with one major area (i.e., Quebec or Francophone Africa). The course is taught in French. Repeatable for credit — maximum 6. Prerequisite: FRE 303 or concurrent enrollment. Offered Occasionally.

FRE 326 Cr.1
**Current Events**
A weekly discussion of current events in the French-speaking world, based on readings, web-based news sources and television broadcasts in the target language. Students may take as many times as desired, but only three credits will count towards major/minor. Prerequisite: FRE 202 or equivalent. Offered Fall.

FRE 327 Cr.1
**Grammar Review**
A course designed to provide additional practice and review of French grammar and syntax. Students will engage in focused writing assignments that will allow them to master frequently occurring grammar structures (e.g., past tenses in narration, objective pronouns, relative pronouns.) Prerequisite: FRE 202. Offered Spring.

FRE 331 Cr.3
**French Phonetics**
An emphasis on French vocalic sounds, phonetic transcription, and practice in pronunciation. Prerequisite: FRE 202 or concurrent enrollment. Offered Spring.

FRE 351 Cr.4
**Films in French**
A study of films of the French-speaking world. Film viewing, discussion and writing assignments will all be in French. Lect. 3, Lab. 2. Prerequisite: FRE 202 or equivalent. Offered Spring - Every Third Year.

FRE 403 Cr.3
**Studies in French/Francophone Literature**
A course designed to survey major literary movements and authors in France or French-speaking countries; emphasis on chronology, definitions, literary criticism. Specific topics vary by semester. Repeatable for credit — maximum 6. Prerequisite: FRE 305 or equivalent. Offered Occasionally.

FRE 404 Cr.3
**French Literature: Theatre**
A course which examines major authors and literary trends in French theatre from the Middle Ages to the present day. Works read in entirety. Prerequisite: FRE 305 or equivalent. Offered Spring - Every Third Year.

FRE 405 Cr.3
**French Literature: Prose**
A course which examines major authors and literary trends in French prose works of all ages. Emphasis will be on the evaluation of the short story and novel with studies on the development of the narrator's role and the evolution in the description of a character. Prerequisite: FRE 305 or equivalent. Offered Spring - Every Third Year.
Courses

+FRE 430 Cr.3
Advanced French Syntax and Stylistics
An intensive study of the features of French sentence structure, with emphasis on the contrast between French and English. Prerequisite: FRE 304 and one literature or civilization course. Offered Fall - Odd Numbered Years.

+FRE 499/599 Cr.1-3
Independent Study
Fieldwork, research, individual projects in a specific area of French language, civilization or literature. Repeatable for credit — maximum 6. Prerequisite: two advanced french courses; junior standing. Offered Occasionally.

+FRE 498/598 Cr.1-3
Independent Study
Fieldwork, research, individual projects in a specific area of French language, civilization or literature. Repeatable for credit — maximum 6. Prerequisite: two advanced french courses; junior standing. Offered Occasionally.

+GEO 102 Cr.3
Maps and Society
This course introduces all aspects of maps and how they affect the individual in society. It examines the evolution of maps, the map as an art form, the map as a communication medium for spatial knowledge, the meaning of maps and their relationship to culture and society past and present, the influence of maps on an individual through mass media and the Internet, and the way maps reflect personal and societal points of view. It focuses on privacy and civil liberty issues of the individual in the age of digital information where maps and map databases can disclose the privacy of personal space. In addition, today's GIS maps (in planning, in marketing, in hazard controls, etc.) embed substantial amounts of personal information that can affect personal security and how our lives are directly, indirectly, knowingly, and unknowingly influenced. Offered Fall, Spring.

+GEO 200 Cr.3
Conservation of Global Environments
Introduction to natural resources, resource management, environmental and land use ethics, environmental impacts of resource utilization and strategies to resolve environmental conflicts. Course examines the relationships between society and the environment from the global to the local scale. Offered Fall, Spring.

+GEO 202 Cr.3
Contemporary Global Issues
This course will offer a contemporary multi-disciplinary perspective regarding the major issues and trends confronting the global society as it enters the 21st century. Emphasis will be given to a critical review and assessment of the origin and present condition of the plethora of situations and problems affecting modern global society. The student will also learn to critically evaluate current and future events. The course will incorporate the views and approaches of the following disciplines: sociology/anthropology, economics, geography, political science and history. (Cross-listed with ANT/ECO/GEO/HIS/POL/SOC 202; may only earn credit in one department.) Offered Fall, Spring.

+GEO 204 Cr.3
Geography of Wisconsin
Geographic patterns in Wisconsin. Physiographic regions, climate, population distribution, resources and their use, agriculture, industry, transportation, and urban growth. Offered Fall - Odd Numbered Years.

+GEO 208 Cr.3
Applications of Geographic Information Systems I
An introduction to applied aspects of Geographic Information Systems. GIS software, with an emphasis on ArcGIS, will be used to develop working proficiency with basic GIS procedures and applications. Topics include data input and output, forming queries, data overlay processes, and creating map layouts. Prerequisite: not open to geography majors. Offered Occasionally.

Geography (GEO)

+ next to a course number indicates a general education course
ESC/GEO 250 Cr.3

Fundamentals of Cartography
Methods for the collection of geographic information from various sources. Techniques of representation on maps. Emphasis on the theoretical/fundamental aspects of display of cartographic data, symbolization, map design and planning, and map evaluation through lectures and exercises. (Cross-listed with ESC/GEO; may only earn credit in one department.) Offered Fall, Spring.

ESC/GEO 270 Cr.1-3

Geographic Themes
Specifically selected topics or skills which may be designed for the interest of special groups will be offered with formalized instruction and methodology appropriate to geography and/or earth science. This course may be counted as an elective in the geography major or earth science minor at the discretion of the Geography/Earth Science Department. Prerequisite may be required at the discretion of the department. Repeatable for credit – maximum 6. Offered Occasionally.

GEO 300 Cr.3

Population Geography
A systematic analysis of the populations of the world and the geographic factors influencing human existence. A study of the origin and distribution of populations and the cultural features with which they are associated. Offered Fall - Odd Numbered Years.

GEO 304 Cr.3

Geography of Europe
Geographic factors in the changing physical, political, cultural and economic patterns in Europe. Emphasis on northwestern, central, and southern Europe and their importance in world affairs. Offered Fall - Odd Numbered Years.

GEO 306 Cr.3

Economic Geography
This course introduces students to the global economic patterns which have shaped and conditioned the world of the 1990s, and the salient economic geography models and approaches which help to explain such patterns. Elements emphasized include the evolution of social and economic organization; the globalization of economic activity since the late 1400s; the interconnectivity of development and underdevelopment; and the relationship between development and social environmental problems. Prerequisite: GEO 110 or ECO 110 or HIS 101 or ANT/ECO/ GEO/HIS/POL/SOC 202. Offered Fall.

GEO 307 Cr.3

Political Geography
A real differentiation and analysis of relationships between geographic factors and political entities. This includes physical environment, organization of space, cultural influences, and economic capabilities. Offered Occasionally.

GEO 308 Cr.3

Applications of GIS II
Advanced exploration of geographic information systems tools and applications. GIS software, with an emphasis on ArcGIS, is used to develop advanced GIS skills. Topics include: working with coordinate systems, editing and managing relational databases, working with ArcGIS extensions, and GIS project management. Not open to geography majors. Prerequisite: GEO 208. Not open to geography majors. Offered Spring.

GEO 309 Cr.3

Urban Geography
Geographical study of cities, their form, function, site and situation. Classification of cities, urban land use patterns, and the role of the city within its region. Offered Occasionally.

GEO 312 Cr.3

Geography of Africa
Cultural, physical and economic characteristics including the bases of problems in socio-economic development are investigated from a geographic perspective. Resources, regions, and world ties are studied. Offered Spring.

GEO 318 Cr.3

The Geography of Latin America & the Caribbean
The cultural and physical characteristics of Latin America and the Caribbean region are systematically examined and explained. This includes an examination of diverse physical and ‘built’ environments that encompass this region, from the borderlands of northern Mexico to the Tierra Del Fuego of the south; from the lush tropical environments of the Amazon, Jamaica, and Puerto Rico, to the Altiplano and arid regions of the west; from disparate lowlands to the startling mountain zones of the Andes. Indigenous civilizations which developed out of unique arrangements with these complex environments as well as those imposed and imported since 1500 will be explored in depth. Prerequisite: not open for credit to students who have completed GEO 316 or GEO 317. Offered Fall.

GEO 328 Cr.3

Geography of East and Southeast Asia
The geography of China, Japan, the Koreas, and Mongolia; the geography of the 10 states of Southeast Asia, including Indonesia, Thailand, Vietnam, Philippines, and Burma. Contemporary geopolitical problems and prospects; East Asia and the world; primordial and historical factors contributing to identity and conflict. The course emphasizes human-cultural patterns, salient physical characteristics, and the relationship between these. Offered Spring - Even Numbered Years.

GEO 331 Cr.3

Geography of the Middle East, Central and South Asia
The geography of the Tierra Del Fuego of the south; from the lush tropical environments of the Amazon, Jamaica, and Puerto Rico, to the Altiplano and arid regions of the west; from disparate lowlands to the startling mountain zones of the Andes. Indigenous civilizations which developed out of unique arrangements with these complex environments as well as those imposed and imported since 1500 will be explored in depth. Prerequisite: not open for credit to students who have completed GEO 316 or GEO 317. Offered Fall.

ESC/GEO 345 Cr.3

Remote Sensing
Introduction to remote sensing, emphasizing satellite multispectral observations of the earth applied to such fields as agriculture, forestry, water resources, urban and regional planning, and environmental assessment. Upper Midwest and selected areas worldwide are explored with visual and digital image processing techniques. (Cross listed with ESC, may only earn credit in GEO or ESC.) Offered Fall.

ARC/ESC/GEO 347 Cr.3

Geoarchaeology
An applied course on the contribution of earth sciences to the interpretation of archaeological contexts. This course will consist of field, lab and lecture components. Emphasis is placed on the methods of geoarchaeology and the applications of selected earth science fields to archaeological problems. Field trips will be a required component of the course in order to complete field descriptions and sampling. Prerequisite: ARC 195 or ESC 222 or ESC/GEO 426 or ESC/GEO 430. Cross-listed with ARC/ESC/GEO; may only earn credit in one department. Offered Occasionally.
ESC/GEO 385 Cr.3
Introduction to Geographic Information Systems
An introduction to both theoretical and applied aspects of Geographic Information Systems (GIS). GIS software, with an emphasis on ArcGIS, will be used to explore geographic questions. Hands-on exercises pertaining to environmental science, natural resource management, business, and urban planning will be used to complement lecture material. Topics will include data organization, database structure, input and output, data quality, and geographic analysis of spatial and attribute data. Offered Fall, Spring.

ESC/GEO 390 Cr.3
Geographic Field Methods
Covers fundamental concepts of field methods as applied to physical, cultural, urban and environmental geography. Students will gain experience in sampling, field surveying, GPS mapping, and observational data collection techniques. Includes reconnaissance and detailed surveys using current methods, GPS and field equipment; and practical integration of field data into a geographic information system. Prerequisite: GEO/ESC 385 or concurrent enrollment. (Cross-listed with GEO/ESC; may only earn credit in one department.) Offered Fall.

ESC/GEO 401 Cr.1
Focus on Geography: A Capstone Course
A seminar-style course designed to prepare students for graduate school and/or a career in geography/earth science. This course will cover the basic concepts of interviewing, graduate school application, oral presentation of a topic, and the writing of professional abstracts. The development of the field will be studied by the reading and discussion of landmark articles in geography and earth science. Students are expected to actively participate in the assessment of their major. Prerequisite: senior standing. Pass/Fail grading. Offered Fall.

ECO/GEO/HIS/PSY/SOC 408 Cr.4
Teaching and Learning History & Social Studies in the Secondary School
This course will be integrated with a field experience. In the context of a real classroom, teacher candidates will learn how to plan for and assess student learning in history and social sciences. With a focus on content knowledge, teacher candidates will plan a variety of meaningful learning experiences, assess student learning, and monitor and modify instruction to best support the individual learners in the classroom. The teacher candidate will design, enact, and assess activities that advance student understanding to more complex levels. Teacher candidates will gain experience in monitoring the obstacles and barriers that some students or groups of students face in school and learn how to design learning experiences to support all learners. HIS/ECO/GEO/PSY/SOC 408 Offered Fall, Spring.

ESC/GEO 422/522 Cr.3
Meteorology and Weather Forecasting
Various principles and laws which govern the behavior of the atmosphere are investigated. Laws of gases and radiation, energy exchange between the earth and the atmosphere, laws of motion, various forces governing atmospheric motion, atmospheric moisture and psychrometry, condensation, precipitable water and precipitation, atmospheric stability/instability, thermodynamic characteristics of the atmosphere, vorticity, and synoptic meteorology are discussed. Surface and upper-air charts, synoptic patterns, thermodynamic charts, radar and satellite images, and weather patterns are analyzed for weather forecasting. Prerequisite: ESC 101 or equivalent; junior standing. (Cross-listed with GEO/ESC; may only earn credit in one department.) Offered Spring.

ESC/GEO 425/525 Cr.3
Biogeography
A systematic analysis of the geographic distribution of organisms from historical, ecological and regional perspectives. Emphasis is placed on the principles and the methods of biogeography. Special reference is made to bio-geographic regions, the distribution of organisms in space and time, and ecological biogeography. Prerequisite: ESC 221; junior standing. (Cross-listed with GEO/ESC; may only earn credit in one department.) Offered Alternate Years.

ESC/GEO 426/526 Cr.4
Soil Morphology and Genesis
A study of soils around the world and the factors and processes that drive their formation and dynamic evolution. Emphasis is placed on soil morphology, pedogenesis, and biogeochemical influences within the soil environment. A one-credit lab section is devoted to hands-on exploration and study of soils through laboratory and field exercises. Prerequisite: ESC 221 or ESC 222. (Cross-listed with GEO/ESC; may only earn credit in one department.) Offered Occasionally.

ESC/GEO 427 Cr.3
Water Resources
A study of physical water resources systems and management and utilization of water as a resource. Class activities will include seminars on critical water resource management issues and hands-on analysis of pertinent data, including exercises in Geographic Information Systems. Prerequisite: ESC 221 or ESC 222. (Cross-listed with GEO/ESC; may only earn credit in one department.) Offered Alternate Years.

ESC/GEO 430/530 Cr.3
Fluvial Geomorphology
A systematic study of the interactions between flowing water and surface landforms. Emphasis is placed on watershed and stream development, sediment transport and storage, flow frequency analysis, and applications of fluvial principles to river management and stream restoration. Class activities will include field exercises in the La Crosse region, mathematical analysis of hydrologic variables, and spatial analysis with Geographic Information Systems. Prerequisite: ESC 221 or ESC 222. (Cross-listed with GEO/ESC; may only earn credit in one department.) Offered Spring - Odd Numbered Years.

ESC/GEO 440/540 Cr.3
Geographic Interpretation of Aerial Photographs
Systematic applications of aerial photographs in the interpretation and analysis of geographic problems. Emphasis is placed on the interpretation of digital photographs within a geographic information system. Topics include urban and rural land use, natural resource and environmental assessment. Lect.2, Lab 2. Prerequisite: GEO/ESC 385; junior standing. (Cross-listed with GEO/ESC; may only earn credit in one department.) Offered Occasionally.

ESC/GEO 445/545 Cr.3
Advanced Remote Sensing
Advanced techniques of digital satellite and airborne image analysis and processing, emphasizing theory and applications in natural resource, land use and environmental assessment. Includes practical approaches to integrating imagery with geographic information systems for spatial analyses and decision making. Data acquisition, integrity, manipulation, formatting, storage and retrieval are also examined. Prerequisite: GEO 345. (Cross-listed with GEO/ESC; may only earn credit in one department.) Offered Spring.
**Course descriptions**

ESC/GEO 450 Cr.3-12  
**Geography Internship**  
Practical experience with a variety of organizations where the student’s geographic background and training can be utilized to advantage. Students are placed in carefully selected positions screened by the department. Actual work supervision is accomplished by personnel of the selected agency and the department staff coordinator. A maximum of five credits may be counted toward the non-education major. Prerequisite: geography major plan; junior standing; cumulative GPA of 2.25 with a minimum of 2.75 GPA in geography. (Cross-listed with GEO/ESC; may only earn credit in one department.) Pass/Fail grading. Offered Fall, Spring, Summer.

ESC/GEO 455/555 Cr.3  
**Applied Map Design/Production in Cartography/GIS**  
This course explores both manual and digital methods in cartographic design and production, map design theory, perceptual aspects of map symbols, methods of production for small format and large format maps, cost efficiency factors, design environments in GIS packages, production of both monochromatic and color maps, map publishing. Prerequisite: GEO 250. (Cross-listed with GEO/ESC, may only earn credit in one department.) Offered Spring.

ESC/GEO 460/560 Cr.3  
**Environmental Hazards and Land Use**  
Environmental processes are investigated in light of the hazards they might pose for development and how they may be avoided or mitigated by proper land use planning. Prerequisite: ESC 221 or ESC 222. (Cross-listed with GEO/ESC; may only earn credit in one department.) Offered Occasionally.

ESC/GEO 470/570 Cr.1-3  
**Special Topics in Geography/Earth Science**  
Specifically selected topics or skills which may be designed for the interest of special groups will be offered with formalized instruction and methodology appropriate to geography and/or earth science. May be counted as an elective in the geography major or earth science minor at the discretion of the Geography/Earth Science Department. Prerequisite may be required at the discretion of the department. Repeatable for credit - maximum 6. Prerequisite: junior standing. Offered Occasionally.

ESC/GEO 476/576 Cr.1-3  
**Geography/Earth Science Topics for Teachers**  
Selected topics in geography and/or earth science pertinent to applications in the teachers’ classrooms. Courses are designed to meet the needs of teachers so that they may implement the course material into their classroom teaching. Prerequisite: junior standing. Offered Occasionally.

ESC/GEO 485/585 Cr.3  
**Advanced Geographic Information Systems**  
Advanced theories in geographic information systems database structures, advanced applications, database transfers, database management, use of census data, spatial analysis, and decision-making. Emphasis on ARCGIS and its applications. Integration of GIS with remote sensing and GPS. Prerequisite: MTH 145 and GEO or ESC 385. Offered Spring.

ESC/GEO 488 Cr.3  
**Spatial Data Analysis**  
Theory, methods, and techniques for quantitative analysis of spatial data. Students will learn and employ basic quantitative techniques for describing, modeling, and analyzing spatial data. This course explores point pattern analysis, methods for continuous data, and spatial regression. Focus will be on the interpretation and the application of spatial data analysis techniques to address geographic problems. Prerequisite: MTH 145. Offered Occasionally.

ESC/GEO 490/590 Cr.2-3  
**Independent Study**  
Individual readings and investigation of selected problems in geography. Open to senior majors and minors with a ‘B’ (3.00) average in geography. Registration with consent of regular adviser, instructor, department chairperson, and the dean of the college in which the student is enrolled. (Cross-listed with ESC/GEO; may only earn credit in one department.) Maximum credit applicable to major - 3; maximum credit from any instructor - 3. Repeatable for credit - maximum 6. Prerequisite: junior standing. Consent of instructor. Offered Fall, Winter, Spring, Summer.

ESC/GEO 495/595 Cr.1-3  
**Seminar in Geography/Earth Science**  
Investigation into various topics in geography or the earth sciences. Varying topics will be offered at intervals with a specific title assigned to each. Prerequisite: two semesters of geography and/or earth science. Additional prerequisite may be required by the instructor. (Cross-listed with ESC/GEO; may only earn credit in one department.) Repeatable for credit - maximum 6. Variable topics; check semester timetables. Prerequisite: junior standing. Offered Occasionally.

ESC/GEO 499 Cr.1-3  
**Undergraduate Research**  
Individual research by an advanced student under the supervision of a faculty member in the geography/earth science department. The student must present a written report and either have their work published in an appropriate journal or presented either orally or by poster at a conference acceptable to the department chair and adviser. A contract must be signed by the student, the project advisor, the student’s adviser and the Geography/Earth Science Department chair. Repeatable for credit - maximum 6. Three credits may be applied to a major or minor in geography and earth science. Prerequisite: 12 credits of geography and/or earth science with 6 of the credits numbered 300 or above, or consent of the instructor and department chair. (Cross-listed with GEO/ESC; may only earn credit in one department.) Offered Fall, Winter, Spring, Summer.

German (GER)

+ next to a course number indicates a general education course

**Courses**

GER 101 Cr.4  
**Elementary German I**  
The first of two introductory courses in German. The five language skills: listening, speaking, writing, reading, and culture are introduced. Offered Fall, Spring.

+GER 102 Cr.4  
**Elementary German II**  
The second introductory course in German comprehension, speaking, writing, reading, and culture. Prerequisite: GER 101 or placement based on UW System Placement Test scores. Offered Fall, Spring.

+GER 201 Cr.4  
**Intermediate German I**  
The first of two intermediate-level German courses. Students continue to develop all language skills with special emphasis placed on refining speaking and listening comprehension. Prerequisite: GER 102 or placement based on UW System Placement Test scores. Offered Fall, Spring.
+GER 202 Cr.4

Intermediate German II
The second of two intermediate-level German courses. Students continue to develop all language skills with special emphasis placed on refining reading and writing in German. Prerequisite: GER 201 or placement based on UW System Placement Test scores. Offered Fall, Spring.

GER 300 Cr.3

Advanced German
Development of all German language skills with emphasis on reading and writing. Prerequisite: GER 202 or equivalent. Offered Fall.

GER 301 Cr.3

An Introduction to German Literature
A beginning literature course designed to teach the student to read with depth and critical ability. Emphasis will be on German theatre, the short story, and poetry. Prerequisite: GER 202 or equivalent. Offered Spring - Odd Numbered Years.

GER 311 Cr.3

German Conversation and Composition
Practice in oral and written German to gain fluency in idiomatic style. Prerequisite: GER 202 or equivalent. Offered Fall - Even Numbered Years.

GER 313 Cr.3

German Grammar and Composition
An intensive study of German grammar and stylistics with an emphasis on controlled compositions. Prerequisite: GER 202 or equivalent. Offered Spring - Odd Numbered Years.

GER 315 Cr.3

Business German
A course designed to prepare advanced students in German to communicate effectively in the business world. Intensive practice in oral comprehension, speaking, writing, utilizing special, topical vocabulary related to international commerce. Strongly recommend MGT 100 or concurrent registration in MGT 100. Prerequisite: GER 202 or equivalent. Offered Fall - Even Numbered Years.

GER 320 Cr.3

German Civilization: 1870-Reunification
A topical and contrastive approach to German culture and civilization. A study of the social and political organization of Germany from 1870 to reunification in 1899, based on an historical perspective with special emphasis on the forces which led to National Socialism and the division of Germany after World War II. Milestones in German cultural history prior to 1870 will be touched on briefly. Prerequisite: GER 202 or equivalent. Offered Fall - Odd Numbered Years.

GER 321 Cr.3

German Civilization: 1989-Present
A study of contemporary life in the German-speaking world with particular emphasis on the Federal Republic since unification. Topics include unification, the political system, the educational system, and the geography of the region. The multi-cultural aspects of Germany, Austria, and Switzerland will be highlighted. Prerequisite: GER 202 or equivalent. Offered Spring - Even Numbered Years.

GER 326 Cr.1

Current Events
A weekly discussion of current events in the German-speaking world, based on readings and television broadcasts in the target language. Repeatable for credit — maximum 3. Students may take as many times as desired, but only three credits will count towards major/minor. Prerequisite: GER 202 or equivalent. Offered Fall, Spring.

GER 327 Cr.1

Grammar Review
A course designed to provide additional practice and review of German grammar and syntax. Students will engage in focused writing assignments that will allow them to master frequently occurring grammar structures (e.g., past tenses in narration, object pronouns, relative pronouns, adjective endings.) Prerequisite: GER 202 or equivalent. Offered Spring.

GER 330 Cr.3

German Conversation and Phonetics
A study of the German-language sound system. Students learn the IPA (International Phonetic Alphabet) modeling their speech after native speakers -both live and from recorded materials. Sound patterns are reinforced through conversational exercises which are based upon current events, readings, and cultural nuances. Prerequisite: GER 202 or equivalent. Offered Spring - Every Third Year.

GER 351 Cr.4

Films in German
The study of the German-speaking world film viewing, discussion and writing assignments will all be in German. Lect. 3, Lab. 2. Prerequisite: GER 202 or equivalent. Offered Occasionally.

GER 394 Cr.3

Translating Literature
A course designed to introduce students to great works of German literature. The course will center on representative writings by leading authors of the 19th, 20th, and 21st centuries whose works illustrate important aspects of German history and culture. In general these will be longer works of fiction and/or multiple works by such writers as Kafka, Goethe, Kleist, Mann, Boll, Grass, Wolf, etc. Works and authors will vary. Offered Fall - Even Numbered Years.

GER 398 Cr.3

German Thinkers and Popular Culture
A course that critically examines instances of popular culture such as Hollywood movies, reality TV, pop songs, social media sites, and bestselling novels through the lens of various philosophical traditions. Focusing predominantly on German thinkers from the 18th-20th centuries such as Kant, Schopenhauer, Nietzsche, Freud, and Benjamin, the course explores how their ideas can help a person today find deeper meaning in pop culture, as well as how pop culture might aid in understanding these thinkers’ difficult theories. Taught in English. Offered Fall - Even Numbered Years.

GER 399 Cr.3

German Literature in Translation
A course designed to introduce students to great works of German literature. The course will center on representative writings by leading authors of the 19th, 20th, and 21st centuries whose works illustrate important aspects of German history and culture. In general these will be longer works of fiction and/or multiple works by such writers as Kafka, Goethe, Kleist, Mann, Boll, Grass, Wolf, etc. Works and authors will vary. Offered Fall - Even Numbered Years.

GER 403 Cr.3

Studies of German Literature
A course designed to survey major literary movements and authors. Specific topics vary by semester. Repeatable for credit - maximum six. Prerequisite: GER 300 or GER 301. Offered Occasionally.

GER 406 Cr.3

Contemporary German Literature
From naturalism to the present. Selected novelas, novels, and drama by Rilke, Kafka, Mann, Brecht, Duerenmatt, Grass, and others. Prerequisite: GER 202 or equivalent. Offered Occasionally.
GER 450 Cr.1-4
National/International Intern Program
A course in German individually tailored to fit career needs: cultural awareness, technical vocabulary in German to prepare students who elect internship credits in other departments. German minors or other students having the equivalency of GER 202 may elect to take these credits off campus. Prerequisite: a declared major in department offering Intern Programs or a declared minor in German. Repeatable for credit — maximum 4. Offered Occasionally.

GER 495 Cr.2
Honors Seminar in German
An in-depth examination of a topic in German literature or civilization concluding with a research paper and presentation to faculty and peers. Prerequisite: admission to the Alvida Ahlstrom honors program; GER 300 and one 300 or 400-level literature or civilization course. Offered Occasionally.

GER 498/598 Cr.1-3
Independent Study
Fieldwork, research, individual projects in a specific area of German language, civilization or literature. Repeatable for credit — maximum 6. Prerequisite: two advanced german courses; junior standing. Offered Occasionally.

GER 499/599 Cr.1-3
Independent Study
Fieldwork, research, and individual projects in a specific area of German language, civilization or literature. Repeatable for credit — maximum 6. Prerequisite: two advanced german courses; junior standing. Offered Occasionally.

**Health Education (HED)**

+ next to a course number indicates a general education course

**Courses**

HED 101 Cr.2
Personal Health
The dynamics of health in life in a rapidly changing world; modern concepts of health, disease, and longevity; current medical findings relative to weight control, emotional health, human sexuality, family planning, venereal and other disease control, drug abuse, environmental health and quackery are included. Offered Occasionally.

HED/WGS 201 Cr.1
Social Justice and Peer Education
This course both educates students on social justice issues they face while in college and prepares them to be able to give presentations to peers in residence halls, classrooms, athletic teams, and student organizations with the goal of effecting social change. Subject matter will respond to campus needs. Repeatable for credit - maximum 3. Prerequisite: WGS 100 or ERS 100 or EFN 205 or WGS 230 or WGS 210; CST 110 recommended. (Cross-listed with HED/WGS; may only earn a max of three credits.) Pass/Fail grading. Offered Fall, Spring.

HED 205 Cr.3
Introduction to Health and Wellness Education
Introductory concepts related to the field of health education are examined. Basic principles, philosophies, and issues related to school health and community health education are presented. This course serves as an entry level course for both the school and community health tracks. Offered Fall, Spring.

+HED 207 Cr.3
Youth Health Issues
This exploratory course is designed to identify the health issues that affect youth throughout various stages of their development. Societal institutions that support the healthy growth and development of youth will be identified, while students consider strategies that enable the healthy mental/emotional, physical, and social development of today’s youth between the ages of 4-18. Offered Fall, Spring.

HED 230 Cr.2
Nutrition for Fitness and Health
This course examines basic principles of nutrition and the implications and effects of these principles on one’s diet, fitness level, and thus one’s health. Methods for teaching nutrition principles to various age groups will be emphasized. Offered Occasionally.

HED 250 Cr.1-3
Health Education Forum
Examination of current issues and problems in health education. Varying topics selected to extend the students’ knowledge in contemporary health issues, as determined by the health education department. Repeatable for credit — maximum 6. Offered Occasionally.

HED 320 Cr.3
The U.S. Health Care System
This course provides an overview and a developmental summary of the U.S. health care system and its driving forces and offers comparisons to other national health systems. Content includes major elements of the health care system and a consideration of today’s major health policy issues in a historical, economic, and political context. The course will also explore current issues confronting the health care system, raise important concerns and questions related to the different approaches to health care delivery, and identify key ethical issues. Offered Fall, Spring.

HED 335 Cr.3
Human Ecology and Environmental Health
This course examines the interdisciplinary and global effects of human-environment relationships. Emphasis is placed on the critical nature of the relationship between ecosystem health and human health and well-being. Environmental politics and economics, global disease, and traditional environmental health topics are considered for the purpose of improving the quality of life for all people through the creation of a sustainable society. Offered Fall, Spring.

HED 345 Cr.3
Issues in Mental and Emotional Health
This course examines the determinants of emotional and mental health which form a basis for health and healthy choices. A variety of constructs including, but not limited to resiliency, family and social processes, self-concept and learning that form the foundation for emotional and mental health will be presented and discussed. Students will be encouraged to deepen their commitment to effective teaching and learning. Prerequisite: HED 205. Offered Fall, Spring.

HED 346 Cr.2
Health Behavior Change
Skills, concepts, and processes for individualized health teaching. The course will examine health behavior change as a technique in the overall treatment of prevention of health problems. The approach is an integration of education, behavioral intervention, and health counseling. Prerequisite: PSY 100. Offered Occasionally.
HED 408/508 Cr.1-2
Microcomputer Applications in Health Education
This course is designed for both school health educators and community health educators. The course will focus on current software programs available for professionals in the health field. Students will be exposed to and learn to utilize a sampling of current software available, as well as assessment techniques to evaluate these programs. Prerequisite: junior standing; health education major or minor plan. Offered Occasionally.

HED 409/509 Cr.1
Stress Management and Relaxation Skills
An introduction to the detrimental effects of stress on an individual and the corresponding benefits of regular relaxation. This course will emphasize the basic skills of relaxation and will provide an experience that focuses on the practical application of these skills in one’s life. Prerequisite: junior standing. Offered Fall, Spring.

HED 412/512 Cr.1-3
Women’s Health Issues
This course will provide an opportunity for participants to identify major health issues confronting women today and to examine appropriate health prevention and health promotion lifestyle choices. It will explore health issues from the traditional medical model to the holistic model and provide a comprehensive overview of critical, contemporary women’s health issues. Repeatable for credit - maximum 3. Prerequisite: junior standing. Offered Spring.

HED 417/517 Cr.1
Understanding Child Abuse
This course will provide an opportunity for students to develop an understanding of the dynamics of child abuse as well as a practical framework from which to provide services to abused children and their families. Prerequisite: junior standing. Offered Occasionally.

HED 418/518 Cr.1
Youth Health Issues
An overview of youth health issues examining such topics as anorexia, drug abuse, suicidal tendencies, diseases, violence and emotional health problems. Effective ways of dealing with these issues in both the community and school setting will be discussed. Prerequisite: junior standing. Offered Occasionally.

HED 422/522 Cr.1
Sexual Abuse of Children
This course will provide an opportunity for participants to develop an in-depth understanding of child sexual abuse. Theoretical and research perspectives on the nature of abuse and its dynamics will be included as well as an update of available educational materials. Prerequisite: HED 417; junior standing. Offered Occasionally.

HED 423/523 Cr.1
Sexual Health Promotion Persons w/Disabilities
This course is designed to provide health care and allied health professionals and teachers with an overview of sexuality issues regarding persons with physical disabilities, chronic illnesses, and developmental disabilities. Prerequisite: junior standing. Consent of instructor. Offered Occasionally.

HED 425/525 Cr.3
Violence and Injury Prevention
Participants will review the major forces leading to violent behavior and injury in the United States and globally. Trends over time will be carefully reviewed and analyzed in order to detect risk factors and protective factors. Violence and injury prevention strategies will be reviewed, resulting in the development of prevention and intervention proposals using community-based programming and curriculum development strategies. Prerequisite: junior standing. Offered Fall, Spring.

HED 436/536 Cr.1
Alcohol, Health, and Behavior
This course is intended to help individuals develop a more complete understanding of alcohol as a public health problem. Alcohol’s impact on individuals, families, and society will be examined. Emphasis will be placed on information that will assist individuals in making intelligent decisions regarding the use of alcohol. Prerequisite: HPR 105; PSY 100 or PSY 212; junior standing. Offered Occasionally.

HED 437/537 Cr.3
Theories of Health Behavior
Overview of health behavior through the examination of health behavior theoretical constructs. Emphasis is on the application of behavior change theories and models to facilitate healthy behavior changes. Prerequisite: admission to community health education. Offered Fall, Spring.

HED 439/539 Cr.1
Teaching Stress Management and Relaxation Skills
This course examines both theory and cognitive information regarding stress and relaxation and the practical application of this information in a professional setting. The main thrust of the class is on how to develop, implement, teach and evaluate stress management and intervention programs. Prerequisite: HED 409; junior standing. Offered Occasionally.

HED 441/541 Cr.3
Human Disease Prevention and Control
Presentations by medical experts in the recent progress in disease prevention and control. Knowledge of many disease processes and treatments will be discussed. Primarily designed for prospective health educators, to explore in depth, selected topic areas of communicable and chronic diseases. Prerequisite: junior standing. Offered Fall, Spring.

HED 447/547 Cr.1
The Body/Mind Connection in Health
Recent developments in health related research are demonstrating a close functioning relationship between the nervous, endocrine, and immune body systems. As the field of psycho-neuroimmunology expands, applications in health promotion, health care and education are being developed. Many of the findings and applications verify health and healing practices from alternative health traditions. This course provides an opportunity to study many of the developments in psychoneuroimmunology and their application in health, healing and learning. Implications for health education methods will also be explored. Health care, human service and education professionals will benefit from the practical information provided. A series of case studies will be the center of the learning experience. Prerequisite: junior standing. Offered Occasionally.

HED 449/549 Cr.1
Value Development for Health
Practical systematic process in values formulation for healthy living. Decision making and problem solving strategies for understanding of beliefs, attitudes and perception that affect health status. Experiential skill learning applicable to professional health promotion and personal well being. Prerequisite: HPR 105, PSY 100; junior standing. Offered Occasionally.

HED 467/567 Cr.1-2
Experiential Learning Strategies for Health Education
This course examines emerging educational processes, strategies, and issues and how they can be applied in the facilitation of health education and health promotion programs in the school and/or community setting. Topics will vary per offering and target audience. Prerequisite: SHE 210 or CHE 240 (or equivalent) or teacher certification; junior standing. Offered Occasionally.
HED 469/569 Cr.3  
**Drugs, Society and Human Behavior**  
This course is directed at introducing social, psychological, pharmacological, and cultural aspects of drug use, misuse, and abuse. In addition, the methods, materials, and theories of drug abuse prevention in the school and community will be introduced. Prerequisite: BIO 103 or BIO 105; junior standing. Offered Fall, Spring.

HED 471/571 Cr.2  
**Health Education Responsibilities, Competency and Certification**  
Participants will have the opportunity to review the National Health Educator Competencies Update Project research resulting in a hierarchical model that serves as a framework for the Responsibilities and Competencies comprising the Entry, Advanced 1 and Advanced 2 levels. Each one of the seven Responsibilities will be examined with practitioner examples, and a review will be conducted for the Certified Health Education Specialist (CHES) national examination. Weekend format. Prerequisite: junior standing. Offered Occasionally.

HED 472/572 Cr.3  
**Sexual Health Promotion**  
A review of current information on health and human sexuality. Emphasis is given to biological, psychosocial and educational aspects of human sexuality with special emphasis on instructional activities related to interpersonal communication, decision-making ability and clarification of values. Prerequisite: ESS 205 or BIO 312; ESS 206 or BIO 313; junior standing. Offered Fall, Spring.

HED 473/573 Cr.3  
**Health Aspects of Aging**  
An exploration of the lifelong aging process and an examination of health factors affecting the elderly. Emphasis is given to the changes in a variety of health areas including, but not limited to, physical activity, nutrition, mental health, long-term care, sexuality, and death, dying and grief. The course will also include a service-learning component. Prerequisite: HED 205, CHE 240; junior standing. Offered Fall, Spring.

HED 474/574 Cr.3  
**Nutrition Education**  
Basic principles of nutrition are covered as well as current problems and topics regarding both personal and world nutrition today. Designed for the public school teacher, the community health educator, or those in related fields. Prerequisite: junior standing. Offered Fall, Spring.

HED 477/577 Cr.3  
**Grant-seeking in Health, Human Services and Education Programs**  
The grant-seeking enterprise is studied and applied. Generic grant-seeking content, practices, and concepts are presented for application in most disciplines and areas of interest. Content includes locating and communicating with funding agencies, writing and reviewing grant proposals, analyzing requests for proposals (RFPs), using technology in grant-seeking, and implementing and evaluating grant-funded projects. Prerequisite: admission to community health education. Offered Fall, Spring.

HED 485/585 Cr.1-3  
**Confrontations of Death**  
This course is designed to allow students to consider death both generally and on an individual basis. Various programs and experiences will be used to help individuals confront their own mortality and its relationship with the vitality of life. Prerequisite: junior standing. Offered Occasionally.

HED 486/586 Cr.1  
**Introduction to International Health**  
An introduction to the world health conditions/status; the different health care delivery systems, manpower and resources of selected countries in Asia, Europe and Africa in comparison to the United States. The course is designed as a survey of the condition of health and health care in the international setting. The roles/functions/responsibilities of the major international agencies and the governments will also be discussed as they relate to health. Repeatable for credit - maximum 3. Prerequisite: junior standing. Consent of instructor. Offered Occasionally.

HED 495/595 Cr.1-3  
**Independent Study in Health Education**  
Individualized study of areas not available in existing courses. Repeatable for credit - maximum 6. Prerequisite: junior standing. Offered Fall, Winter, Spring, Summer.

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**Health Information Management and Technology (HIMT)**

**Courses**

**HIMT 320/IS 321 Cr.3**  
**Survey of Information Technology in Health Care**  
In this course essential information technologies in health care (HITs) will be surveyed. Many important health care information systems (HISs) are built upon three categories of HITs: data processing technologies, information reporting technologies, and decision supporting technologies. Specific subjects pertaining to these technologies will be identified and introduced. (Cross-listed with IS/HIMT - may only earn credit in one department.) Prerequisite: admission to business or health information management systems minor. Offered Fall.

**HIMT/IS 340 Cr.3**  
**Ethical Issues, Security Management and Compliance**  
This course introduces three broad subjects: 1) evidence-based medical ethics pertaining to health care information management; 2) framework of health care information security management including security principles, policies and procedures, security management models, risk assessment, and protection mechanisms; and 3) health care regulations and compliance with focuses on the legislative systems, policies, and legal environment of health care in the U.S. and the existing health information laws, regulations and standards. Also addressed are the elements and development of compliance programs. (Cross-listed with IS/HIMT; may only earn credit in one department.) Prerequisite: admission to business or health information management systems minor. Offered Fall.

**HIMT/IS 370 Cr.3**  
**Health Care Systems: Analysis and Design**  
This is the first course in a two-course sequence that addresses methods and techniques of health care information system (IS) analysis and design as performed within the system development life cycle. Included will be the definition of the problem, fact gathering, analysis, logical design, selection and evaluation of alternative health care information systems solutions from the point of view of the health provider and user. The course focuses on the problem solving process that leads to the development of logical IS solutions to applied health care programs. (Cross-listed with IS/HIMT; may only earn credit in one department.) Prerequisite: IS 220 or HIMT 320. (Cross-listed with IS/HIMT 370; may only earn credit in one department.) Offered Fall.
HP 250 Cr.1
Medical Terminology for Health Professions
Students in various allied health fields will learn to use medically related terms in their professional communication. This course is required to learn the study of the language of medicine used in clinics, hospitals, and other health care settings. The student will develop a working knowledge of terms, roots, and abbreviations with emphasis on spelling, definitions, and pronunciation. An introduction to health care records, disease process, operative, diagnostic, therapeutic, and symptomatic terminology of body systems will be covered as they pertain to medical practice. Online course. Offered Fall, Spring, Summer.

HP 300 Cr.1.00
Nursing Partnership
This course is designed for students in the UW-Madison Western Campus nursing program. It is used to facilitate record-keeping for students officially enrolled in courses at UW, but using UW-L services. Prerequisite: Admission to UW-Madison nursing program. Repeatable; not graded; not listed on transcript. Consent of instructor. Offered Fall.

HP/RT 310 Cr.3
Pathophysiology
This course focuses on the pathophysiologic disorders that affect healthy systems across the life span. Theories of disease causation are introduced. Areas of emphasis include cellular and systemic responses, clinical manifestations and the response of tissue to radiation damage. Acquired, immune, infectious, carcinogenic and genetic alterations in body systems are included. (Cross-listed with HP 310; may only earn credit from one department.) Prerequisite: BIO 312, BIO 313; admission to radiation therapy, nuclear medicine technology, or the UW School of Nursing. Health professions students’ admission to NMT or UW nursing program, overrides are understood. Offered Fall.

HP 350 Cr.1-3
Topics in Clinical Science
Topics for this course are selected by the instructor and/or as developed by student/faculty dialogue to meet special interests and needs of students. These topics are relevant to pre-professional physician assistant education or others interested in health care careers, but are not found elsewhere in the university curriculum. Repeatable for credit - maximum 6. Offered Spring.

HP 499 Cr.1-3
Health Professions Research
This course will allow practical experience in carrying out a clinical research project in the health professions under the guidance of the principal investigator(s). Students will be required to search and critique the literature concerning the research problem, collect, analyze and manage data, assist with statistical analysis and writing of reports. Repeatable for credit - maximum 4. Offered Fall, Spring.

Health and Wellness Management (HWM)
Courses

HWM 300 Cr.3
Introduction to Human Health
This course is designed to provide students with a general background knowledge on many of the issues impacting our health today. Topics of study will include issues in mental, physical and social health such as stress, nutrition and fitness, alcohol, tobacco and other drugs, relationships and sexuality and diseases and disorders. An introduction to behavior change theories and the factors contributing to overall wellness will also be included. Prerequisite: BIO 103 or BIO 105; acceptance into the health and wellness management program. Consent of department. Offered Fall, Spring, Summer.

HWM 310 Cr.3
Changes Across the Lifespan
This course explores research and theory regarding the nature and processes of human development from early adulthood through old age and death. Key topics include biological theories of aging; the changing body; disorders of the brain; personality development; changing memory and thinking skills; relationship issues; careers and retirement, and death/dying. Prerequisite: HWM 300 or concurrent enrollment; acceptance into the health and wellness management program. Consent of department. Offered Fall, Spring, Summer.

HWM 320 Cr.3
Health and Medical Terminology
The purpose of this course is to introduce the student to the basic terminology used in health and medical settings. Although most wellness settings are not inclusive to a medical center or clinical setting, often the clients are participating in a program because of a visit to a medical setting. Since health care uses a unique blend of prefixes, suffices and terms related to both preventative and clinical care, it is important that the wellness professional has the knowledge and abilities to decipher this information. Emphasis will be placed on the systems that a wellness professional will most likely be exposed to including: cardiovascular, respiratory, muscular skeletal and nervous systems. Prerequisite: ENG 110 or ENG 112; consent into the health and wellness management program. Consent of department. Offered Fall, Spring, Summer.

HWM 330 Cr.3
Survey of Information Technology in Health Care
This course surveys essential health care information technologies (HIT) that are used for health care information systems (HISs). Popular HISs include electronic medical record systems (EMRS) that keep record of the patients’ history, the computerized provider order entry systems that record the history of the procurement of medicine and other medical necessities, telemedicine, which keeps information on the medical doctors in the computers, telehealth e-prescribing, which prescribes the medicine electronically, medication administration, which keeps the information of medical doctors and other hospital staff members, and nursing and ancillary service systems. Prerequisite: acceptance into the health and wellness management program. Consent of department. Offered Fall, Spring, Summer.

HWM 340 Cr.3
The Wellness Professional
This course explores the definition of wellness, health promotion and the seven dimension model of wellness. Students will learn the professional role and personal commitment required to implement lifestyle wellness programs. The course includes an overview of the history and philosophy contributing to the success of wellness and health promotion professionals. Students learn through assigned experiential learning the basic wellness principles. Activities explore personal wellness and whole systems healing in the seven-dimensions of Spiritual, Physical, Emotional, Career, Intellectual, Environmental, and Social. Prerequisite: HWM 300 and HWM 310; concurrent enrollment; PSY 100; acceptance into the health and wellness management program. Consent of department. Offered Fall, Spring, Summer.

HWM 350 Cr.3
Applied Research Methods/Evidence-Based Decision Making
This course is designed to familiarize students with research nomenclature, procedures for the design and evaluation of research and interpretation of statistical analysis in the health field. Also, to provide the tools for critically evaluating the validity of health research. Prerequisite: ENG 110 or ENG 112; acceptance into the health and wellness management program. Consent of department. Offered Fall, Spring, Summer.

HWM 360 Cr.3
Stress and Dependencies and Addictions
Examine common behavioral strategies with regard to stress and its management, and the use of alternative remedies for physical and emotional dependencies and addictions. Prerequisite: ENG 110 or ENG 112; BIO 103 or BIO 105; acceptance into the health and wellness management program. Consent of department. Offered Fall, Spring, Summer.

HWM 370 Cr.3
Health Behavior/Understanding and Effecting Change
Understanding how change happens. Basic knowledge and understanding of foundational change theories, based upon the 'Transtheoretical Stages of Change Model'. Included is a reflection on one’s personal wellness and strategies for implementing health behavior change. Prerequisite: PSY 100; HWM 300; acceptance into the health and wellness management program. Consent of department. Offered Fall, Spring, Summer.

HWM 380 Cr.3
Environmental Health
This course will examine the things we do as individuals and societies that result in environmental health issues. Participants will explore environmental factors and ecosystem functions that affect human health along with the interactions among environmental systems and social, economic, and political processes. Prerequisite: HWM 300; BIO 103 or BIO 105; acceptance into the health and wellness management program. Consent of department. Offered Fall, Spring, Summer.

HWM 390 Cr.3
Wellness Marketing and Health Communication
Students will develop basic marketing and promotional skills, grounded in the disciplines of social marketing, health communication and business marketing that address consumer health ‘needs’ and customer ‘wants’. Students will be able to assess market opportunities in wellness services, programs and facilities, and create marketing strategies and tactics. Emphases will be placed on best practices for behavior change, increased cost savings for employers, improved customer/employee participation and/or revenues for wellness programs, services and facilities. Prerequisite: PSY 100; CST 110; HWM 300; HWM 310; acceptance into the health and wellness management program. Consent of department. Offered Fall, Spring, Summer.
HWM 400 Cr.3  
**Resource Management**  
The objective of this course is to examine the functions of human resource management. The course will focus on recruitment, selection, job analysis, compensation, labor relations, performance appraisals, and organization change. Prerequisite: acceptance into the health and wellness management program. Consent of department. Offered Fall, Spring, Summer.

HWM 410 Cr.3  
**Applied Anatomy and Applied Fitness Principles**  
A hybrid of disciplines which examines the anatomical structures that facilitate movement and a very basic review of the energy systems and principles which support these structures, along with training approaches which stimulate them to become more efficient. Prerequisite: HWM 300; acceptance into the health and wellness management program. Consent of department. Offered Fall, Spring, Summer.

HWM 420 Cr.3  
**Health Literacy**  
This course will explore the current understandings and work in health literacy research, advocacy, and outreach efforts across the various health education and related fields. It will include readings, discussions, and competencies in evaluation of health information for quality and credibility; locating health and determining quality resources; identifying and assessing population health literacy; and understanding the networks of agencies working in health settings to address literacy in the health field. Prerequisite: HWM 300, HWM 320; BIO 103 or BIO 105; acceptance into the health and wellness management program. Consent of department. Offered Fall, Spring, Summer.

HWM 430 Cr.3  
**Population Health**  
This course introduces the evolution of health problems and services and will examine the methods designed to capture a community health profile. The participant will apply concepts involved in measuring and understanding the health of individuals and populations in order to enhance quality of life. The key social determinants of health and their interactions will be considered. Prerequisite: HWM 300; HWM 310; HWM 340; acceptance into the health and wellness management program. Consent of department. Offered Fall, Spring, Summer.

HWM 440 Cr.3  
**Introduction to Health and Wellness Coaching**  
Definition of coaching and diverse methodologies will be taught, practiced, compared, and contrasted. The course will assist in developing a strong, useful theoretical viewpoint for health coaching as well as to understand those of therapists and how differential treatment therapeutic goals are set. Students will specifically gain an understanding of what treatment, by whom, is most effective for individual displaying specific problems and under what set of circumstances. As a result you will learn a variety of treatment modalities, and learn to respect vastly differing world views. Prerequisite: CST 110; HWM 300; HWM 310; PSY 100; acceptance into the health and wellness management program. Consent of department. Offered Fall, Spring, Summer.

HWM 450 Cr.3  
**Medical Ethics/Medical Policy**  
This course will explore the moral values and judgments as they apply to medicine. Discussion will involve ethical principles which govern the practice of medicine as well as the ethical theories which form the basis of ethical argument. Prerequisite: HWM 310; HWM 340; acceptance into the health and wellness management program. Consent of department. Offered Fall, Spring, Summer.

HWM 460 Cr.3  
**Leadership and Change Management in Health**  
This course will examine the various leadership and management styles, including business models of leadership. Organizational behavior, decision making, and budgets will also be covered. An academic service learning component and community work will be expected as a component. Prerequisite: HWM 400; acceptance into the health and wellness management program. Consent of department. Offered Fall, Spring, Summer.

HWM 470 Cr.3  
**Assessment and Evaluation**  
This course surveys general approaches to assessment, programming and evaluation in health and wellness settings. Participants will explore individual, group, and organizational approaches to assessment, programming, and evaluating planned and organized efforts to promote both health and wellness. Prerequisite: HWM 350; HWM 430; acceptance into the health and wellness management program. Consent of department. Offered Fall, Spring, Summer.

HWM 480 Cr.3  
**Health Benefit Plans and Providers**  
The design and administration of a health care plan plays a key role in attracting and retaining employees and employers cost savings. This course is designed to provide you with a solid introduction to the basic issues of health care benefits and how to integrate successful return on investment (ROI) strategies for adopting preventative health benefits that enhance employee’s well-being. Prerequisite: HWM 320; HWM 430; acceptance into the health and wellness management program. Consent of department. Offered Fall, Spring, Summer.

HWM 490 Cr.3  
**Employee Health and Well-Being**  
What successful companies are doing is reviewed in case studies to provide the groundwork for the importance of workplace involvement in health. The relationship of employee health to health care costs and productivity will be calculated as return on investment (ROI) and investment in human capital. Strategic and product management planning are developed in relationship to disease management vs. population wellness theory. Assessment of employer needs, organizational culture, environmental policy and procedures supportive to desired outcomes are practiced. Professionals learn about aligning client needs and wants with best practice program design, implementation and evaluation for successful results. Age, gender, race and issues that affect participation in wellness programs are reviewed. Prerequisite: HWM 320; HWM 350; HWM 400; HWM 430; acceptance into the health and wellness management program. Consent of department. Offered Fall, Spring, Summer.

HWM 495 Cr.3  
**Capstone in Human Health and Wellness**  
This course emphasizes the application of knowledge and skills learned though an individualized project(s) approved and supervised by the appropriate academic advisor. Prerequisite: HWM 450; HWM 460; HWM 470; HWM 480; HWM 490 or concurrent enrollment; acceptance into the health and wellness management program. Consent of department. Offered Fall, Spring, Summer.

**Health, Physical Education and Recreation (HPR)**

+ next to a course number indicates a general education course
Courses

+HPR 105 Cr.3

Creating A Healthy, Active Lifestyle
This course will focus on the knowledge and skills necessary for developing and maintaining a healthy, physically active lifestyle throughout one’s lifespan. Major issues directly affecting one’s health such as physical fitness, movement skills and activities, health promotion and disease prevention, the effective use of leisure and content in various wellness topical areas will be included. Offered Fall, Spring.

HP/HPR 106 Cr.2

Introduction to Health Related Careers
Overview of health related professions in the health delivery system. Course will include educational and professional aspects of a broad range of health related careers. General topics will include an overview of the health related delivery system, health reform, legal and ethical issues, and professionalism. An interdisciplinary approach will be utilized to present specific information on individual health related professions. (Cross-listed with HP; may only earn credit in HPR or HP.) Offered Spring.

History (HIS)

+ next to a course number indicates a general education course

Courses

+HIS 101 Cr.3

Global Origins of the Modern World
This course explores the origins and development of the modern world, focusing on the dual dynamics of globalization and vital indigenous civilizations. The course will critically examine a minimum of three world civilizations, their ancient antecedents, and will include multiple themes, such as technology and science, religion, gender, war and peace, and the environment. Offered Fall, Spring, Summer.

+HIS 102 Cr.3

Global Transition and Change
This course examines world history from the perspective of one specific theme, such as technology and science, religion, gender, cross-culture connections, war and peace, arts and literature, government, or the environment. The course is global in scope, covering a minimum of three world civilizations. Individual sections will trace the development of one theme over the course of major changes in world history, ancient origins to the present. Students will have their choice of sections, thus of themes. Offered Fall, Spring, Summer.

HIS 200 Cr.3

Historiography and Historical Methods
This course is an introduction to both historiography (the history of the study of history) and historical research. In addition to introducing students to historiography, the course also introduces students to historical research methods, use of primary sources, problems of interpretation, and composition. Required for all history majors and minors. Offered Annually.

+HIS 202 Cr.3

Contemporary Global Issues
This course will offer a contemporary multi-disciplinary perspective regarding the major issues and trends confronting the global society as it enters the 21st century. Emphasis will be given to a critical review and assessment of the origin and present condition of the plethora of situations and problems affecting modern global society. The student will also learn to critically evaluate current and future events. The course will incorporate the views and approaches of the following disciplines: sociology/anthropology, economics, geography, political science and history. (Cross-listed with ANT/ECO/GEO/HIS/POL/SOC 202; may only earn credit in one department.) Offered Spring.

ARC/HIS 204 Cr.3

Ancient Literate Civilizations
An historical and archaeological study of ancient Eurasia and North Africa, including a survey of the major archaeological sites. Topics such as the development of urbanization in the Near East and Mediterranean, and comparative studies of the Indus civilization, China, Classical Greece, Rome, and the New World will be discussed. (Cross-listed with ARC/HIS; may only earn credit in one department.) Offered Occasionally.

+HIS 205 Cr.3

History of Ethical Values in World Religions
This course is a comparative historical survey of selected religions which focuses upon the distinctive ways that each religion developed norms of good and bad behavior that it imposed upon its adherents. What behaviors did each religious tradition label as good or bad, pure or impure? Why did each tradition place behaviors in those categories? How did those value judgments concerning good and bad behaviors change over the centuries? Some of the topics covered in this comparative historical fashion will include the treatment of women, attitudes toward abortion, contraception, sex outside of marriage, homosexuality, war, attitudes towards other religions, and environmental ethics. Offered Spring.

HIS 210 Cr.3

Survey of United States History
This course examines United States history from the period of the revolution to the present. It focuses on the development and reform of American politics, the evolution of American society and culture, and the place of the United States in the world. Offered Annually.

HIS 230 Cr.3

The Ancient and Medieval Worlds
An historical survey of the civilizations of West Asia, North Africa, and Europe from the advent of urbanization in 4000 B.C. to the beginning of the Renaissance (c. 1300 A.D.). Topics discussed will be the nature and status of women, ethnic and religious minorities, the importance of geography and technology. Special emphasis will be placed on studying historical themes that have survived to the present day. Offered Spring.

HIS 240 Cr.3

Survey of Modern Europe
This course will consider the forces of nationalism, liberalism, imperialism, and totalitarianism, as well as Europe’s interaction with non-western cultures, the two world wars and the Cold War. Upon completion of the course, the students will be able to place this period of European history within the context of global history. Offered Annually.

HIS 250 Cr.3

The Asian World
This course will introduce students to various aspects of Asian history with special focus on the Modern period (post-1800). In particular, it will compare the political, social and economic structures as well as the religious/philosophical underpinnings of Asian countries, including China, Japan, Korea, Vietnam, India and Indonesia. Offered Fall.
HIS 260 Cr.3
Survey of the Middle East
This course is an introductory course designed for students who would like to understand better the history and cultures of the Middle East but who have had little exposure to the region or even to the study of history. It covers the political, social, cultural, and economic Middle East from the rise of Islam to the present. We will select several major themes: the message of Islam, the development of Islamic civilization, Ottoman and Iranian cultures, responses to European imperialism, and nationalist and religious movements. Credits generated in this course apply as electives in the major or minor. Offered Annually.

HIS 285 Cr.3
Survey of Modern African History
This course is designed to introduce students to modern African history, from roughly 1800 through the 1970s. It gives a broad overview of African societies as they changed in the face of profound transformations like the trans-Atlantic slave trade, colonialism, independence, and globalization. Offered Fall.

ARC/HIS 295 Cr.3
Pyramids, Temples and Towns! The Archaeology of Ancient Egypt
This course is a survey of the archaeology of Ancient Egyptian civilization from an anthropological perspective and examines the Neolithic through Roman periods, ca. 5000 B.C. - A.D. 285. In this course, we will investigate the rise and development of Egyptian culture by examining selected archaeological sites and the material remains left behind by the ancient Egyptians. Using these materials, we will address specific topics of Ancient Egyptian civilization including the formation of the centralized state, sacred vs secular space, royal and private mortuary practices, urbanism, religion, roles of women in society, everyday life, history of Egyptian archaeology, recent discoveries, and future directions in the archaeology of Egypt. Offered Every Third Semester.

HIS 300 Cr.1-3
Topics in History
Topics selected by the individual instructor or by the students and instructor together. Special interests of both the bases of current world crises or areas of historical concern not covered in formal course work, may be the vehicles for this offering. Credits generated in this course apply as electives in the major or minor. Repeatable for credit - maximum 18. Offered Occasionally.

HIS/WGS 301 Cr.3
Women in the Modern United States: 1890-Present
This course introduces students to key issues in modern women's history in the United States. It explores women's experiences as workers, activists, consumers, citizens, and family members. It also examines the various ways in which generations of Americans have defined 'woman's place' and 'women's issues', and raises questions about the possibility for defining common 'women's issues' today. (Cross-listed with HIS/WGS; may only earn credit in one department.) Offered Alternate Years.

HIS/WGS 305 Cr.3
History of Feminist Thought
An examination of the history of feminist ideas in the United States and the historical context, both western and international, from which they emerged. (Cross-listed with HIS/WGS; may only earn credit in one department.) Offered Alternate Years.

-HIS 306 Cr.3
History of Ethnic America (ES)
The role and impact of immigrants and ethnic minorities on the political, economic and cultural development of the United States from colonial times to the present. Emphasis on the immigrant experience - the problems of immigrant adjustment, patterns of immigrant mobility and assimilation, and the persistence of ethnicity and ethnic tensions. Offered Annually.

HIS 308 Cr.3
Reforming U.S. Society
An exploration of moral and political reform and the reform impulse in the United States. Reform topics will include women's rights, antislavery, civil rights, temperance, populism, social and economic justice, and progressivism. Offered Occasionally.

HIS 310 Cr.3
Native American History
This course is a survey of Native American history in North America from the prehistoric era through the twentieth century, with an emphasis on the United States. This course will focus on Native American cultural, political, and economic structures, as well as patterns and strategies of coexistence with and resistance to European and European American communities. Offered Occasionally.

HIS 311 Cr.3
Dilemmas of Peace and War
An examination of the causes, consequences and nature of both war and peace in a global context. This course will consider war and peace throughout history and within various cultures. Offered Fall - Every Third Year.

ANT/HIS 312 Cr.3
Peoples and Cultures of Eastern Europe and the Former Soviet Union
This is a survey course that explores how people in Eastern Europe and the former Soviet Union have experienced the transition from socialism to postsocialism and beyond. Within the framework of cultural anthropology, we will examine the major concerns of postsocialism - including how people understand the role of the government, what is means to be a citizen, and how they view themselves as members of communities - in order to gain a better understanding of how people experience, manage, and challenge the broad changes that have occurred in the political, economic, and social systems. More importantly, we will focus on how people have redefined what they value in life, what it means to be a "good" person, and what it means to be "postsocialist" in light of these changes. (Cross-listed with ANT/HIS; may only earn credit in one department.) Offered Occasionally.

HIS 313 Cr.3
Colonial & Revolutionary America
A history of the founding and development of North American colonies and the era of the American Revolution, with special attention devoted to the establishment and evolution of Euro-American culture and the creation and maturation of American politics. Offered Alternate Years.

HIS 314 Cr.3
The Holocaust
This course is designed to introduce students to the Holocaust from the perspective of historians, writers and poets. Offered Fall - Every Third Year.

HIS/WGS 315 Cr.3
History of Feminist Thought
An examination of the history of feminist ideas in the United States and the historical context, both western and international, from which they emerged. (Cross-listed with HIS/WGS; may only earn credit in one department.) Offered Alternate Years.
HIS 316 Cr.3
Vietnam War
The history of the Vietnamese civil war with focus on U.S. involvement. It will examine Vietnam’s anti-colonial revolution; trace developing American foreign policy from Truman forward; analyze military developments; and study consequences of the war in both the United States and Vietnam. Offered Occasionally.

HIS 317 Cr.3
American Environmental History
This course studies human societies and their changing relationships with their physical and natural surroundings. The focus is on the environmental history of North America from pre-Columbian times to the present. Topics explored may include the Columbian exchange, evolving concepts of humanity’s relationship to nature, the development of a market economy, science and technology, government roles in conservation and preservation, and the recent emergence of an environmental movement. Offered Occasionally.

HIS 319 Cr.3
Readings in Twentieth Century U.S. History
Advanced seminar in the social, economic, political and diplomatic history of contemporary America from the 1890s to the present. Major topics may include the development of the modern bureaucratic corporate state, the rise of U.S. power and its international effects, and the roles of women and social and ethnic minorities in the 20th century. Includes intensive and extensive reading of historiography and historical monographs. Offered Occasionally.

HIS 320 Cr.3
Introduction to Public and Policy History
An introduction to public and policy history. Class time will be devoted to the background, methods and application of public and policy history. The class will cover topics in cultural resource management, public policy, or museum exhibits. Offered Every Third Semester.

HIS 321 Cr.3
Wisconsin History
An exploration of the history of Wisconsin, focusing on place, people, and the development of regional culture. Special emphasis will be given to environment, native peoples, ethnicity, the Progressive transformation of state politics, and community from the territorial period to the recent past. Offered Every Third Semester.

HIS 322 Cr.3
History of Public Education in United States
An investigation into historical changes marking K-12 public education in the United States beginning with the legacy of Puritan culture and colonial antecedents and concluding with historical perspectives on the nature of public schooling and the role of the federal government in education policy, in the twentieth century as well as the current age. Among the other major topics addressed are the purposes of schooling, the ideas of major education reformers, ongoing struggles over school curriculum, religion and public education, the origins of standardized testing, and the emergence of teacher unions. Prerequisite: HIS 101 or HIS 102. Offered Occasionally.

HIS 323 Cr.3
World War II
This course focuses on World War II, its causes, its conduct and its consequences. It will examine the war from a global perspective, exploring all of its aspects - political, diplomatic, military and civilian - in the broad context of national differences, rivalries and conflicts extending from World War I and The Treaty of Versailles (1919) into the third quarter of the twentieth century. Offered Fall - Every Third Year.

HIS 324 Cr.3
Civil War and Reconstruction
A study of U.S. History from 1820 to 1877 with an emphasis on the Civil War and Reconstruction and the political, economic, and social implications for the United States. Offered Occasionally.

HIS 325 Cr.3
America in the Cold War
The United States spent almost half of the twentieth century engaged in a hostile confrontation with the Soviet Union. This course will explore the origins of the Cold War from its development in 1945 to the collapse of the Soviet Union in 1991. It will study the economic and ideological conflicts between the two countries, as well as explaining the effects of the Cold War on U.S. domestic politics and culture. Offered Alternate Years.

HIS 326 Cr.3
Modern Christianity
This course surveys the history of Christianity from the beginning of the Protestant Reformation until the present. Offered Fall - Every Third Year.

HIS 327 Cr.3
History of Buddhism
A survey of the historical development of the Buddhist religion - its doctrines, practices, and institutions - from its origins through the 20th century. This course will analyze how Buddhism first evolved in India and focus upon the distinctive ways that it developed in Southeast Asia, Tibet, China, and Japan. Offered Fall - Every Third Year.

HIS 328 Cr.3
History of Hinduism
A survey of the historical development of Islam from its origins through the present day. It will also analyze the central beliefs, practices, and institutions of Muslims. Special attention will be given to the situations of women in the Islamic world. Offered Fall - Every Third Year.

HIS 329 Cr.3
History of Islam
A survey of the historical development of Islam from its origins through the present day. It will also analyze the central beliefs, practices, and institutions of Muslims. Special attention will be given to the situations of women in the Islamic world. Offered Fall - Every Third Year.

HIS 330 Cr.3
History of Religions
A survey of the historical development of the Hindu religion from its origins in the early Vedic period through the 20th century. Some of the topics covered include the evolution of the belief of reincarnation, the development and significance of the caste system, the development of Hindu attitudes toward women, and the evolution of the principal Hindu gods and goddesses. Offered Fall - Every Third Year.

HIS 331 Cr.3
The Ancient Greek World
A historical and archaeological survey of the ancient Greek world (Greece proper, the Aegean Islands, southern Italy, western Turkey). Periods discussed will include Cretan (Minoan), Mycenaean, Archaic, Classical, Hellenistic, and Early Greek Christian. (Cross-listed with ARC/HIS; may only earn credit in one department.) Offered Occasionally.
ARC/HIS 332 Cr.3
Ancient Rome and the Mediterranean
A historical and archaeological survey of the ancient Mediterranean area (with emphasis on the Italian peninsula) from the founding of the city of Rome to the collapse of the western Roman Empire in the fifth century A.C.E. Periods discussed will include: Italy in the Neolithic period, the founding of Rome, Etruscan Domination, the Roman Republic, the Roman Principate/Empire, and the advent of Roman Christianity. (Cross-listed with ARC/HIS; may only earn credit in one department.) Offered Occasionally.

HIS 333 Cr.3
Christianity to 1517
This course surveys the history of Christianity from its origin up to the beginning of the Protestant Reformation in 1517. Topics to be covered will include the following: question of the reliability of the Gospels as historical sources, early heresies, Christological and Trinitarian controversies, the conversion of Western and Eastern Europe during the Middle Ages, the evolution of the papacy and monasticism, the Crusades, and the status and treatment of women in ancient and medieval Christianity. Offered Occasionally.

HIS 334 Cr.3
Aspects of Chinese History
Each semester this course will examine a specific aspect of the history of China from earliest times to the present. Included will be the Chinese family; the role of ideology in Chinese history (Confucianism, communism, etc.); the revolutionary period (1800-1949); and China since 1949. Offered Occasionally.

HIS 335 Cr.3
History of China
A survey of the history of China from earliest times to the present. Included are the study of traditional China, the impact of western civilization on that traditional society, and the rise of communism. Offered Occasionally.

+HIS 336 Cr.3
Hispanics in the United States (ES)
This course will introduce students to the diverse experiences of Hispanic peoples in the United States through an interdisciplinary survey of their social, historical, political, economic, and cultural experiences. Offered Occasionally.

HIS 339 Cr.3
History of Russia and the Soviet Union
The origins and development of the Russian state from Kievan Rus through the collapse of the Soviet Union. This course will also examine the global impact of Russian interaction with Asian, Islamic and Western cultures. Offered Occasionally.

ARC/HIS 340 Cr.3
Origins of Cities
This course examines the origins and development of urban life. Students will first explore, from an anthropological perspective, the character of modern cities. Students will next examine the earliest cities in the Old and New Worlds, and comparatively explore the varied ecological, social, political, and demographic processes associated with urbanization in various ancient civilizations (Mesopotamia, Egypt, Indus Valley, China, Andes, and Mesoamerica). While the focus of this course is on archaeological cities, it draws heavily on ethnographic and sociological studies of urban forms. The purpose of this course is to provide students with a comparative understanding and appreciation of urban life and its long history. (Cross-listed with ARC/HIS; may only earn credit in one department.) Offered Occasionally.

HIS 341 Cr.3
Nineteenth Century Latin America
Study of the problems of political instability, economic underdevelopment and social disunity from the Wars of Independence (1810-1825) to World War I. Attention also to the non-Hispanic Caribbean region. Offered Alternate Years.

HIS 342 Cr.3
Twentieth Century Latin America
The struggle for economic development, political democracy, and social justice in the period of developing nationalism since World War I. The Non-Hispanic Caribbean is included. Offered Alternate Years.

HIS 343 Cr.3
U.S. Borderlands
This course will focus on the Hispanic frontier in North America from California to Florida and the interactions between the United States and Mexico (and Spain) from 1521-1990. Offered Occasionally.

HIS 344 Cr.3
Colonial Latin America
This course will analyze Iberian society as a way to understand the establishment and evolution of Hispanic institutions and culture in Latin America from 1492 until 1821. Offered Occasionally.

HIS 345 Cr.3
U.S.-Latin American Relations
This course will explore U.S. relations with the Latin American republics from 1776 to the present day. It will devote careful attention to the economic and political goals of U.S. foreign policy in Latin America and explore how these goals have fueled anti-U.S. nationalism, thereby compromising Washington's efforts to forge closer ties with the Latin American nations. Offered Occasionally.

HIS 346 Cr.3
History of the Middle Ages
The emergence and flowering of medieval European civilization - in its political, religious, socio-economic and cultural aspects - from the Germanic invasions to the Renaissance era. This course will also examine the Byzantine and Islamic civilizations; their interaction with the West; and the contributions made by the Muslim and Byzantine peoples to medieval Europe. Offered Occasionally.

HIS 347 Cr.3
A History of Greater Mexico
This course examines the Mexican experience in the United States as an integral part of Mexican history. Offered Occasionally.

HIS 348 Cr.3
Renaissance and Reformation
The broadening of European political, social, cultural, geographical and religious horizons from A.D. 1300 to 1648. This course will also examine European interaction with Asian, Islamic and American cultures, and the impact such interaction had upon Europe. Offered Occasionally.

HIS 349 Cr.3
History of Modern Europe (20th Century)
The emergence of Europe as a political, cultural, social, industrial and military power during the 19th and 20th centuries. This course will also explore European interaction with non-Western cultures, the two world wars, the Cold War, decolonization, the decline of Europe as a premier world power, and the break-up of Eastern Europe and Soviet regimes. Offered Occasionally.
HIS 350 Cr.3
Episodes in French History
An examination of various episodes in French history that illustrate major social, intellectual, political, and economic trends. Each semester will examine a specific aspect of French history since 1750. These will include: the French Revolutions of 1789, 1830, 1848, 1870, and 1968; war and occupation in France; and French intellectual development since 1750. Offered Occasionally.

HIS 351 Cr.3
History of France: 1750 - Present
A history of France since 1750 incorporating major social, intellectual, political, and economic trends. Offered Occasionally.

HIS 352 Cr.3
History of Modern Germany
Development of Germany through wars of unification and emergence as a world power, World War I and Weimar Republic, Nazi rule and World War II, and changes in the post-war Germanys. Offered Occasionally.

ANT/ARC/HIS 353 Cr.3
Maya Civilization
The course presents an overview of the Maya culture located in southern Mexico and Central America. The class is organized chronologically into several sections that focus on the origins, adaptations to various environments, social, political, and religious organizations, and the belief systems of the Maya beginning at around 3000 BC. Emphasis will be on Prehispanic Maya; will also explore life ways of contemporary Maya people. (Cross-listed with ARC/ANT/HIS; may only earn credit in one department.) Offered Summer.

HIS 354 Cr.3
Spain to 1700
This course will examine political, religious, socio-economic and cultural developments from the beginnings of Visigothic rule to the decline of Spain in the seventeenth century. Particular attention will be paid to Muslim and Jewish contributions to Spanish culture, as well as Iberian voyages of exploration and imperial ventures in the 'New World'. Offered Occasionally.

HIS 355 Cr.3
England to 1603
This course will examine political, socio-economic and cultural developments in England from the Anglo-Saxon invasions of the fifth century through the reign of Elizabeth I. Particular attention will be paid to the development of the English monarchy and of Parliament, as well as interaction with other European nations. Offered Occasionally.

HIS 356 Cr.3
History of Mexico
Survey of Indian and Hispanic roots of Mexican history on both sides of the border. Emphasis on events in Mexico which have affected the United States. Offered Alternate Years.

HIS 357 Cr.3
French Revolution
This course covers the French Revolution from a European and Global Perspective. It will cover the chronology of the Revolution, its political, cultural, social, and economic effects on Europe and the larger world, the experiences of various individuals and groups within it, and its long-term effects both in France and around the world. Offered Alternate Years.

HIS 358 Cr.3
Women, Gender and Sexuality in Modern Europe
The course examines changes in ideas about and experiences of gender and sexuality in Europe between 1700 and 2000. Topics emphasized include changing family structures, women’s emancipation and feminism, the intersection of race with gender and sexuality, the politics of reproduction, and gender transformation through war and revolution. Offered Alternate Years.

HIS 359 Cr.3
Women, Gender, and Sexuality in Latin America
The course analyzes historical transformations in Iberia and Latin America and their effects on women’s and men’s lives and gender relations. The relationship of gender and power will be explored to understand inequalities; themes will include precolonial societies, colonialism, religious change, urban labor, nationalism, sexuality, and homosexual cultures. Offered Occasionally.

HIS 360 Cr.3
Israeli-Palestinian Conflict
This course examines the history of the Israeli-Palestinian conflict, focusing on its origins, the actors involved, and key social and political factors that have shaped it. Offered Occasionally.

HIS 361 Cr.3
Human Rights and the Middle East
This course surveys the historical roots and practice of human rights in the Middle East, focusing primarily on the modern era. Topics include: definitions of vulnerability, minority, and religious rights, human rights violations, and Non-Governmental Organization (NGO) activism. Offered Occasionally.

HIS 362 Cr.3
Modern Indian History and Culture
An exploration of India’s history from the 19th to 20th century through key moments, characters, and themes. Various media such as primary documents, films, novels, short stories, and secondary documents written by historians serve as tools of analysis to explore the connections and gaps between history and popular culture. Offered Occasionally.

HIS 363 Cr.3
Gandhi’s India
A dominant figure in India’s struggle for independence from British rule, M. K. Gandhi (1869-1948) is also one of twentieth century’s most influential political activist and thinker as well as a famous pacifist, who inspired peace and civil rights movements globally. This course charts Gandhi’s life and career against events in London, South Africa, and India. It examines the evolution and application of his ideas and techniques of non-violent resistance, and his attitudes toward the economy, society and state. Gandhi’s influence on Indian politics and society is critically assessed and his claim to be the ‘apostle of non-violent revolution’ examined against developments since his death in 1948. Prior knowledge of Indian history is not required for this course. Offered Occasionally.

ARC/HIS 365 Cr.3
Ancient Iraq
A historical and archaeological survey of ancient Iraq (Syro-Mesopotamia) from its prehistoric origins in the neolithic period to the Seleucid period. Ethnic groups discussed will include the Sumerians, Akkadians, Babylonians, Assyrians, Kassites, Amorites, Chaldeans, and Elamites. Topics will include the rise of urbanism, cuneiform writing, religion, literature, displaced persons, gender relations, and social structure. (Cross-listed with ARC/HIS; may only earn credit in one department.) Offered Occasionally.
ARC/HIS 366 Cr.3
Ancient Israel
A historical and archaeological survey of coastal Syria and Palestine from the neolithic period to the Roman conquest. Various ethnic groups discussed will include the Eblaites, Phoenicians, Philistines, Canaanites, Arameans, Israelites, Samaritans, and Judeans. Special emphasis will be placed on putting biblical history in its Palestinian context. Topics will include social structure, gender relations, religion, and literature. (Cross-listed with ARC/HIS; may only earn credit in one department.) Offered Occasionally.

ARC/HIS 367 Cr.3
Ancient Egypt
This course is a survey of the history, archaeology, culture, and civilization of ancient Egypt from the prehistoric periods, the Pharaonic periods, as well as the Greco-Roman periods (to the advent of Christianity). Special attention will be given to reading historical texts in translation. We will also explore various aspects of Egyptian religion, and the treatment of woman and non-Egyptian ethnic groups. (Cross-listed with ARC/HIS; may only earn credit in one department.) Offered Occasionally.

ARC/HIS 368 Cr.3
History of Babylonian Language and Culture I
This course is a survey of Babylonian history, culture, and language. Babylonian, was the most extensive of the cuneiform languages of the ancient Near East, was the language of the ancient Assyrians and Babylonians and was used for over two millennia. Students will study aspects of the history and culture of ancient Babylonia, as well as learn the fundamentals of Babylonian grammar and syntax, and the cuneiform writing system. (Cross-listed with ARC/HIS; may only earn credit in one department.) Offered Occasionally.

ARC/HIS 369 Cr.3
History of Babylonian Language and Culture II
This course is a second semester survey of Babylonian history, culture, and language. Babylonian, was the most extensive of the cuneiform languages of the ancient Near East, was the language of the ancient Assyrians and Babylonians and was used for over two millennia. Whereas the student studies grammatical forms and is introduced to the cuneiform writing system in the first semester, the student in the second semester will work with documents. Students will study aspects of the history and culture of ancient Babylonia in later periods, as well as read legal, economic, and literary texts in the original language. Offered Occasionally.

HIS/WGS 370 Cr.3
The History of Black Women’s Activism
An historical overview of the thoughts, actions, and creative products of Black women activists in the United States, from slavery to the present. Students will examine historical analyses, speeches, essays, economic activities, organizational styles, political issues, and various forms of artistic expression that women of African descent have produced in order to query, resist, and defy the interlocking oppressions of racism, sexism, and classism in the United States. Prerequisite: EFN 205 or ERS 100 or WGS 100 or WGS 210 or WGS 230. (Cross-listed with HIS/WGS; may only earn credit in one department.) Offered Alternate Years.

ARC/HIS 372 Cr.3
History of Women in the Ancient World
A history of the nature and status of women in the ancient world as derived from textual sources, including works of literature, private letters, economic documents, and tomb inscriptions. Areas studies will be Syro-Mesopotamia, Israel, Iran, Anatolia, Egypt, and the Mediterranean world. Also discussed will be the study of women as derived from archaeological sources. (Cross-listed with ARC/HIS; may only earn credit in one department.) Offered Occasionally.

HIS 373 Cr.3
World War I
This course will examine World War I from a European and global perspective. It will cover the causes, nature, and results of the war as they relate to the society, economy, politics, and culture of Europe. Attention will also be given to some of the global effects of the war as well as the ways this war transformed the nature of warfare in the 20th century. Offered Alternate Years.

ARC/HIS 374 Cr.3
Ancient Turkey
An historical and archaeological survey of ancient Anatolia (the geographic name of Turkey) and surrounding regions (e.g., Syria and the Caucasus) from its prehistoric origins in the Neolithic period, the rise of urbanism, Assyrian mercantilism, Pre-Hittite cultures, the Hittite kingdoms, the Neo-Hittite states, Urartu, Phrygia, Lydia, Cimmerians, Medes, Persians, and various states in the Greco-Roman period to the advent of Anatolian Christianity. Topics will include cuneiform writing, religion, literature, law, gender relations, and social structure. (Cross-listed with ARC/HIS; may only earn credit in one department.) Offered Occasionally.

ARC/HIS 375 Cr.3
Iran before Islam
An historical and archaeological survey of ancient Iran and surrounding regions from prehistoric origins to the advent of Islam in the 7th century A.D. Among the topics discussed will be: the rise of urbanism and writing at Proto-Elamite Susa, Elamite civilization in southwestern Iran, Medes, Scythians, and Persians in the Iron Age, the Persian Empire, as well as the Seleucid, Parthian, and Sassanian kingdoms of later antiquity. Emphasis will be on the study of primary sources in translation (Sumerian, Akkadian, Elamite, Old Persian, Greek, Latin, and Hebrew, amongst others). Topics will include cuneiform writing in Iran, religion, literature, gender relations, classical traditions about Iran, and social structure. (Cross-listed with ARC/HIS; may only earn credit in one department.) Offered Occasionally.

HIS/WGS 376 Cr.3
History of Childhood in the United States
This course explores the vast diversity of children's experiences in American history, while also examining contemporary issues for children. The course explores historical change in the socialization, experiences, economic, cultural, and social positions of children. It also examines change and continuity over time in our cultural ideals of childhood and children's rights. (Cross-listed with HIS/WGS, may only earn credit in one department.) Offered Alternate Years.

HIS 377 Cr.3
U.S. Labor History
This course focuses on the history of the American working-class from the late eighteenth century to the late twentieth century. The course will examine the domestic, cultural, religious, economic, political, and social issues working people faced in the United States. Offered Occasionally.

HIS 378 Cr.3
History of the U.S. West
This course focuses on the history of the Trans-Mississippi West from European contact to the late 20th Century, with a focus on the 19th and 20th centuries. Topics covered include the federal West, settlement, immigration, extractive industries, agriculture, aridity, the environment, and Native Americans. Offered Fall - Every Third Year.
HIS 379 Cr.3  
**African Environmental History**  
This course examines how African environmental realities and Africans' conceptions of the environment shaped broader political, social and economic histories. It specifically addresses how 19th century economies, colonial policies, and post-independence priorities transformed Africans' relationships with their environments. Offered Occasionally.

HIS 380 Cr.3  
**Beyond Rwanda: War and Genocide in Africa's Great Lakes**  
This course examines recent civil wars and genocide in Africa's Great Lakes as regional and historically-rooted phenomena. Beginning with examination of how ethnic identity related to political structures in the region in the late 18th century, the course traces their dynamic transformations in response to local, regional, colonial, and postcolonial influences. Offered Occasionally.

HIS 381 Cr.3  
**Health and Healing in African History**  
This class interrogates how African understandings of health and practices of healing transformed from the pre-colonial through the post-independence periods. In particular, it examines the interrelationship between health and politics in African thought, the integration of western biomedicine into African systems of healing, and the changing disease environment of capitalism, colonialism, and globalization. Offered Occasionally.

HIS 382 Cr.3  
**Imperialism in Asia and the Pacific**  
This course focuses on the modern imperialism of the West and Japan in Asia and the Pacific. It will cover the period from the 'age of exploration' to the period of decolonization following the Second World War. The course will also analyze forms of what might be called neo-imperialism in Asia and the Pacific following that period. Topics emphasized include theories of imperialism as a constituent element of global modernity, the British Empire in Asia with particular respect to India, relatively informal imperialism in China, French and Dutch colonialism in Southeast Asia, the American takeover of Hawaii and US colonization of the formerly Spanish Philippines, and the rise and fall of the Japanese empire. Offered Occasionally.

HIS 383 Cr.3  
**Women in South Asia**  
This course maps the history of women in South Asia. While the primary emphasis will be colonial and post-colonial South-Asia, the course will begin with ancient India and trace women's history through the medieval period. We will survey the historical institutions, practices, and traditions that define the position of women. Offered Occasionally.

HIS 384 Cr.3  
**The Idea of Asia**  
This course addresses relationships between Asia as a concept originating in the West and modern history. Focuses include Orientalism, Pan-Asianism, and Popular Culture. Orientalism examines western representations of 'the East' as ideological bases for Western imperialism. Pan-Asianism examines how the Japanese, colonized Indians, and others have imagined Asian civilization as a solution to the problems of modernity. Popular culture examines imaginary conceptualizations of Asia in film, poster, and art. Offered Occasionally.

HIS 385 Cr.3  
**Modern African History**  
This course explores the history of Africa from 1800 to present. It focuses on the economic, political, social, and cultural forces that have shaped African societies. It examines continuities and changes by looking at ways in which Africans defined their needs under increasing external pressures. Topics include: colonization, nationalism, independence, post-colonial nation states, women's movements and neocolonialism. Offered Fall.

HIS 386 Cr.3  
**Women and Gender in Africa**  
An examination of gender and power in Africa, and the historical roots of inequality as experienced by women in the social, economic, religious and political spheres during the 19th and 20th centuries. Course combines case studies on: Queens, goddesses, warriors, gender systems, with thematic issues such as gender impact of colonialism, resistance, African feminism, women politicians and empowerment to provide a vivid image of the state of gender relations in Africa. Offered Fall.

HIS 387 Cr.3  
**African Novels and History**  
An introduction to the intellectual and cultural history of Sub-Saharan Africa and the experiences of African people in the 20th century specifically through novels. Emphasis on historical theory and research methods. African novels are used as sources of information to deepen understanding of African history. Offered Spring.

HIS 388 Cr.3  
**Comparative Slave Systems**  
A study of the commonalities and differences between slave systems in Africa and the Americas which explores conditions in communities created by slaves and escaped slaves from Brazil, the Caribbean and the southern United States. Focus on the impact of the slave trade, the abolition and the nature of historical consciousness within Africa and the African Diaspora. Offered Occasionally.

HIS 389 Cr.3  
**Women and Gender in the Middle East**  
This course examines the role of gender in Middle East history, from the first years of Islam to present, focusing on women's activism and changing experiences. Offered Occasionally.

HIS 390 Cr.3  
**Public History Research**  
An intensive research field school in historic preservation, cultural resource management, oral history, or museum studies. Students will complete one active research project in one of the above specialties. Both the specialty and the project will vary from semester to semester. Offered Fall, Spring.

HIS 391 Cr.3  
**History of Environmental Policy in the United States**  
This course explores the history of environmental issues in the United States by examining several case studies in contemporary policy from a historical perspective. Special emphasis is placed upon the skills of using historical evidence as a component of policy analysis. This course approaches environmental concerns by examining both their history and the political considerations underlying their creation and disposition. We seek to uncover and understand historical foundations and explanations for particularly contentious or intractable debates in environmental politics. Offered Occasionally.
HIS 392 Cr.3
History Through Film
This course uses film, television or similar media as a primary or secondary source in the study of history of a region, nation, or historical theme. The premise is that we may study the history of peoples, nations and cultures through film, rather than studying the history of film itself. This course will examine the perils and promise of using film as a source, briefly discuss film criticism and terminology, and include historical context for the films in the course. Students should expect to read and write about film criticism, history and historiography. Depending upon the instructor, students may be required to attend regularly scheduled film showings, watch the films on their own time, or make other arrangements requiring additional student time. Offered Occasionally.

HIS 393 Cr.3
Material Culture
This course is part of a sequence, along with HIS 403, for students interested in museum work. The course studies the history of museums from the seventeenth century to the present and reviews best practices in material culture analysis. Seminars expose students to historical sites, grant writing, object analysis, didactic panel composition, and exhibition design. Field trips and work with local institutions will be an important aspect of this course. Offered Fall - Every Third Year.

HIS 394 Cr.3
Modern Japanese History
This course focuses on modern Japanese history up to and including the aftermath of the Second World War. Emphases will be upon social, cultural, political, and economic transformations that occurred following the country’s forced opening to trade and diplomacy in the middle of the nineteenth century, subsequent industrialization and the formation of a unified nation-state with a constitutional monarchy, and Japan’s imperialism and modern wars. Themes will include analyses of the contradictions involved in processes of modernity and modernization as well as consideration of ways we remember the period in question in manifestations of culture and as history. Offered Occasionally.

HIS 395 Cr.3
Postwar Japanese History
This course focuses on transformations and continuities following Japanese defeat at the end of the Second World War. It covers how US occupation policies transformed Japan from a modern nation-state with a colonial empire into a Cold War client state that became an economic superpower. After analyzing the costs and benefits of the postwar ‘economic miracle’, the course investigates significant changes that followed the end of the Cold War in 1989, the death of the Showa Emperor (Hirohito) who had reigned since 1926 in that same year, and the bursting of Japan’s ‘bubble economy’ in 1990. The course ends with a consideration of what has happened in Japan since the beginning of the twenty-first century, and what the future may or may not entail. Offered Occasionally.

ARC/HIS 396 Cr.3
Ancient Syria
A historical and archaeological survey of ancient Syria and surrounding regions from prehistoric origins to the advent of the Roman conquest in the first century B.C. Among the topics discussed will be the rise of urbanism and writing along the Euphrates River, religion, gender, social structure, and literature. Moreover, the student will study in translation the vast cuneiform archives from Ebla, Mari, Alalakh, Qattara, Nuzi, Emar, and Ugarit, to name a few. Furthermore, biblical, classical, and medieval sources concerning Syria in the first millennium B.C. will be studied. (Cross-listed with ARC/HIS; may only earn credit in one department.) Offered Occasionally.

HIS 397 Cr.3
Social History of African Nationalist Movements
This course examines the role that ordinary African men and women played in ending colonialism and forming new nations, from the 1940s through the 1980s. It focuses on the processes of creating groups with collective goals, and the ways in which Africans articulated and contested their political visions for the future in the context of decolonization and the Cold War. Offered Fall - Every Third Year.

HIS 398 Cr.3
Social History of Colonial Africa
This course focuses on African social history in the face of European colonialism in the nineteenth and twentieth centuries. It particularly examines the ways in which ordinary men and women accepted, adjusted to, or contested the changes that colonialism brought to their work, family, and community lives. Offered Fall, Winter, Spring, Summer.

HIS 401 Cr.3
History and Japanese Religions
This course examines the complex history of religions in Japan. Focuses will include the various forms of Buddhism that came to Japan over centuries and how they interacted with the politicized animism and ancestor worship called Shinto. The course also addresses the way that modernity in Japan radically altered religious belief and practice, the relationship between post-1868 Shinto and nationalism, connections between Buddhism and imperialism, and post-1945 developments including the flourishing of new religions and religious cults. Offered Fall - Every Third Year.

HIS 403 Cr.3
Exhibition Design and Development
Course surveys best practices in exhibit design and development through practicum that exposes students to concept development, special planning and design, care of artifacts and collections, and the visitor experience. Offered Spring - Every Third Year.

HIS 404 Cr.3
Migration and Empire
This course offers in-depth case studies of the Mongol, Ottoman, Dutch, and British empires (1200s-1900s CE), with particular emphasis on the role human migrations played in the creation and expansion of these empires. Selected types of migration to be analyzed in the context of these historical empires include: military, refugee, enslaved, and opportunity-seeking. The construction of migrant group identity, and reactions to migrants from different segment of imperial societies, will also be explored. Special emphasis will be placed on the labor, religious, and ethnic or racial distinctions that emerged as diverse populations came into contact with each other. Offered Fall - Even Numbered Years.
HIS 405 Cr.3
**Migration: Personal Accounts**
This course examines personal experience (individual, family level) of long distance migration and what they can help us understand about historical migration patterns ca. the 1700s-2000s CE. Types of world migration covered include 16th-18th century indentured and enslaved migrations to the Caribbean, 19th century wage-labor migrations to the Americas, and refugee migrations as a result of world wars in the 20th century. The course prioritizes analysis of visual and written primary source materials created by emigrants. Examples include diaries, letters, photographs, oral histories, and manga. These types of materials will be used to investigate selected aspects of the migrant experience, including: life in transit, maintaining ties to home, adjustment to new economic and cultural contexts, and prospects for being accepted into receiving societies. Offered Spring - Odd Numbered Years.

HIS 406 Cr.3
**Topics in Social History**
Social historians investigate the ways that different social groups are defined and treated according to categories such as race, class, and gender. They are also concerned with the way that ordinary people define themselves, make claims on governments, and organize for change. Each time the class is offered it will focus on a particular topic important to social historians. Examples might include migration, urbanization, industrialization, social movements, the family, identity, or slavery. Examples and case studies will be drawn from several times and/or places. Offered Occasionally.

HIS 407 Cr.3
**State and Society**
Could absolute monarchs actually rule with absolute power? Were fascist and communist states really totalitarian in their control of society? Political arguments frequently make generalized claims about "the government" or "the nation" and its relationship to its citizens or subjects. Yet these terms are often only vaguely understood, especially in any historical depth. This course enables students to understand the historical development of state forms and the ways that states and societies interact with one another. Students will use theories and arguments employed by historians to make clearer the complicated relationships by which states exert power and societies demand, accept, or resist the imposition of order by their states. Offered Occasionally.

ECO/GEO/HIS/POL/PSY/SOC 408 Cr.4
**Teaching and Learning History & Social Studies in the Secondary School**
This course will be integrated with a field experience. In the context of a real classroom, teacher candidates will learn how to plan for and assess student learning in history and social sciences. With a focus on content knowledge, teacher candidates will plan a variety of meaningful learning experiences, assess student learning, and monitor and modify instruction to best support the individual learners in the classroom. The teacher candidate will design, enact, and assess activities that advance student understanding to more complex levels. Teacher candidates will gain experience in monitoring the obstacles and barriers that some students or groups of students face in school and learn how to design learning experiences to support all learners. HIS/ECO/GEO/POL/PSY/SOC 408 Offered Fall, Spring.

ERS/HIS 409 Cr.3
**20th Century Civil Rights Movement**
This course explores the modern civil rights movement in the US and the struggle for African Americans and other marginalized groups to gain equal rights in voting, education, employment, housing, and other facets of life in the US. It begins with the MOWM and examines the seemingly completing philosophies of civil rights organizations such as CORE, SNCC, SCLC, BPP, AIM, SDS and other civil rights leaders, and local people in shaping their own destinies. It highlights and interrogates major national and local political struggles and their reciprocal relationships with international political and anti-colonial movements from 1941 to the present. It concludes with exploring the link between convict leasing, prison reform movements, political prisoners, and the prison industrial complex as the New Jim Crow. Prerequisite: ERS 100. (Cross-listed with ERS/HIS 409; may only earn credit in one department.) Offered Fall.

ERS/HIS 411 Cr.3
**20th Century African American Urban History**
This course will explore the interrelationships between race, class, and gender among blacks in the twentieth century American city. Throughout the semester we will interrogate the confluence and the divergence of the myths and the realities of the black urban political, social, and cultural experience in the United States. The course begins in the American South in 1900, where the majority of blacks continued to live, and follows the migration of over two million African Americans to the northern and western United States in the years between World War I and World War II. The course continues with the black community-building process and the black urban struggle for political, economic, and cultural self-determination. While blacks in the South played an enormous role in the Civil Rights Movement, this course will include focus on the Civil Rights and Black Power Movement in the Urban North and West, and concludes with examinations of the rise of the so-called second ghettos. Prerequisite: ERS 100. (Cross-listed with ERS/HIS 411; may only earn credit in one department.) Offered Fall.

HIS 412 Cr.3
**Global Trade and Labor, 1500 to Present**
This course examines the history of everyday commodities that we consume or use, often without considering where they came from (sugar, coffee, rubber). It centers on the development of plantation-style agriculture in the Americas, Caribbean, Southeast Asia, and Africa from the 1600s-1930s CE. Power relationships between laborers, landowners, colonial governments, and consumers are examined in order to connect trade goods to the historical societies in which they were produced. A particular emphasis is placed on links between European imperialism, labor migration, and inequality. Offered Every Third Semester.

HIS 413 Cr.3
**Topics in Cultural History**
This course is an introductory course on relationships between history and culture. Emphases will vary whenever the course is taught.
Generally, it covers three interrelated areas: (a) the history of the concept of culture and cultural practices, (b) cultural history, and (c) trans-disciplinary cultural studies. The course will focus upon signification in history, which may involve arts and aesthetics, symbols and signs, language and writing, customs and traditions, and various manifestations of culture in realms such as performances, architecture, cuisine, and apparel. The course will make connections between the place of culture in historical studies and other disciplines in the social sciences and humanities. Instructors may choose to introduce students to both conceptually oriented readings and studies of particular manifestations of culture in various times and places across history and the globe. Offered Alternate Years.
**Information Systems (IS)**

**Courses**

**IS 220 Cr.4**
**Information Systems for Business Management**
This course provides the basic level of management information systems literacy. Students will be exposed to the building blocks of computer-based information systems, the various organizational aspects of utilizing information systems, and the role of information technology in the digital economy. To stress the importance of user participation, the systems development life cycle will be introduced from end-users' perspective. Additionally, students will acquire essential skills of personal productivity tools through hands-on training in small classes. Offered Fall, Spring.

**IS 300 Cr.3**
**Information Systems Theory, Problem Solving, and Decision Making**
This course provides an understanding of the systematic ways for formulating business problems from information systems perspectives, and of the necessary decision processes that lead to effective solutions. Major topics include information systems theory, organizational decision support using IS, decision theory, decision analysis paradigms, and other problem solving techniques. Group decision support technology will also be introduced. Prerequisite: IS 220; admission to business or information systems minor. Offered Spring.

**IS 310 Cr.3**
**Information System in Networked Environments: Technical Foundations and Applications**
This course provides fundamentals of data communications and business networking requirements, and examines the linkage of information technology strategies and technological solutions for enabling effective business processes within and between organizations in emerging environments. Major topics include fundamentals of data communications and business networking, applications to data communications, basic technologies of the Internet and the Web, commercial use of Internet technologies, e-business applications, and cases in online industries. Prerequisite: IS 220; admission to business or information systems minor. Offered Spring.

**IS 320 Cr.3**
**Computer-Based Decision Support Systems for Management**
An examination of how various software application packages such as spreadsheets, database management systems, and other software tools, are employed to support decision making in business environments. Topic areas include modeling, decision-support systems, data warehouses, on-line analytical processing, and data mining. Prerequisite: CS 120; IS 220; admission to business or information systems minor or health information systems minor. Offered Occasionally.

**HIMT 320/IS 321 Cr.3**
**Survey of Information Technology in Health Care**
In this course essential information technologies in health care (HITs) will be surveyed. Many important health care information systems (HiSs) are built upon three categories of HiTs: data processing technologies, information reporting technologies, and decision supporting technologies. Specific subjects pertaining to these technologies will be identified and introduced. (Cross-listed with IS/HIMT - may only earn credit in one department.) Prerequisite: admission to business or health information management systems minor. Offered Fall.

**IS 330 Cr.3**
**Business Choices and Telecommunications Decision**
An examination of the business and organizational role of telecommunications. The course will not address the theoretical foundations of telecommunications, but rather focus on using telecommunications to support and achieve business strategies. Course topics will include how businesses are being reshaped by advances in telecommunications; how businesses plan, deploy and manage telecommunications resources; and how businesses are utilizing and administrating local area network (LAN) and wide area network (WAN) technology to achieve business objectives. Prerequisite: CS 120; IS 310; admission to business or information systems minor. Offered Fall.
HIMT/IS 340 Cr.3
Ethical Issues, Security Management and Compliance
This course introduces three broad subjects: 1) evidence-based medical ethics pertaining to health care information management; 2) framework of health care information security management including security principles, policies and procedures, security management models, risk assessment, and protection mechanisms; and 3) health care regulations and compliance with focuses on the legislative systems, policies, and legal environment of health care in the U.S. and the existing health information laws, regulations and standards. Also addressed are the elements and development of compliance programs. (Cross-listed with IS/HIMT; may only earn credit in one department.) Prerequisite: admission to business or health information management systems minor. Offered Fall.

IS 360 Cr.3
Management of Information Technology
An examination of issues that both MIS and non-MIS managers face in managing information and information technology within an organization. The course is a topics course and will, of necessity, vary from semester to semester. Prerequisite: IS 220 or HIMT 320. (Cross-listed with IS/HIMT; may only earn credit in one department.) Prerequisite: admission to business or health information systems minor; junior standing. Offered Spring.

HIMT/IS 370 Cr.3
Health Care Systems: Analysis and Design
This is the first course in a two-course sequence that addresses methods and techniques of health care information system (IS) analysis and design as performed within the system development life cycle. Included will be the definition of the problem, fact gathering, analysis, logical design, selection and evaluation of alternative health care information systems solutions from the point of view of the health provider and user. The course focuses on the problem solving process that leads to the development of logical IS solutions to applied health care programs. (Cross-listed with IS/HIMT; may only earn credit in one department.) Prerequisite: IS 220 or HIMT 320. (Cross-listed with IS/HIMT 370; may only earn credit in one department.) Offered Fall.

IS 401 Cr.3
Management Information Systems: Analysis and Design
This is the first course in a two-course sequence that covers the development process for a computer-based management information system. This course emphasizes physical design and implementation of the system. Students will implement an information system in a client-server environment, using a programming language capable of calling functions in a database management system. Prerequisite: CS 364 and IS 401; admission to business. Offered Spring.

HIMT/IS 420 Cr.3
Health Care Systems: Project Management
This course addresses the phenomenal impact information system (IS) projects have had on health care delivery. Students learn how IS health care projects affect organizations, doctors, patients, and chronic-illness treatments, as well as individuals interested in managing their own health care. Concepts and tools for IS health care project management, process reengineering and work redesign are introduced. The purpose of this course is to expose students to IS project management activities in health care settings. Topics covered include recent IS health care project trends, budgeting, scheduling, resource management, scope, risk analysis, and deployment controls. The genesis of health care project management is covered using specific cases and examples. (Cross-listed with IS/HIMT; may only earn credit in one department.) Prerequisite: admission to business or health information management systems minor. Offered Spring.

HIMT/IS 435 Cr.3
Data Communications and Computer Networks in Health Care
This course provides fundamentals of data communications and networking techniques, and examines the linkage of information technology strategies and technological solutions enabling effective communication within and between health care organizations. Major topics include fundamental concepts of data communications and applications, network communication devices, basic technologies of the Local Area Network, Wireless Local Area Network, Wide Area Network, Internet and the Web, the OSI stack, health care information system standards, and the HIE, RHIN, and the NHIN. (Cross-listed with IS/HIMT; may only earn credit in one department.) Prerequisite: IS 220 or HIMT 320. Offered Spring.
International Studies (INS)

Courses

INS 225 Cr.1-3
Seminar in World Area Studies
An interdisciplinary examination of the geography, history, culture, and political, economic and social systems of a particular country or world area. Topics vary. Repeatable for credit — maximum 6. Offered Occasionally.

INS 226 Cr.1
Seminar Foreign Study Tour
Group travel to a selected country or world area, to provide direct contact with the geography, history, culture, and political, economic, and social systems of that region. Must be taken concurrently with a university course that includes foreign travel or foreign tour. Pass/Fail grading. Offered Occasionally.

INS 230 Cr.3
Introduction to British Life & Civilization
An interdisciplinary survey of the geography, history, culture, and political, economic, and social systems of Great Britain. This course is taught each semester at the University of Wisconsin in Scotland. Must be offered at the University of Wisconsin-La Crosse as warranted. Offered Occasionally.

INS 250 Cr.1
Orientation to Study Abroad
This course is required for students accepted into all semester-long study abroad programs offered under the auspices of the University of Wisconsin-La Crosse. It is designed to provide an introduction to the various challenges (cultural, social, linguistic, academic, political, and economic) related to resident study and research in a foreign country. Students learn about stages and theories associated with culture shock, intercultural sensitivity and communication, and reverse culture shock. Students also learn how to apply these theories to their own upcoming international experience. Must complete INS 250, INS 251, and INS 252 to receive general education credit. Consent of department. Offered Fall, Spring.

INS 251 Cr.1
Study Abroad Practicum: Journaling
Students will demonstrate an understanding of the various stages and theories associated with culture shock, intercultural sensitivity and communication and reverse culture shock presented in INS 250. Through journaling students will apply an understanding of the various stages and theories associated with culture shock to their lived experiences in their host country. To accomplish this, students will complete a series of guided written assignments that deal with these specific topics. Students must complete this course while on study abroad. Must complete INS 250, INS 251, and INS 252 to receive general education credit. Prerequisite: INS 250. Offered Fall, Spring, Summer.

INS 252 Cr.1
Cross-Cultural Reentry From Study Abroad
This course is designed for students returning from a study abroad experience. This course will review the concept of re-entry shock discussed in INS 250, examine the process of re-entry, and provide strategies for integrating the study abroad experience with academics, professional goals and personal development. Must complete INS 250, INS 251, and INS 252 to receive general education credit. Prerequisite: INS 250, INS 251. Offered Fall, Spring.

International Business (IB)

Courses

IB 450 Cr.1-6
International Business Internship
The internship program as conceived and implemented is an unusual program designed to provide an opportunity for students in the College of Business Administration to participate in an approved program with a cooperating business, governmental or civic organization for usually 15 weeks of their undergraduate work. All management information systems (MIS) internships must be approved and supervised by an I-S faculty member. For additional information, see internship description under the College of Business Administration heading. Repeatable for credit. Prerequisite: cumulative GPA of at least 2.50; ACC 221, ACC 222; BUS 205, BUS 230; ECO 110, ECO 120; FIN 355; IS 220; MGT 308; MKT 309; admission to business. Pass/Fail grading. Offered Fall, Spring, Summer.

IB 499 Cr.1-3
Independent Study
Individual reading or research under the guidance of a staff member. Open to selected advanced students who have excellent records in the department. Repeatable for credit - maximum 6. Prerequisite: admission to business. Consent of instructor. Pass/Fail grading. Offered Fall, Spring, Summer.

IB 499 Cr.1-3
Independent Study
Individual reading or research under the guidance of a staff member. Open to selected advanced students who have excellent records in the department. Repeatable for credit - maximum 6. Prerequisite: admission to business. Consent of instructor. Pass/Fail grading. Offered Fall, Spring, Summer.

IB 451 Cr.1-6
CBA Management Information Systems Internship
The internship program as conceived and implemented is an unusual program designed to provide an opportunity for students in the College of Business Administration to participate in an approved program with a cooperating business, governmental or civic organization for usually 15 weeks of their undergraduate work. All management information systems (MIS) internships must be approved and supervised by an I-S faculty member. For additional information, see internship description under the College of Business Administration heading. Repeatable for credit. Prerequisite: cumulative GPA of at least 2.50; ACC 221, ACC 222; BUS 205, BUS 230; ECO 110, ECO 120; FIN 355; IS 220; MGT 308; MKT 309; admission to business. Pass/Fail grading. Offered Fall, Spring, Summer.

HIMT/IS 490 Cr.3
Capstone Project
This course is the capstone course for both tracks of the Health Information Management and Technology degree program. Students are required to find an internship site that is related to health care and set up a semester long project from which they can gain hands-on experience in the areas of their concentration. Project set-up will be jointly done by the student, site sponsor, and the faculty of this course, whereas internship supervision will be performed by the project supervisor and the course instructor. Prerequisite: last semester of study in the HIMT program. (Cross-listed with IS/HIMT; may only earn credit in one department.) Prerequisite: last semester in health information systems minor program. Offered Occasionally.

IS 499 Cr.1-3
Independent Study
Individual reading or research under the guidance of a staff member. Open to selected advanced students who have excellent records in the department. Repeatable for credit - maximum 6. Prerequisite: admission to business. Consent of instructor. Pass/Fail grading. Offered Fall, Spring, Summer.
INS 300 Cr.3-16
Foreign Study
Resident study for an extended term at an approved university or
other institution of higher education outside the U.S. Foreign study
programs are available in virtually all major fields and in more than 50
countries around the world. Admission requirements, prerequisite, and
costs vary. Complete information is available from the UW-L Office of
International Education. Upon satisfactory completion of course work
abroad, appropriate credits are entered upon the student's permanent
record. Offered Fall, Winter, Spring, Summer.

INS 350 Cr.1-6
Independent Foreign Research
An individually designed, directed research project in a foreign country,
dealing with a significant research problem. Open to students in any
department, the course permits in-depth, independent research using
foreign sources, facilities, and resource persons. Requires a high degree
of motivation and the ability to work independently. Prerequisite: INS
250; junior standing; consent of the director of the Office of International
Education. Consent of instructor. Offered Occasionally.

INS 360 Cr.1-3
International Service Learning
Students will participate in service activities in another country as part
of a faculty led study program. The activities may range from painting
facilities to serving as conversational English partners. Students must
engage in fifteen hours of service activity, assigned readings, and write
3-5 formal pages or equivalent per credit. Repeatable for up to 6 credits.
Offered Fall, Spring.

INS 425/525 Cr.2-3
Interdisciplinary Seminar International Studies
An in-depth examination of selected topics in international studies. The
course is interdisciplinary and organized along thematic lines. Topics
vary. Repeatable for credit — maximum 6. Prerequisite: junior standing.
Offered Occasionally.

INS 450 Cr.1-6
International Internship
An academically relevant, professional field experience in a foreign
country. Students must be approved and advised by the Office of
International Education. Determination of relevancy shall be made by
the Office of International Education with the advice and consent of the
Director of International Studies curriculum. Students are responsible
for finding an appropriate faculty adviser to supervise and grade
the internship. Language proficiency must be demonstrated where
applicable. Students must be on their internship worksite during the
semester for which they are registered for academic credit. 1 credit/35
hours of experience. Repeatable for credit — maximum 6. Prerequisite:
junior standing; 2.75 cumulative GPA or consent of the Office of
International Education and INS program. Offered Occasionally.

INS 495 Cr.3
Directed Readings in International Studies
Supervised, directed readings on a topic in international studies which
is not accommodated by other courses in the university curriculum.
Students design individual plans of study in consultation with appropriate
faculty. Prerequisite: consent of instructor and of the director of
international studies courses. Consent of instructor. Offered Fall, Spring,
Summer.

Liberal Studies (LS)

Courses

LS 200 Cr.1
Career Exploration and Planning
This course is designed for students who are undecided or unclear of
the benefits of a specific major. Students will explore how their values,
interests, and abilities help define their major and career choices.
Students will explore particular careers and learn what skills, knowledge,
and aptitudes are necessary for success in those fields. Students will
also explore the skills, knowledge, and aptitudes developed within
particular majors. Students will learn about resources on campus
and in the community that will help in exploring careers and building
resumes. Emphasis will be placed on evaluating different major and
minor combinations to best fit ideal career goals. Prerequisite: open to
degree seeking second semester freshmen and sophomores. Offered
Spring, Summer.

LS 300 Cr.1
Career Preparation in Liberal Studies
This course is designed for juniors and seniors who will be graduating
within the year who will be on the job hunt or applying to graduate school.
The course is designed to help students learn about career options;
explore specific jobs; evaluate their skills, abilities, and values and how
this plays into the job search; prepare for internships/jobs including
resumes, cover letters, and interviewing; and learn where and how to
apply for jobs and/or graduate programs. Prerequisite: Junior or senior
standing Offered Fall, Summer.

Management (MGT)

Courses

MGT 100 Cr.3
Introduction to Business
Provides framework within which to develop an appreciation and
introductory understanding of the nature of business and the relationships
of the functions of business to the environment of the American economy
in which students shall assume a major role. May be counted as an
elective in the College of Business Administration. Offered Occasionally.

MGT 300 Cr.3
Business Communications
The study of the theory of communications is illustrated and reinforced
by many specific applications in writing sales letters, credit and collection
letters, business reports of various lengths and kinds, and messages to
employees, shareholders, and the public. The resume, job application
letter, and the interview are also studied. Oral presentations are an
integral part of the course. Prerequisite: admission to business; junior
standing. Offered Occasionally.

MGT 303 Cr.3
Principles of Labor-Management Relations
Instruction develops the necessary perspective and the theoretical and
legal structure necessary to an understanding of current public policy
and contemporary issues in labor-management relations. The course
study approach is used in studying current applications. Prerequisite:
admission to business or public administration major; junior standing.
Offered Occasionally.
MGT 308 Cr.3

Behavior and Theory in Organizations
This course provides an introduction to Organizational Behavior and Theory. Emphasis is on key individual and group level behavioral processes deemed essential for effective management. They include perception, motivation, communication, and group dynamics. In addition, the course covers some basic concepts of organizational theory such as organizational structure and design, organizational culture, and strategy and goals. Prerequisite: admission to business; junior standing. Offered Fall, Spring.

MGT 328 Cr.3

Principles of Management Thought
This course focuses on the principles and evolution of ‘management’ thinking from the advent of the industrial revolution to the present in an increasingly integrated and interconnected world. This course places management thought in a larger political, economic, social and temporal context. It focuses on how management thinking and its accompanying frameworks and practices must evolve and change if it is to make contemporary organizational life creative, effective, and sustainable. (This course should be taken in the first semester of admission to the business program and management major.) Prerequisite: admission to business; junior standing. Offered Fall, Spring.

MGT 360 Cr.3

Global Perspective on Business
This course focuses on managing in today’s increasingly interconnected world. Special attention is paid to creating and maintaining sustainable business practices across international boundaries, including building socially, economically and environmentally effective organizations in a culturally diverse world. Prerequisite: admission to business or international business minor with a non business major; junior standing. Offered Fall, Spring.

MGT 385 Cr.3

Human Resources: Employment
Examines principles and practices involved in recruiting, interviewing, selecting, hiring and developing employees. Separations, transfers, promotions, EEO considerations, privacy and affirmative action are considered. Prerequisite: admission to business or public administration major; junior standing. Offered Occasionally.

MGT 386 Cr.3

Compensation and Benefits Administration
A comprehensive treatment of issues involved in compensation and benefits administration. Issues involved are wage theory, job evaluation, job pricing, types of incentives. Mandated and voluntary benefits, ERISA, legal issues in compensation, cost, impact and future of compensation and benefits administration are also considered. Prerequisite: admission to business. Offered Occasionally.

MGT 393 Cr.3

Production and Operations Management
This introductory course provides business students with the processes of creating and disseminating value in both manufacturing and service operations. The course includes the theoretical foundations for production and operations management, as well as how decision-making techniques aid the manager in creating and delivering value. Global production and distribution strategies are integrated with management processes and projects. Topics include the operation system and processes, the lean and agile enterprise, six sigma, supply chain management and global logistics. Emerging information and manufacturing technologies within the global supply chain are reviewed. Prerequisite: MTH 145, MTH 175; admission to business; junior standing. Offered Fall, Spring, Summer.

MGT 395 Cr.3

Management Science I
Introduction to the quantitative models used in the private and public sectors. Topics include linear programming, transportation and assignment models, project planning, basic inventory models, decision theory, queuing models, and game theory. Prerequisite: MGT 393; admission to business or information systems major. Offered Occasionally.

MGT 398 Cr.3

Total Quality Management
A course designed to explore the nature of companywide quality management. This course critically analyzes the work of quality pioneers such as Deming, Juran, Crosby, Taguchi, etc. Focus is on the functional integration and implementation of quality management in manufacturing and services: management of process quality, quality function deployment, strategic quality planning, human resource and information system management to ensure quality, measures of quality performance, Japanese approach to quality, and internal and external customer focus for continuous improvement. Prerequisite: MTH 145; admission to business or radiation therapy major; junior standing. Offered Occasionally.

MGT 399 Cr.3

Project Management: Planning, Scheduling, Executing, and Controlling
This course emphasizes the use of special tools and techniques in management to accomplish the organizational mission through better control and use of existing resources. It explores ways to harness cross-functional synergy in an organization to successfully plan, schedule, execute and control projects. Prerequisite: MTH 145; admission to business; junior standing. Offered Occasionally.

MGT 400 Cr.1-3

Management Forum
Emphasis will be on examination and study of current management issues. Topics will vary from semester to semester. Same topic may not be repeated if a grade of ‘C or better’ in that topic was earned. Repeatable for credit - maximum 9. Prerequisite: admission to business. Offered Occasionally.

MGT 408 Cr.3

The Global Responsibility of Business
This course considers the turbulent environment in which organizations function and examines specific dimensions of this environment including the evolution of a framework of global human rights, the impacts of economic and social globalization, the convergence of global approaches to sustainability and the changing ideological and political frameworks affecting business. It will also examine matters of global corporate social responsibility and social entrepreneurship. Prerequisite: admission to business or chemistry major with business concentration, or physics major with business concentration; senior standing. Offered Fall, Spring.

MGT 412 Cr.3

Emergent Leadership and Team Development
This course focuses on key differences between management and leadership and the importance of leadership in the context of effective team building. The emphasis is on organizational change and the role that leadership plays in providing direction for this change. Collaborative and non-hierarchical strategies that facilitate team building will be discussed as an alternative to top-down behavior. The course will provide opportunities to think deeply and systematically about the development of leadership skills and the creativity, initiative and motivation critical to that development. Prerequisite: admission to business; senior standing. Offered Occasionally.
MGT 428 Cr.3
Management of Technology and Innovation
This course focuses on the management of technological innovation in organizations. It examines how the design of an organization’s structure, internal processes, reward systems and staffing, etc., can enhance the organization's capability for technological innovation. A combination of lectures, case analyses and independent readings will be used. Prerequisite: admission to business; senior standing. Offered Occasionally.

MGT 430 Cr.3
Comparative Management Systems
Comparative management is concerned primarily with studying the similarities and differences among nations in the context of management systems in different countries. The focus of the course is on the interaction between sociopolitical and cultural environments and management systems. This course seeks to encourage future managers in a global environment to think in a global context and be knowledgeable about the cultures, political economies and business practices of other countries. Prerequisite: admission to business or international business major or French/German/Spanish major with a business concentration; senior standing. Offered Occasionally.

MGT 431 Cr.3
Business, Labor and Human Rights
The course examines the impact of globalization, trade regulation and international conventions, agreements and law on human rights, specifically in the context of business and labor rights. Topics include the emergence of post-war human rights structures; the impact of the International Labor Office on Human Rights in the workplace; the establishment of economic, social, and cultural rights in the context of business; the growing conflicts between trade agreements and national policy and emerging partnerships between business organizations and international agencies. Managerial and trade union responses to emerging human rights issues are considered. Prerequisite: admission to business or international business minor with a non business major; senior standing. Offered Occasionally.

MGT 449 Cr.3
Administrative Policy Determination
An integrated case study approach to the variables in management policy determination at the business strategy level. The course will operationally apply the principles, concepts, and methods of the College of Business Administration core requirements to both actual and simulated case situations. May be taken only in the semester of graduation. Prerequisite: satisfactory completion of all of the core requirements (ECO 110, ECO 120; ACC 221, ACC 222; BUS 205, BUS 230; IS 220; FIN 355; MGT 308, MGT 393; MKT 309); admission to business; senior standing. Offered Fall, Spring, Summer.

MGT 450 Cr.1-6
College of Business Administration Internship
The internship program as conceived and implemented is an unusual program designed to provide an opportunity for students in the College of Business Administration at the University of Wisconsin-La Crosse to participate in an approved program with a cooperating business, governmental or civic organization for usually 15 weeks of their undergraduate work. Credit for international internships can be received for only internships classified as internationally related internships by Career Services. Students may apply up to three internship credits toward the Management major, either MGT 450 or MGT 452. For additional information, see internship description under the College of Business Administration heading. Repeatable for credit - maximum six. Prerequisite: ACC 221, ACC 222; BUS 205, BUS 230; ECO 110, ECO 120; FIN 355; IS 220; MGT 308; MKT 309; admission to business; senior standing. Pass/Fail grading. Offered Fall, Spring, Summer.

MGT 452 Cr.1-6
College of Business Administration International Internship
The internship program as conceived and implemented is an unusual program designed to provide an opportunity for students in the College of Business Administration at the University of Wisconsin-La Crosse to participate in an approved program with a cooperating business, governmental or civic organization for usually 15 weeks of their undergraduate work. Credit for international internships can be received for only internships classified as internationally related internships by Career Services. Students may apply up to three internship credits toward the Management major, either MGT 450 or MGT 452. For additional information, see internship description under the College of Business Administration heading. Repeatable for credit - maximum six. Prerequisite: ACC 221, ACC 222; BUS 205, BUS 230; ECO 110, ECO 120; FIN 355; IS 220; MGT 308; MKT 309; admission to business; senior standing. Pass/Fail grading. Offered Fall, Spring, Summer.

MGT 483 Cr.3
Corporate Training
The course examines principles and practices of employee training and Human Resource Development in business organizations. Students learn to analyze training needs and objectives at the organizational and job level. They also learn about various instructional methods used in business. Differences between formal training programs and on-the-job training will be considered. Methods for evaluating training programs will also be discussed. The relationship between corporate training and other organizational and human resource management goals will also be examined. Prerequisite: admission to business; senior standing. Offered Occasionally.

MGT 484 Cr.3
International Human Resource Management
The course examines human resource practices in countries other than the United States. These practices are compared and contrasted with common U.S. practices, and implications for multinational corporations are considered. Specific topics may include: staffing, recruiting, overseas transfers, performance appraisal, compensation, and equal employment opportunity issues. Prerequisite: admission to business or international business minor with a non business major; junior standing. Offered Occasionally.

MGT 485 Cr.3
Collective Bargaining

MGT 486 Cr.3
Human Resources: Current Issues and Policies
An in-depth investigation of selected current trends and issues of importance in personnel and industrial relations. An integrative, case-oriented approach to the study of problems and policy in personnel and industrial relations. Simulation exercises and case analysis are used in addition to lecture and student presentations. Prerequisite: admission to business; senior standing. Offered Occasionally.
MGT 487 Cr.3

Male/Female Relationships-Business Environment
An examination of current managerial issues with emphasis on the psychological and social barriers which inhibit the effective performance of individuals in an organization. The course examines the socialization of men and women as related to leadership in working organizations and cultural perceptions of work roles for men and women. The development of human resource strategies for the attainment of individual goals also is emphasized. Other topics such as mentoring in organizations, sexual harassment, benefits issues (e.g., those under the Family and Medical Leave Act), and comparable worth in pay also may be considered. Prerequisite: admission to business. Offered Occasionally.

MGT 494 Cr.3

Business Process Reengineering
This course shows how to rethink and redesign business processes in order to achieve dramatic improvements in critical measures of performance such as cost, quality, service, and speed. Prerequisite: MGT 393; admission to business. Offered Occasionally.

MGT 499 Cr.1-3

Independent Study
Individual reading or research under the guidance of a staff member. Open to selected advanced students who have excellent records in the department. Registration with the consent of the student’s regular adviser, the instructor and the department chairperson. Repeatable for credit — maximum 6. Prerequisite: admission to business. Consent of department. Pass/Fail grading. Offered Fall, Winter, Spring, Summer.

Marketing (MKT)

Courses
MKT 309 Cr.3

Principles of Marketing
An introduction to the study of marketing in business and other organizations. Topics include: the marketing environment, marketing strategies and decision-making, marketing ethics and the international dimension of marketing strategy. Prerequisite: ECO 110; business minor or a major with a business concentration and junior standing, or admission to business. Offered Fall, Winter, Spring, Summer.

MKT 341 Cr.3

International Marketing
An analysis of worldwide marketing opportunities through a consideration of political, legal, economic, and cultural factors in the international context. (Not open for credit to students who are enrolled in or have completed MKT 745). Prerequisite: MKT 309; admission to business or international business minor, or french/german/spanish major with a business concentration. Offered Fall, Spring.

MKT 351 Cr.3

Sustainability in Marketing
This course addresses ecological issues facing society and modern marketing professionals. Course discussion will include green marketing, environmental responsibility, consumer attitudes and consumption, and providing value to customers via sustainable marketing strategies. Prerequisite: MKT 309; admission to business. Offered Alternate Years.

MKT 362 Cr.3

Buyer Behavior
This course examines basic concepts related to understanding buyer behavior. Topics include information processing, perception, and decision making. Also examines individual and socio-cultural variables which influence buyer behavior. Prerequisite: MKT 309; admission to business. Offered Fall, Spring.

MKT 365 Cr.3

Promotions and Advertising Management
Introduces the various forms and tools of marketing promotion. Includes an analysis of promotional activities in the development of whole marketing plans. Develops student understanding of the role of promotion and the integrated nature of marketing planning. Details the nature and process of developing advertising campaigns as a part of the promotional mix. Examines advertising research, media planning, budgeting, creative activities, and ethical considerations. Prerequisite: MKT 309; admission to business or exercise sport science sport management. Offered Fall, Spring.

MKT 367 Cr.3

Market Research
This course examines the research techniques commonly used to examine buyer behavior, including secondary data, surveys, and focus groups. Topics also include an analysis of research design methods, and the application of research to marketing decision making. Prerequisite: MKT 309; BUS 230; admission to business. Offered Fall, Spring.

MKT 370 Cr.3

Professional Selling and Sales Management
Introduction to selling and sales management as a part of marketing activity and as a professional business process. Includes: identification of sales prospects; determination of client needs; after-sales customer support; legal and ethical obligations of sales professionals; development of oral and written communications for selling; analysis of organizational structure; sales forecasting methods for product, territory and personal sales goals; selection, training, and compensation of sales professionals. Prerequisite: MKT 309; admission to business or exercise sport science sport management. Offered Fall, Spring.

MKT 386 Cr.3

Industrial Marketing and Transportation
Business-to-business marketing issues are explored and the relationships among competitors, customers, and collaborators are investigated. Covers the roles of members of the value chain and channels of distribution. Strategic overview of the role of global transportation management, as well as tactical control issues for the entire logistics supply chain are covered. Prerequisite: MKT 309; admission to business. Offered Fall, Spring.

MKT 400 Cr.1-3

Marketing Forum
Emphasis will be on examination and study of current management and marketing issues. Topics will vary from semester to semester. Repeatable for credit — maximum 6. Prerequisite: admission to business. Consent of instructor. Offered Occasionally.

MKT 415 Cr.3

Senior Seminar
The planning, development, and implementation of an individual research project in marketing. Students will develop and produce a project report related to their marketing studies and career goals. Prerequisite: MKT 362, MKT 367; to be taken concurrently with MKT 479 in the student’s semester of graduation; admission to business. Offered Fall, Spring.
Courses

**MKT 440 Cr.3**  
**Comparative Marketing Systems**  
A comparative marketing analysis of a specific region or country. An examination of the marketing practices, social forces, politics, trade history, and economics of (a) specific international area(s). Special attention to the operations of U.S. based firms operating in the area(s). Course may provide opportunity for student travel to the region upon completion of the semester. Note: 1 — the area(s) of consideration may vary across semesters, and students should contact the marketing department for specifics; 2 — participation in the tour option requires enrollment in INS 226 for one credit. Prerequisite: MKT 309, MKT 341; admission to business or international business minor. Offered Occasionally.

**MKT 444 Cr.3**  
**Sports and Recreation Marketing**  
A comprehensive study of the planning, organization and implementation of marketing plans for all segments of the sports and recreation industry. Topics covered include: assessing market potential, defining the customer, location analysis, pricing, promotion, facilities and services management. Other issues addressed include the impact of new technology, cultural changes and other uncontrollable factors on sports marketing. Prerequisite: MKT 309; admission to business or exercise sport science - sport management. Offered Fall.

**MKT 445 Cr.3**  
**International Marketing Strategies**  
A study of policy and strategy formulation in the context of international marketing. Emphasis is placed on both the theory and application of international marketing decision processes. Prerequisite: MKT 309, MKT 341; admission to business or international business minor plan. Offered Occasionally.

**MKT 450 Cr.1-6**  
**College of Business Administration Internship**  
The internship program as conceived and implemented is an unusual program designed to provide an opportunity for students in the College of Business Administration at the University of Wisconsin-La Crosse to participate in an approved program with a cooperating business, governmental, or civic organization for usually 15 weeks of their undergraduate work. For additional information, see internship description under the College of Business Administration heading. Repeatable for credit. Prerequisite: ACC 221, ACC 222; BUS 205, BUS 230; ECO 110, ECO 120; FIN 355; IS 220; MGT 308; MKT 309; admission to business. Pass/Fail grading. Offered Fall, Winter, Spring, Summer.

**MKT 479 Cr.3**  
**Marketing Management**  
The analysis, planning, implementation and control of marketing programs designed to bring about desired exchanges with target markets within organizational objectives. Prerequisite: MKT 362, MKT 367; to be taken concurrently with MKT 415 in the student’s semester of graduation; admission to business. Offered Fall, Spring.

**MKT 499 Cr.1-3**  
**Independent Study**  
Individual reading or research under the guidance of a staff member. Open to selected advanced students who have excellent records in the department. Registration with the consent of the student’s regular adviser, the instructor and the department chairperson. Repeatable for credit - maximum 6. Prerequisite: admission to business. Consent of department. Pass/Fail grading. Offered Fall, Spring, Summer.

**Mathematics (MTH)**

+ next to a course number indicates a general education course
College Algebra
A college algebra course on the properties, graphs, and applications of elementary functions. Topics include the real and complex numbers, concepts from analytic geometry, solutions to equations and inequalities, the elementary algebraic functions, and the logarithmic and exponential functions. Prerequisite: MTH 051 or two years of high school algebra and an appropriate placement test score. (Successful completion of MTH 151, MTH 175 or MTH 207 precludes taking MTH 150 for credit.) Offered Fall, Spring, Summer.

Precalculus
A precalculus course on properties, graphs, and applications of elementary transcendental functions. Topics include concepts from analytic geometry; theory of equations; the logarithmic, exponential, trigonometric, and inverse trigonometric functions; and analytic trigonometry. Prerequisite: grade of "C" or better in MTH 150 or two years of high school algebra and appropriate placement test score. (Successful completion of MTH 151 precludes taking MTH 150. Successful completion of MTH 207 precludes taking MTH 151.) Offered Fall, Spring, Summer.

Geometry for Elementary and Middle School Teachers
This course explores the fundamental ideas of measurement and geometry concepts in K-8 mathematics. Content includes the investigation of measurement concepts; the analysis and classification of two- and three-dimensional geometric figures; and the exploration and application of geometric transformations, tessellations, symmetry, congruence, and similarity. Aligned with national and state standards, this course will emphasize intuitive direct and indirect proof and reasoning, the investigation and discovery of geometric structures, and the use of manipulative materials and technology. Prerequisite: grade of "C" or better in MTH 135 and MTH 136. Offered Fall.

Applied Calculus
Basic concepts and methods from differential, integral, and multivariate calculus. Logarithmic and exponential functions are included, but not trigonometric functions. Emphasis of the course is on models and applications in business and the social, life, and physical sciences. Prerequisite: grade of "C" or better in MTH 150 or two years of high school algebra and appropriate placement test score. (Successful completion of MTH 175 precludes taking MTH 150. Successful completion of MTH 207 precludes taking MTH 175.) Offered Fall, Spring, Summer.

Calculus I
A rigorous introduction to calculus. Topics include limits, rules for differentiation, derivatives of trigonometric, logarithmic and exponential functions, the Mean Value Theorem, integration, and the Fundamental Theorem of Calculus. In the area of applications, the course covers problems on related rates, extrema, areas, volumes, and Newton’s Second Law. Prerequisite: grade of "C" or better in MTH 151 or four years of high school mathematics, including trigonometry, and appropriate placement score. (Successful completion of MTH 207 precludes taking MTH 150, MTH 151, or MTH 175 for credit.) Offered Fall, Spring, Summer.

Calculus II
A continuation of Calculus I with a rigorous introduction to sequences and series. Topics include techniques of integration and indeterminate forms, improper integrals, applications of integrals to the physical sciences, tests for the convergence of series, absolute convergence, power series, and Taylor’s Theorem with Remainder. First order linear differential equations are explored, as well as the geometry of space. Prerequisite: grade of "C" or better in MTH 207. Offered Fall, Spring.

Logic and Discrete Mathematics
An introduction to mathematical reasoning. Mathematical logic, including quantification and the predicate calculus is introduced and used to discuss set theory, relations, functions, counting, graphs, and algorithms. Elementary proofs, including proofs by induction are stressed. Prerequisite: grade of "C" or better in MTH 175 or MTH 207. Course not open to those who have credit in CS 225. Offered Fall, Spring.

Probability and Statistics
An initial course in probability and statistics for students strong in mathematics. Probability topics include sample spaces, random variables, independence, and the binomial, Poisson, normal, and exponential distributions and their applications. Calculus-based methods will be used for analyzing continuous distributions. Statistics topics include descriptive statistics, sampling distributions, confidence intervals, hypothesis testing, regression, and ANOVA. Prerequisite: grade of "C" or better in MTH 208 or concurrent enrollment. Offered Fall, Spring.

Mathematical Models in Biology
An introduction to the use of calculus and stochastic based models to the biological sciences. Mathematical tools such as discrete and continuous differential equations, linear algebra, phase portraits, probability theory and descriptive and inferential statistics that are necessary to analyze and interpret biological models will be covered. Biological topics may include single species and interacting population dynamics, modeling infectious diseases, enzyme kinetics, and quantitative genetics. Prerequisite: grade of "C" or better in MTH 175 or MTH 207. Offered Spring.

Algebraic Reasoning and Problem Solving
A study of the mathematical processes and techniques that are used to solve a variety of routine and non-routine problems encountered in school mathematics. Emphasis is on communicating logical arguments, applying a variety of problem solving strategies, and developing mathematical models. Topics include investigations in number and algebraic relationships appropriate to the elementary and middle school classroom. Prerequisite: grade of "C" or better in MTH 135 and MTH 136. Offered Spring.

Linear Algebra with Differential Equations
A systematic study of linear algebra, and its interactions with differential equations. Topics include: vectors, matrices, systems of linear equations, determinants, vector spaces, subspaces, basis and dimension, linear transformations and their matrix representations, similar matrices and diagonalization, systems of first order linear differential equations, and higher order linear differential equations. Prerequisite: grade of "C" or better in MTH 208. Offered Fall, Spring.
MTH 310 Cr.4

**Calculus III: Multivariate Calculus**
A course in higher dimensional calculus, partial derivatives, and multiple integrals. Topics include parametric curves, polar (and other) coordinate systems, vector fields, scalar fields, the gradient vector, chain rule, Jacobian, Green’s Theorem, Stokes’ Theorem, and the Divergence Theorem. Prerequisite: grade of “C” or better in MTH 208. Offered Fall, Spring.

MTH 311 Cr.3

**Number Theory**
Topics are selected from such areas as: divisibility and factorization, congruence, distribution of prime numbers, and Diophantine equations. Problem-solving strategies and unsolved problems are stressed. Applications are developed in areas such as primality testing and public key cryptography. Prerequisite: grade of “C” or better in MTH 225 or CS 225; grade of “C” or better in MTH 309 or concurrent enrollment. Offered Fall - Even Numbered Years.

MTH 317 Cr.3

**Graph Theory**
An introduction to graph theory-emphasizing algorithms. Topics include graphs and sub graphs, isomorphism, degree sequences, digraphs, networks, algorithm complexity and NP-completeness, trees, Euler circuits and Hamilton cycles, planarity and graph coloring. Prerequisite: CS 120; grade of “C” or better in MTH 225 or CS 225; grade of “C” or better in MTH 309. Offered Fall - Odd Numbered Years.

MTH 320 Cr.3

**History of Mathematics**
A study of the evolution of mathematics. Discussion and evaluation of major periods of development including the lives and works of preeminent mathematicians. A sampling of problem solving methods from various historical periods. Emphasis is on Western mathematics from earliest recorded history through the initial developments of calculus and modern mathematics. Prerequisite: grade of “C” or better in MTH 309 or concurrent enrollment. Offered Spring - Odd Numbered Years.

MTH 321 Cr.3

**Teaching Mathematics with Technology**
This course covers traditional, emerging, and interactive technologies used in the teaching and learning of mathematics. Teacher education candidates will gain an understanding of the use and application of instructional technology. They will explore how software, hardware, and instructional media can be used to enhance mathematics instruction in grades 6-12. Topics include instructional technology for visualizing and exploring mathematics, enhancing and delivering lessons, as well as interactive communication tools. Prerequisite: grade of “C” or better in either MTH 175 or MTH 207; CT 100 or CS 120; admission to teacher education program or consent of instructor. Offered Fall.

MTH 331 Cr.3

**Introduction to Modern Geometry**
A thorough discussion of transformations and their use in proving congruence of geometric figures; selected theorems concerning the triangle and circle, and constructions possible given different parts of a triangle. Prerequisite: grade of “C” or better in MTH 225 or CS 225; grade of “C” or better in MTH 309 or concurrent enrollment. Offered Spring.

MTH 353 Cr.3

**Differential Equations**
Fundamental existence and uniqueness theory, linear independence and the Wronskian, series solutions near regular singular points, Laplace transforms and systems of first order linear equations. Fourier Series and the method of separations of variables will be applied to the heat equation, wave equation and Laplace’s equation. Prerequisite: grade of “C” or better in MTH 309 and MTH 310. Offered Fall, Spring.

MTH 371 Cr.3

**Introduction to Numerical Methods**
Techniques devised for use with computing machinery are applied to problems such as: solving non-linear equations and linear systems, curve-fitting and function approximation, numerical integration. Prerequisite: CS 120; grade of “C” or better in MTH 309. Offered Spring.

MTH 395 Cr.1-3

**Special Topics in Mathematics**
Special topics in mathematics not covered by regular courses taught in this department. The particular topic is decided mutually by the student and instructor. Repeatable for credit - maximum 6. Consent of department. Offered Occasionally.

MTH 405/505 Cr.3

**Statistical Methods**
A survey of statistical methods from the point of view of how these methods are implemented with a standard statistics software package. Topics include descriptive statistics, graphical methods, tests of location, goodness of fit, simple and multiple regression, design of experiments, ANOVA, multiple comparisons, chi-square tests. Both parametric and nonparametric methods are treated. Computer use is an integral part of the course. Prerequisite: grade of “C” or better in MTH 145 or MTH 245; junior standing. Offered Fall.

MTH 407 Cr.3

**Real Analysis I**
This course covers the basic theory underlying the differential and integral calculus. Convergence of sequences is examined. Theoretical concepts of calculus are examined and particular attention is given to writing proofs. Prerequisite: grade of “C” or better in MTH 225 or CS 225; grade of “C” or better in MTH 309 and MTH 310. Offered Fall.

MTH 408 Cr.3

**Real Analysis II**
This course covers convergence of series and basic theory of power series. Further study of real analysis via selected topics such as the theory of convergence, Lebesque-Stieltjes integration, Fourier Analysis, probability theory, approximation theory and metric spaces. Prerequisite: grade of “C” or better in MTH 407. Offered Spring - Odd Numbered Years.

MTH 410 Cr.3

**Complex Analysis**
Introduction to complex numbers and complex functions. Analytical functions are developed via power series and Cauchy’s Theorem. Topics include Cauchy-Riemann conditions, integration theorems, residues, conformal mapping and applications. Prerequisite: grade of “C” or better in MTH 309 and MTH 310. Offered Spring - Even Numbered Years.

MTH 411 Cr.3

**Abstract Algebra I**
A rigorous approach to algebraic systems including the study of groups, rings, integral domains and fields with application to polynomials. Prerequisite: grade of “C” or better in MTH 225 or CS 225; grade of “C” or better in MTH 309. Offered Fall.

MTH 412 Cr.3

**Abstract Algebra II**
Continuation of MTH 411. Further study of rings, integral domains and fields. Prerequisite: grade of “C” or better in MTH 411. Offered Spring - Even Numbered Years.
MTH 413 Cr.3

Topics in Linear Algebra
A thorough study of selected topics such as abstract vector spaces, linear transformations and their matrix representations, inner product spaces, canonical forms; selected applications. Prerequisite: grade of "C" or better in MTH 225 or CS 225; grade of "C" or better in MTH 309. Offered Spring - Odd Numbered Years.

MTH 421 Cr.4

Teaching and Learning Mathematics and Computer Science in the Secondary School
This course will be integrated with a field experience. In the context of a real classroom, teacher candidates will learn how to plan for and assess student learning in mathematics and computer science. With a focus on content knowledge, teacher candidates will plan a variety of meaningful learning experiences, assess student learning, and monitor and modify instruction to best support the individual learners in the classroom. The teacher candidate will design, enact, and assess activities that advance student understanding to more complex levels. Teacher candidates will gain experience in monitoring the obstacles and barriers that some students or groups of students face in school and learn how to design learning experiences to support all learners. Prerequisite: EDS 351; grade of "C" or better in MTH 321. Offered Fall, Spring.

MTH 440 Cr.1

Statistical Consulting
Experiences will include interpersonal written and oral communication and interdisciplinary exposure as well as opportunities to apply statistical knowledge in a broad variety of situations. Students will take part in consultations (i.e. extracting information, listening, asking appropriate questions), apply knowledge in experimental design, data modeling, use of statistical software, and/or sampling; diagnose and conduct appropriate statistical procedures and interpret and communicate results. Reading past and present literature on statistical consulting also will be required. Repeatable for credit maximum - 3. Prerequisites: grade of "C" or better in MTH 245 or MTH 405; consent of the Statistical Consulting Center director. Consent of instructor. Offered Fall, Spring.

MTH 441 Cr.3

Mathematical Statistics I
Review of discrete and continuous random variables. Moment generating functions, multivariate probability distributions, marginal and conditional probability distributions, functions of random variables, order statistics, Central Limit Theorem, point estimation and confidence intervals. Prerequisite: grade of "C" or better in MTH 245 and MTH 310. Offered Fall.

MTH 442 Cr.3

Mathematical Statistics II
Methods of estimating, including method of moments and maximum likelihood. Sufficient statistics, hypothesis testing, power of tests, likelihood ratio tests and introduction to regression and analysis of variance. Prerequisite: grade of "C" or better in MTH 245 and MTH 309. Offered Fall.

MTH 443/543 Cr.3

Categorical Data Analysis
An introduction to categorical data analysis covering summaries and inference for categorical response and count data, analysis of contingency tables, generalized linear models for binary and count data, logistic regression, multiclass logit models and loglinear models for contingency tables with an emphasis on applications and implementation using computer software. Prerequisites: grade of "C" or better in MTH 245 or MTH 405. Offered Fall - Even Numbered Years.

MTH 445/545 Cr.3

Correlation and Regression Analysis
An introduction to simple linear regression, multiple regression, polynomial regression. Inferences, appropriateness of model, model diagnostics/adequacy, difficulties in the application of models are discussed. A computer package will be used. Course participants will be involved with hands-on statistical applications and consulting. Prerequisite: grade of "C" or better in MTH 245 or MTH 405; junior standing. Offered Fall.

MTH 446/546 Cr.3

Analysis of Variance and Design of Experiments
An introduction to single factor, multiple factor, and randomized block designs in analysis of variance. Inferences, appropriateness of model, model diagnostics/adequacy, difficulties in the application of models are discussed. Design or structure of an experiment will be discussed. A computer package will be used. Course participants will be involved with hands-on statistical applications and consulting. Prerequisite: grade of "C" or better in MTH 245 or MTH 405; junior standing. Offered Spring.

MTH 447/547 Cr.3

Nonparametric Statistics
An introductory course presenting the theory and procedures for using distribution-free methods in data analysis. Standard procedures, such as the Wilcoxon tests, Kruskal-Wallis, Kolmogorov-Smirnov, nonparametric confidence intervals, regression analysis, and powers of the tests will be included. Computer programs will be used when appropriate. Prerequisite: grade of "C" or better in MTH 245 or MTH 405; junior standing. Offered Spring - Even Numbered Years.

MTH 448 Cr.3

Operations Research
An introductory course which applies mathematics/statistics to management decision making. Included are methods of optimizing systems, inventory and production control, scheduling, game theory bidding, queuing, quality control, reliability and time series. Various programming, analysis and Monte Carlo techniques are introduced with the computer used as a tool where appropriate. Prerequisites: grade of "C" or better in MTH 245 or MTH 405. Offered Spring - Odd Numbered Years.

MTH 449/549 Cr.3

Applied Multivariate Statistics
An introduction to applied multivariate statistical methods covering multivariate analysis of variance, multivariate analysis of covariance, repeated measures design, factor analysis, principle component analysis, cluster analysis, discriminate analysis, and multivariate regression. Course participants will be involved with hands-on statistical applications. Prerequisite: grade of "C" or better in MTH 245 or MTH 405; junior standing. Offered Fall - Odd Numbered Years.

MTH/PHY 461 Cr.3

Mathematical Physics
In depth study of topics from vector analysis, Fourier analysis and special functions with emphasis on modeling physical phenomena involving conservative fields, fluid flow, heat conduction, and wave motion. MTH 461 may be counted towards both a MTH and PHY major. Prerequisite: grade of "C" or better in MTH 353. (Cross-listed with MTH/PHY; may only earn credit in one department.) Offered Spring - Odd Numbered Years.

MTH 480 Cr.3

Studies in Applied Mathematics
Advanced studies of applications of mathematics and computation to solve problems and understand processes from a variety of fields (for example, industry, medicine and the physical and life sciences.) Requirements include an application/modeling project with a written report and class presentation. Prerequisite: grade of "C" or better in MTH 353. Offered Spring - Even Numbered Years.
MTH 495/595 Cr.1-3
Special Topics in Mathematics
Special topics in mathematics not covered by regular courses taught in this department, such as topology, set theory and advanced numerical analysis. The particular topic is decided by the instructor. Repeatable for credit - maximum 6. Prerequisite: junior standing. Consent of department. Offered Occasionally.

MTH 496/596 Cr.1-3
Special Topics in Statistics
Special topics in statistics not covered by regular courses taught in this department. The particular topic is decided by the instructor. Repeatable for credit - maximum 6. Consent of department. Offered Occasionally.

MTH 498 Cr.1-3
Independent Study
Directed readings or presentation of material not available in formal departmental courses under the supervision of a faculty member. Prerequisite: written consent of the supervising faculty member and the department chair. Repeatable for credit - maximum 6. Consent of department. Offered Occasionally.

MTH 499 Cr.1-3
Research Topics
An opportunity to pursue individual research topics under the direction of a faculty member. Depending on the nature of the research project, study is expected to involve substantial computational or theoretical work in addition to literature review and instruction. In addition to a written report to the supervising faculty member, expected outcomes may include: software, papers and presentations to the department and regional meetings. Prerequisite: written consent of the supervising faculty member and the department chair. Not applicable to a mathematics major or minor. Repeatable for credit - maximum 6. Consent of department. Offered Occasionally.

Medical Dosimetry (DOS)

Courses
DOS 411/511 Cr.1
Adv Radiologic Imaging for Medical Dosimetrists
This course reviews production of medical images with radiographic equipment as well as ultrasound, MRI and radionuclide scans. Web-based course. Prerequisite: acceptance into the Medical Dosimetry Program. Offered Fall.

DOS 412/512 Cr.1
Simulation for Medical Dosimetrists
Techniques of simulation of treatment set-ups are reviewed and advanced methods of virtual simulation are explored. Web-based course. Prerequisite: acceptance into the Medical Dosimetry Program. Offered Fall.

DOS 413/513 Cr.1
Anatomy for Medical Dosimetrists
Anatomical structure and function which affects treatment planning processes is addressed along with identification of anatomic structures on radiographs, CT and MRI images. Web-based course. Prerequisite: acceptance into the Medical Dosimetry Program. Offered Fall.

DOS 414/514 Cr.3
Physics Fundamentals for Medical Dosimetrists
Fundamental principles of physics important to the production and use of radiation for treatment purposes are reviewed and expanded. Dose measurement utilizing a variety of methods is discussed along with the appropriate instrumentation. Calibration methods for linear accelerators are also discussed. Prerequisite: acceptance into the Medical Dosimetry Program. Offered Fall.

DOS 415/515 Cr.1
Computers & Networking in Radiation Oncology
This course introduces students to basic computer terminology, features of hardware, peripherals, and clinical applications in radiation oncology. Types of networking and the components involved are discussed. Specific network protocols used in healthcare, imaging, and radiation oncology will be described. Prerequisite: acceptance into the Medical Dosimetry Program. Offered Fall.

DOS 416/516 Cr.1
Fundamentals of Radiation Safety
Radiation safety measures are reviewed and updated according to federal and state mandates. Web-based course. Prerequisite: acceptance into the Medical Dosimetry Program. Offered Fall.

DOS 418/518 Cr.1
Professionalism and Mentoring in Medical Dosimetry
This course introduces the student to professional practices of medical dosimetry including standards, scope of practice, ethics and legal perspectives. Students will also discuss the importance of education and mentoring in medical dosimetry. Different aspects of education in the profession will be examined to prepare the student for various roles as a medical dosimetry mentor. Prerequisite: acceptance into the Medical Dosimetry Program. Offered Fall, Spring, Summer.

DOS 422/522 Cr.2
Radiation Dose Calculations
This course introduces factors that affect dose delivered in radiation treatments and how these factors are accounted for in dose calculations. Web-based course. Prerequisite: DOS 411; acceptance into the Medical Dosimetry Program. Offered Spring.

DOS 423/523 Cr.3
Treatment Planning in Medical Dosimetry
Methods of treatment planning techniques for various diseases using single and multiple field arrangements using photons and electrons are discussed. Advanced treatment planning techniques of conformal radiation therapy including 3D treatment planning, IMRT, IGRT, Gating, Protons, and Stereotactic are also discussed. Prerequisite: DOS 411; acceptance into the Medical Dosimetry Program. Offered Spring.

DOS 425/525 Cr.2
Brachytherapy for Medical Dosimetrists
The use of Brachytherapy in radiation therapy is addressed. Characteristics of sources utilized for treatment as well as determination of source activity and dose delivered are included. Methods and instruments utilized to apply Brachytherapy treatment planning techniques to clinical treatment situations are discussed. Web-based course. Prerequisite: acceptance into Medical Dosimetry Program. Offered Summer.

DOS 431/531 Cr.3
Clinical Oncology for Medical Dosimetrists
This course covers cancer in general as well as specific disease sites, their treatment and management of patient care during treatment. Web-based course. Prerequisite: DOS 471; acceptance into the Medical Dosimetry Program. Offered Summer.

DOS 441/541 Cr.1
Radiobiology for Medical Dosimetrists
This course reviews the effect of radiation on the human body in the context of radiation treatments. It particularly focuses on factors affecting the therapeutic ratio. Web-based course. Prerequisite: DOS 472; acceptance into the Medical Dosimetry Program. Offered Fall.
DOS 442/542 Cr.1  
**Dosimetric Quality Assurance**  
The methods and importance of periodic quality assurance procedures of treatment planning equipment and processes are covered in this course. Web-based course. Prerequisite: DOS 472; acceptance into the Medical Dosimetry Program. Offered Fall.

DOS 443/543 Cr.1  
**Seminar in Medical Dosimetry**  
This course offers students an opportunity to practice answering questions and solving problems as they review course material to prepare for the national medical dosimetry certification board exam. Prerequisite: acceptance into the Medical Dosimetry Certificate Program. Web-based course. Prerequisite: DOS 431; acceptance into the Medical Dosimetry Program. Offered Fall.

DOS 471 Cr.5  
**Dosimetry Clinical Practicum I**  
Students gain clinical experience in simulation patient set-ups and imaging studies, physics and radiation safety in the clinical environment, anatomical contour segmentation, and computers and networking within the radiation oncology field. Students will begin basic calculations and treatment planning while being introduced to brachytherapy procedures. Web-based course. Prerequisite: DOS 411; acceptance into the Medical Dosimetry Program. Offered Spring.

DOS 472 Cr.5  
**Dosimetry Clinical Practicum II**  
Students continue to gain clinical experience at an affiliated clinical internship site by concentrating on more advanced treatment planning and Brachytherapy procedures while learning the various concepts of clinical oncology specific to patient treatments. Prerequisite: DOS 471. Offered Summer.

DOS 473 Cr.5  
**Dosimetry Clinical Practicum III**  
Students continue to improve their treatment planning and dosimetric skills, concentrating on advanced planning methods and quality assurance techniques. Prerequisite: DOS 472; acceptance into the Medical Dosimetry Program. Offered Fall.

**Microbiology (MIC)**  
+ next to a course number indicates a general education course

**Courses**

+MIC 100 Cr.4  
**Microbes and Society**  
Microbiology plays an integral role in human affairs and our daily lives. Some microorganisms have caused tremendous suffering throughout history, however many microbes have also provided countless benefits to humans and play vital roles in essential global cycles. This course examines the science of microbiology and the impact of microbiology on human affairs. The principles of microbial diversity, cell structure, growth and reproduction, global processes, disease, and prevention of disease are covered. Each topic provides a basis for discussion of current issues where microorganisms play a role. The laboratory provides an inquiry based approach to examining the diversity of microorganisms and their role in disease, spoilage, genetic engineering, food and antibiotic production, agriculture, and the environment. Offered Fall, Spring.

MIC 102 Cr.1  
**Global Bioterrorism**  
An overview of current potential biological warfare agents. Topic areas will include an historical overview, an explanation of differences in the classes of biological warfare agents, our preparedness to meet this threat, and counter measures to prevent a biological warfare catastrophe. Offered Occasionally.

MIC 120 Cr.1  
**Introduction to the Microbial Sciences**  
This course introduces students to the nature and scope of biological sciences that involve microorganisms. The importance, applications, and career opportunities in diverse areas of microbiology such as medical, molecular, food and industrial, ecological, and environmental microbiology will be covered. Current topics of microbiology and their impact on society will be examined. The course introduces students to the various options in the microbiology major, and how microbiology relates to other majors. Offered Occasionally.

+MIC 130 Cr.3  
**Global Impact of Infectious Disease**  
A multifaceted examination of issues related to infectious disease throughout the world. The course will begin with historical examples of how infectious disease has impacted society, from plagues of centuries past to recent emerging diseases. After defining the types of pathogens and methods for their control, the interplay between infectious disease and global economics, health and politics will be evaluated. Additionally, the impact of public perceptions and misconceptions on the spread of infectious disease will be analyzed. Finally, the role of current human activities in shaping disease patterns of the future will be explored. Offered Fall, Spring, Summer.

MIC 230 Cr.4  
**Fundamentals of Microbiology**  
An introduction to the fundamental principles and applications of microbiology with an emphasis on the role of microorganisms, especially bacteria, in human affairs. Lecture topics include microbial diversity, cell structure and function, growth and metabolism, genetics, genetic engineering, control of microbial growth, host-parasite interactions, immunology, microbial ecology and applied microbiology. Laboratory emphasis is on methods used to cultivate and identify bacteria, genetic techniques, and on standard techniques used in applications of microbiology (clinical, food, industrial, and aquatic). Lect. 2, Lab. 4. Prerequisite: BIO 103 or BIO 105; CHM 103. Offered Fall, Summer.

MIC 260 Cr.1-3  
**Topics in Microbiology**  
Varying topics in microbiology with a specific title assigned to each. Offered by resident faculty or visiting lecturers. Repeatable for credit—maximum 6. Prerequisite: MIC 230. Offered Occasionally.

MIC 299 Cr.1-2  
**Introduction to Microbiology Research**  
An opportunity to participate in laboratory or field research experience under the direction of a faculty member. Depending on the nature of the research project, study will involve participation in laboratory or theoretical work in addition to selected readings and instruction. A written report to the supervising faculty member is an expected outcome. Admission by instructor’s consent and department approval. Completion of safety training required prior to beginning research. Repeatable for credit—maximum 4. Consent of instructor. Offered Fall, Winter, Spring, Summer.

+MIC 300 Cr.3-6  
**Research in Microbiology**  
An opportunity to participate in laboratory or field research experience under the direction of a faculty member. Depending on the nature of the research project, study will involve participation in laboratory or theoretical work in addition to selected readings and instruction. A written report to the supervising faculty member is an expected outcome. Admission by instructor’s consent and department approval. Completion of safety training required prior to beginning research. Repeatable for credit—maximum 12. Consent of instructor. Offered Fall, Winter, Spring, Summer.
MIC 310 Cr.3

Immunology
Fundamentals of immune system structure and function. Includes response to infectious agents, as well as vaccination, allergy, autoimmune disease, cancer, organ transplantation, immune deficiency and related public health issues. Prerequisite: MIC 100 or BIO 103 or BIO 105 with a grade of "C" or better; one 200 level or higher biology or microbiology course. Offered Fall, Spring.

MIC 350 Cr.3

Bacterial Diversity
A course is a survey of the bacteria. Lectures will cover bacterial classification and the structure, physiology, ecology, and applications of various groups of bacteria. Special emphasis will be on the more unique species and those of industrial, ecological and environmental importance. The laboratory will involve enrichment and isolation procedures for selective groups of bacteria. Lect. 2, Lab. 3. Prerequisite: MIC 230. Offered Spring, Fall-Odd # Years.

MIC 380 Cr.4

Food Microbiology
A study of environmental factors affecting the growth, activity, and destruction of micro-organisms in food; principles of food spoilage; preservation of foods, including basic methods and their application to foods; food-borne intoxications and infections; indicator organisms; sanitation and microbiological standards in foods. Laboratory instruction includes quality control methods, sampling methods, techniques to identify important microorganisms in foods, and data interpretation and analysis. Lect. 2, Lab. 4. Prerequisite: MIC 230. Offered Spring.

MIC 407/507 Cr.4

Pathogenic Bacteriology
The study of pathogenic bacteria and their relationships to disease, principles of infection and pathogenesis, and unique properties of pathogens. Laboratory emphasis is on techniques for isolation and identification of pathogenic bacteria. Not applicable to biology major; may be applied to the microbiology, clinical laboratory science major and/or degree as well as an elective for the biology biomedical concentration. Lect. 2, Lab 4. Prerequisite: MIC 230; junior standing. Offered Fall, Spring.

MIC 410/510 Cr.2

Immunology Laboratory
Designed as an introduction to immunology techniques used in clinical and research laboratories. Includes antibody-based diagnostic tests such as ELISA and Western blot. Cell-based techniques include lymphocyte culture and flow cytometry. Lab. 4. Prerequisite: MIC 310 or concurrent enrollment. Offered Fall, Spring.

MIC 416/516 Cr.5

Microbial Genetics
An in-depth study of the bacterial and bacteriophage genome with emphasis on the central dogma. Specific topics include DNA replication, transcription and translation, DNA mutation and repair, regulation of gene expression, mechanisms of genetic exchange, plasmid structure and function, transposition, gene mapping and recombinant DNA technology. Laboratory emphasis is on the techniques used in bacterial mutagenesis, genetic exchange, gene mapping, and gene cloning. Lect. 2, Lab. 6. Prerequisite: MIC 230; CHM 300 or CHM 303; junior standing. Offered Fall.

MIC 420/520 Cr.5

Industrial and Fermentation Microbiology
An in-depth study of bacterial structure and function, catabolic and anabolic pathways, regulation, and macromolecular synthesis. Laboratory emphasis is on current techniques used to examine bacterial structure and metabolism such as macromolecular separations and quantification, use of radioisotopic tracers and quantification of enzyme activity. Lect. 2, Lab. 6. Prerequisite: MIC 230; MTH 145 or higher; CHM 300 or CHM 303; junior standing. Offered Spring.

MIC 421/521 Cr.2

Virology Laboratory
A laboratory course designed to introduce fundamental techniques used to study viruses in medicine, biotechnology and research. Emphasis is on procedures used to safely handle viruses, grow them in tissue culture, and the molecular biological, biochemical and immunological techniques used to detect and analyze viruses. Lab. 4. Prerequisite: MIC 230; MIC 416 or BIO 306 or BIO 435; three semesters of college chemistry to include organic chemistry; junior standing. Offered Fall.

MIC 425/525 Cr.5

Bacterial Physiology
An in-depth study of bacterial structure and function, catabolic and anabolic pathways, regulation, and macromolecular synthesis. Laboratory emphasis is on current techniques used to examine bacterial structure and metabolism such as macromolecular separations and quantification, use of radioisotopic tracers and quantification of enzyme activity. Lect. 2, Lab. 6. Prerequisite: MIC 230; MTH 145 or higher; CHM 300 or CHM 303; junior standing. Offered Spring.

MIC 427/527 Cr.3

Virology Laboratory
Principles of virology and virology with an emphasis on the study of virus replication, virus-host interactions, and virus evolution. Laboratory emphasis is on current techniques used to examine viral structure and metabolism such as macromolecular separations and quantification, use of radioisotopic tracers and quantification of enzyme activity. Lect. 2, Lab. 6. Prerequisite: MIC 230; MTH 145 or higher; CHM 300 or CHM 303; junior standing. Offered Spring.

MIC 428/528 Cr.2

Fermentation Microbiology Laboratory
Principles of fermentation science and biotechnology with an emphasis on the use of various fermentation systems that generate useful products including fermented food and beverages, pharmaceuticals, chemicals and other gene products. Lab. 4. Prerequisite: MIC 230, CHM 104; junior standing. Offered Fall - Odd Numbered Years.

MIC 434/534 Cr.3

Aquatic Microbial Ecology
An ecological study of bacteria, cyanobacteria and algae of aquatic ecosystems. Topics include microbial strategies for survival under various environmental conditions, the role of micro-organisms in biochemical cycling of elements, interactions of microorganisms with other aquatic biota, the role of microorganisms in pollution problems, and applications of microbial ecology to biotechnology. Laboratory emphasis is on experimental design and sampling techniques, quantification of microbial biomass, and measurement of microbial activities in aquatic habitats. One weekend field trip required. Lect. 2, Lab. 3. Prerequisite: MIC 230; three semesters of college chemistry; junior standing; BIO 341 strongly recommended. Offered Fall - Even Numbered Years.

BIO/MIC 440/540 Cr.2

Bioinformatics
In this course, students will use computers to study and compare the sequence of nucleotides in DNA or RNA, or the amino acids in a protein. Computers are also used to examine the three dimensional structure of protein. Being able to manipulate and study this information is the basis for the current revolution in Biotechnology. Topics include evolution, taxonomy, genomics and understanding disease. This course provides students an opportunity to explore the relationships between biology, microbiology, chemistry and computer science. Lect. 1, Lab 2. Prerequisite: BIO 306 or MIC 416; junior standing. (Cross-listed with BIO/MIC, may only earn credit in one department.) Offered Spring, Winter.
**BIO/MIC 442/542 Cr.3**

**Plant Microbe Interactions**

This course will explore in depth various ways that plants interact with microbes in the environment, at the macroscopic, cellular, and molecular levels. Case studies will include both parasitic and mutualistic (symbiotic) interactions. Microbes include fungi, bacteria, nematodes, and viruses. Includes plant pathology and studies of the beneficial relationships between plants and microbes. Inquiry based labs are integrated into the lecture and discussion sessions. Lect. 2, Lab. 2. Prerequisite: BIO 203 or BIO 204; MIC 230; BIO 306 or MIC 416; junior standing. (Cross-listed with BIO/MIC, may only earn credit in one department.) Offered Spring - Even Numbered Years.

**MIC 450 Cr.1-3**

**Internship in Microbiology**

An academically relevant field experience in government, industry, business or community agencies. Students must have their internships approved and be advised by the department. Students must be on their internship worksite during the semester for which they are registered for academic credit. Maximum of two credits applicable to major. Repeatable for credit — maximum 8. Consent of department. Pass/Fail grading. Offered Fall, Winter, Spring, Summer.

**MIC 454/554 Cr.2**

**Mechanisms of Microbial Pathogenicity**

The study of mechanisms of microbial pathogenicity including both overt microbial factors and complex interactions with the host that produce symptoms of disease. The cellular, biochemical, molecular, and genetic bases for modern understanding of microbial disease will be included. Prerequisite: MIC 406 or equivalent; MIC 407 or equivalent; junior standing. Offered Spring - Odd Numbered Years.

**MIC 455/555 Cr.3**

**Field/Lab Meth Vector-Borne/Zoonotic Disease Res**

This course will explore methods used in vector-borne and zoonotic disease research. Students will learn current field and laboratory techniques used to understand the epidemiology, spread, and transmission of vector-borne, infectious diseases (VBID’s) and other zoonotic diseases. Emphasis will be placed on sample collection in the field from birds, mammals, and vectors as well as processing and testing samples from the causative agents of West Nile encephalitis, Eastern equine encephalitis, Lyme disease, Human granulocytic ehrlichiosis (HGE), and others. Attention will focus on experimental design and computer methods used in study design and application. Lect/Lab full-time three weeks. Course offered off campus. Prerequisite: MIC 230 or equivalent; junior standing. Offered Occasionally.

**MIC 460/560 Cr.1-3**

**Symposium Microbiology**

Varying topics in microbiology with a specific title assigned to each. Offered by resident faculty or visiting lecturers. Repeatable for credit — maximum 6. Prerequisite: MIC 230; junior standing. Offered Occasionally.

**MIC 461 Cr.1**

**Capstone in Microbiology**

A seminar-style course designed for students to review and discuss basic concepts necessary for a career in microbiology and to assess their major. This course will cover basic concepts of quantitative skills, computer literacy, and current topics microbiology. Students are expected to actively participate in an assessment of their major, and participate in discussions on major issues and developments in the microbiological sciences. Students will present a seminar on a contemporary microbiological topic incorporating primary literature. Prerequisite: senior standing; must have completed all core microbiology classes by the end of the semester for which one is enrolling. Offered Fall, Spring.

**MIC 479 Cr.1-2**

**Microbiology Laboratory Assistant**

An opportunity to assist in the preparation and instruction of a microbiology laboratory. Students will be expected to assist in preparation of course materials, demonstrate proper techniques, and evaluate student performance. Completion of safety training required. Lect. 2, Lab. 6. Repeatable for credit - maximum 4. Consent of instructor: Pass/Fail grading. Offered Fall, Spring, Summer.

**MIC 489 Cr.1-2**

**Independent Study in Microbiology**

A directed reading/project course covering a standard body of knowledge within the discipline but outside that offered through regularly scheduled courses. Under the direction of the supervising faculty member, study may involve a review of current literature. A written report or project is an expected outcome. Admission by instructor's and department approval. Completion of safety training required prior to beginning a laboratory or field-based project. Repeatable for credit — maximum 4. Consent of department. Offered Fall, Winter, Spring, Summer.

**Military Science (MS)**

**Courses**

**MS 101 Cr.2**

**Introduction to the Army Profession**

This course introduces students to the personal challenges and competencies that are critical for effective leadership. Students learn how the personal development of life skills such as time management, physical fitness, and stress management relate to leadership, Officership, and Army operations. Focus is placed on developing basic knowledge and comprehension of Army Leadership Dimensions while gaining a big picture understanding of the ROTC program, its purpose in the Army and its advantages for the student. Offered Fall.

**MS 102 Cr.2**

**Basic Leadership**

This course provides an overview of leadership fundamentals such as setting direction, problem solving, listening, presenting briefs, providing feedback, and using effective writing skills. Students explore dimensions of leadership values, attributes, and competencies in the context of practical, hands-on, and interactive exercises. Continued emphasis is placed on recruitment and retention of students. Cadre role models and the building of stronger relationships among students through common experience and practical interaction are critical aspects of the MS 102 experience. Prerequisite: MS 101. Offered Spring.
MS 201 Cr.2
**Individual Leadership Studies**
This course explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army leadership framework (trait and behavior theories). Students practice aspects of personal motivation and team building in the context of planning, executing, and assessing team exercises and participating in leadership labs. Focus is on continued development of the knowledge of leadership attributes and core leader competencies through an understanding of Army rank, structure, duties and basic aspects of land navigation and squad tactics. Case studies provide tangible context for learning the Soldier’s Creed and Warrior Ethos as they apply to the contemporary operating environment. Prerequisite: MS 102. Offered Fall.

MS 202 Cr.2
**Leadership and Teamwork**
This course examines the challenges of leading tactical teams in the complex contemporary operating environment (COE). The course highlights dimensions of terrain analysis, patrolling, and operation orders. Further study of the theoretical basis of the Army leadership framework explores the dynamics of adaptive leadership in the context of military operations. Students develop greater self-awareness as they assess their own leadership styles and practice communication and team building skills. COE case studies give insight into the importance and practice of teamwork and tactics in real-world scenarios. Prerequisite: MS 201. Offered Fall.

MS 301 Cr.3
**Leadership & Problem Solving**
This course challenges students to study, practice, and evaluate adaptive leadership skills as they are presented with scenarios related to squad tactical operations. Students receive systematic and specific feedback on their leadership attributes and actions. Based on such feedback, as well as their own self-evaluations, students continue to develop their leadership and critical thinking abilities. The focus is developing students’ tactical leadership abilities to enable them to succeed at ROTC’s summer Leadership Development and Assessment Course (LDAC). Prerequisite: MS 202. Offered Fall.

MS 302 Cr.3
**Leadership and Ethical Decision Making**
This course uses increasingly intense situational leadership challenges to build student awareness and skills in leading tactical operations up to platoon level. Students review aspects of combat, stability, and support operations. They also conduct military briefings and develop proficiency in garrison operation orders. The focus is on exploring, evaluating, and developing skills in decision-making, persuading, and motivating team members in the contemporary operating environment (COE). Students are evaluated on what they know and do as leaders as they prepare to attend the ROTC summer Leadership Development and Assessment Course (LDAC). Prerequisite: MS 301. Offered Spring.

MS 401 Cr.3
**Leadership and Management**
This course transitions the focus of student learning from being trained, mentored and evaluated to learning how to train, mentor and evaluate underclass students. Students learn the duties and responsibilities of an Army staff officer. Students will also learn about the special trust, proposed by the U.S. Constitution to Army officers; a trust above and beyond other professions. Further, students will learn Army values and ethics and how to apply them to everyday life as well as in the Contemporary Operating Environment. Finally, students will learn about the officer’s role in the Uniform Code of Military Justice, counseling subordinates, administrative actions and methods on how to best manage their career as Army officers. Prerequisite: MS 302. Offered Fall.

MS 402 Cr.3
**American Military History**
A historical review and analysis of the development of military strategy and weapons; a detailed study of the history of the United States military; an analysis of contemporary, post-World War II issues; and a study of selected battles. Offered Spring.

MS 403 Cr.3
**Officership**
This course explores the dynamics of leading in the complex situations of current military operations in the Contemporary Operating Environment. Students examine differences in customs and courtesies, military law, principles of war, and Rules of Engagement in the face of international terrorism. They also explore aspects of interacting with non-government organizations, civilians on the battlefield, and host nation support. The course places significant emphasis on preparing students for their first unit of assignment. It uses case studies, scenarios, and ‘What Now, Lieutenant?’ exercises to prepare students to face the complex, ethical and practical demands of leading as commissioned officers in the United States Army. Prerequisite: MS 401. Offered Spring.

**Modern Languages (MLG)**

Courses

MLG 101 Cr.4
**World Languages: Elementary I**
Oral and written language study, reading, grammar. A year of high school study in this language is equivalent to the 101 level. Offered Fall.

+MLG 102 Cr.4
**World Languages: Elementary II**
Oral and written language study, reading, grammar. A year of high school study in this language is equivalent to the 101 level as a prerequisite. Prerequisite: MLG 101 in the appropriate language. Offered Spring.

MLG 110 Cr.3
**Introduction to the Study of Languages**
An investigation of the nature, function, and characteristics of romance and germanic languages compared linguistically with English and other languages. Offered Occasionally.

+MLG 201 Cr.4
**World Languages: Intermediate I**
Third semester oral and written language study, reading, grammar. Prerequisite: two years of high school or MLG 102 in this language. Offered Fall.

+MLG 202 Cr.4
**World Languages: Intermediate II**
Fourth semester oral and written language study, reading, grammar. Prerequisite: three years of high school or MLG 201 in this language. Offered Spring.

+MLG 204 Cr.4
**Heritage Language: Intermediate**
Taught in the heritage language specified, this course provides opportunities for students to develop intermediate-level heritage language reading and writing skills. Students learn the heritage language writing system in order to read and write short texts. Additional emphasis is placed on geographical variation within the heritage language. Prerequisite: ENG 110, native or near native speaking skills in the heritage language, consent of the instructor. Offered Fall, Winter, Spring, Summer.
Occasionally. Maximum 8. Prerequisite: MLG 202 in the appropriate language. Offered when a course is available on another campus. Repeatable for credit — may be offered on an individualized basis or through distance education.

Advanced study of less commonly taught world languages. Instruction may be offered on an individualized basis or through distance education when a course is available on another campus. Repeatable for credit — maximum 8. Prerequisite: MLG 202 in the appropriate language. Offered Occasionally.

The primary focus of this course is on major and representative works originally written in French, German, Russian, Spanish and Chinese. The course is team-taught in English by specialists of the respective literatures. Content and theme vary with instructors. Offered Spring.

Taught in the heritage language specified, this course provides opportunities for students to develop advanced-level heritage language reading and writing skills. Students read authentic heritage language manuscripts, practice heritage language narrative and expository writing, translate documents in their fields, and explore heritage language features related to social customs. Prerequisite: ENG 110, native or near native speaking skills in the heritage language, intermediate-level reading and writing skills in the heritage language. Consent of instructor. Offered Occasionally.

This course is designed as an introduction to the field of Second Language Acquisition. It surveys the different theories of second language acquisition including inter-language, the role of first languages, child first- and second- language acquisition, Universal Grammar, Input and Output, the role of formal instruction, the lexicon, and the influence of context. Prerequisite: EDS 319, PSY 212; concurrent enrollment in PSY 370 and EDS 303; SPA 330, SPA 331 and SPA 308; or FRE 303 and FRE 304; or GER 303. Offered Spring.

This course seeks to prepare students for a service learning trip to Latin America. The course explores issues such as racism and the African Diaspora in Latin America, ethnic and racial groups and their participation in Latin American societies, types and systems of oppression, social justice, and the effects of globalization on the environment. Students will also learn practical Spanish to use while working on projects with community partners. Offered Fall - Odd Numbered Years.

An introduction to the study of the nature of human language and an investigation of the structure of English compared with other languages. Prerequisite: ENG 110 or ENG 112; ENG 332; MLG 204 or a foreign language at the 102 level or higher. Offered Occasionally.

A study of how a modern language is learned and acquired and the assessment context, assessment tools construction, working with assessment data to improve language lessons. Prerequisite: EDS 309, EDS 351, MLG 306, MLG 473, SPE 401. Offered Fall.

This course is designed for teachers or prospective teachers working toward teacher certification or recertification in a second or third language and/or in ESL. Program topics include: grammar, conversation, civilization, literature and methods. Prerequisite: acceptance of an approved program by department and permission of department chair. Repeatable for credit — maximum 12. Prerequisite: junior standing. Consent of department. Offered Occasionally.

Designed to prepare pre-service teachers to teach world languages to children in the birth to pre-puberty range; provides a basic understanding of classroom applications of second language acquisition and learning theories, teaching methods, approaches and techniques appropriate for these age levels, standards based assessment and lesson design, and curriculum development. Focus is on putting theory into practice through demonstration, micro-teaching, curriculum evaluation, materials development and unit lesson planning. (This course is intended for students seeking MC-EA world language certification.) Prerequisite: EDS 351 or EDS 402 or EDS 405 or concurrent enrollment. Offered Fall.

A study of how a modern language is learned and acquired and what methods and techniques are effective with varying groups of learners. Focus is on putting theory into practice through demonstration, microteaching, curriculum evaluation, materials development and unit lesson planning. Prerequisite: EDS 351 or concurrent enrollment; junior standing. Offered Fall.

Viewing and criticism of sub-titled films and reading their literary sources in translation. Prerequisite: one course in literature from either the foreign languages or English department. Offered Occasionally.

+ next to a course number indicates a general education course

Courses

+MUS 105 Cr.2

Music Appreciation

The Western classical tradition. A survey of the forms and styles within each period since the Baroque. Emphasis on the content of specific masterpieces to enhance perceptive learning. Not open to students with credit in MUS 110. Not applicable to major or minor. Offered Fall, Spring.
MUS 146 Cr.1
Keyboard Competencies I
This course is designed to prepare students to use the piano as a functional vehicle of expression and as an accompanying instrument. Emphasis will be given to developing physical coordination of keyboard performance skills, building basic piano technique and basic keyboard theory, harmonizing melodies with given chord symbols and by ear, and reading simple piano literature in traditional music notation. Lect. 1, Lab. 1. Prerequisite: music major or minor, or concurrent registration in MUS 235. Offered Fall - Even Numbered Years.

MUS 147 Cr.1
Keyboard Competencies II
This course is designed to prepare students to use the piano as a functional vehicle of expression and as an accompanying instrument. From performance level attained in Keyboard I, students will continue developing physical coordination of keyboard performance skills, building basic technique, applying keyboard theory and harmonizing melodies. Primary emphasis will be to increase performance ability at first sight through practice strategies, musical analysis and several pieces of piano literature. Lect. 1, Lab. 1. Prerequisite: MUS 146 or consent of instructor. Offered Fall - Even Numbered Years.

MUS 148 Cr.1
Keyboard Competencies III
This course is designed to prepare students to use the piano as a functional vehicle of expression and as an accompanying instrument. Having achieved basic piano technique and reading skills, the emphasis in this course will be to expand the use of the keyboard in practical music education contexts: accompaniments, multiple staff (score) reading and transposition. Students will have opportunities to articulate practice strategies and to assess performances. Practical situations which call for modification of the printed score will also be addressed. Lect. 1, Lab. 1. Prerequisite: MUS 146 or consent of instructor. Offered Spring - Odd Numbered Years.

MUS 149 Cr.1
Keyboard Competencies IV
This course prepares music education students to address standards for keyboard competency as stipulated by the Wisconsin Department of Public Instruction. All activities in the course will be driven by practical situations in the classroom using keyboard skills. These skills include demonstration of keyboard technique (scales, chord progressions), folk song accompaniments, transposition of melodies to other keys, score reading (choral or instrumental ensembles) and performance of accompaniments with appropriate stylistic considerations. Lect. 1, Lab. 1. Prerequisite: MUS 148 or consent of instructor. Offered Spring - Odd Numbered Years.

MUS 151 Cr.1
Screaming Eagles Marching Band
Large ensemble open to students in all schools and colleges with consent of instructor. A maximum of six credits in all large ensembles may be applied to music major. Offered Fall.

MUS 152 Cr.1
Opera Workshop
Small ensemble open to students in all schools and colleges with consent of instructor. Requires concurrent enrollment in a large ensemble (MUS 153, MUS 157, MUS 159, MUS 167 if choral or general music ed major; MUS 151, MUS 155, MUS 163 if instrumental or general music ed major). A maximum of two credits in all small ensembles may be applied to music major. Offered Occasionally.

MUS 153 Cr.1
Concert Choir
Large ensemble open to students in all schools and colleges with consent of instructor. A maximum of six credits in all large ensembles may be applied to music major. Offered Fall, Spring.

MUS 154 Cr.1
Symphonic Band (Concert Band II)
Large ensemble open to students in all schools and colleges with consent of instructor. A maximum of six credits in all large ensembles may be applied to music major. Offered Spring.

MUS 155 Cr.1
Orchestra
Large ensemble open to students in all schools and colleges with consent of instructor. A maximum of six credits in all large ensembles may be applied to music major. Offered Fall.

MUS 159 Cr.1
Women's Chorus
Large ensemble open to students in all schools and colleges with consent of instructor. A maximum of six credits in all large ensembles may be applied to music major. Offered Fall.

MUS 161 Cr.1
Ensembles
Small ensemble open to students in all schools and colleges with consent of instructor. Requires concurrent enrollment in a large ensemble (MUS 153, MUS 157, MUS 159, MUS 167 if choral or general music ed major; MUS 151, MUS 155, MUS 163 if instrumental or general music ed major). A maximum of two credits in all small ensembles may be applied to music major. Offered Fall, Spring.

MUS 163 Cr.1
Wind Symphony (Concert Band I)
Large ensemble open to students in all schools and colleges with consent of instructor. A maximum of six credits in all large ensembles may be applied to music major. Offered Fall, Spring.

MUS 165 Cr.1
Jazz Ensemble I
Small ensemble open to students in all schools and colleges with consent of instructor. Requires concurrent enrollment in a large ensemble (MUS 153, MUS 157, MUS 159, MUS 167 if choral or general music ed major; MUS 151, MUS 155, MUS 163 if instrumental or general music ed major). A maximum of two credits in all small ensembles may be applied to music major. Offered Fall, Spring.
MUS 166 Cr.1
**Jazz Ensemble II**
Small ensemble open to students in all schools and colleges with consent of instructor. Requires concurrent enrollment in a large ensemble (MUS 153, MUS 157, MUS 159, MUS 167 if choral or general music ed major; MUS 151, MUS 155, MUS 163 if instrumental or general music ed major). A maximum of two credits in all small ensembles may be applied to music major. Offered Fall, Spring.

MUS 167 Cr.1
**Choral Union**
Large ensemble open to students in all schools and colleges and community members with consent of instructor. A maximum of six credits in all large ensembles may be applied to music major. Offered Fall, Spring.

MUS 168 Cr.1
**Vocal Jazz Ensemble**
Small ensemble open to students in all schools and colleges with consent of instructor. Requires concurrent enrollment in a large ensemble (MUS 153, MUS 157, MUS 159, MUS 167 if choral or general music ed major; MUS 151, MUS 155, MUS 163 if instrumental or general music ed major). A maximum of two credits in all small ensembles may be applied to music major. Offered Fall, Spring.

+MUS 201 Cr.3
**Musical Cultures**
World music from a global perspective, celebrating both the similarities and differences of musical expressions. Exemplary artiotic, folkloric, and popular music cultures of the world are compared to those of the Medieval and Renaissance eras. An introduction to hearing these expressions as cultural phenomena, using objective methods of study that lead to a general understanding of music by visual and aural analysis and by hearing music in its cultural context. Prerequisite: MUS 105 or MUS 110 or music major or minor. Offered Fall.

MUS 202 Cr.2
**Music History: 1600-1825**
A study of music history and literature in the Western world from 1600-1825. Prerequisite: MUS 105 or MUS 110 or MUS 201. Offered Spring.

+MUS 204 Cr.3
**Latin American Music: Its Context and Impact**
A survey of Latin American musical styles, their cultural contexts, and their impact in the U.S. An assessment of religious, artistic, and popular music, focusing on major schools and traditions in Latin America. The course develops from a geographical, chronological approach ranging from pre-Columbian to European and African manifestations in the 20 Latin American republics, with emphasis on the Hispanic domination. Then the course traces the U.S. impact of Mexicans in the southwest since the California missions, Puerto Ricans in New York, and Cubans in Miami; the inroads of Latin dances on jazz and rock. Offered Occasionally.

+MUS 209 Cr.3
**History of Jazz Culture (ES)**
A chronological study of the history of jazz from its African/Creole roots to the present with emphasis on ethnic cultural contributions and innovations through listening and selected readings. Offered Fall, Spring.
MUS 235 Cr.3
Music Theory I
Basic materials in music theory, rhythm, intervals, triads, harmony, modes. Introduction to four-part writing, and to the analysis of forms and styles. Keyboard harmony. Prerequisite: concurrent enrollment in MUS 237. Offered Fall.

MUS 236 Cr.3
Music Theory II
Continuation of Music Theory I. Modulation, seventh chords and altered chords. Nonharmonic tones. Keyboard harmony. Prerequisite: MUS 235 or equivalent; concurrent enrollment in MUS 238. Offered Spring.

MUS 237 Cr.1
Music Reading & Aural Skills I
Singing at sight and aural recognition (dictation) of scales and modes, intervals, diatonic melody involving tonic and dominant harmonies, rhythmic patterns in simple and compound meters; introduction to alto and tenor clefs. Two periods per week. Prerequisite: concurrent registration in MUS 235. Offered Fall.

MUS 238 Cr.1
Music Reading and Aural Skills II
Continuation of MUS 237; subdominant harmonies, secondary dominant harmonies, secondary dominants, modulation to near-related keys, two-voice counterpoint, more complex rhythmic patterns involving syncopation and borrowed divisions of the beat. Two periods per week. Prerequisite: successful completion of MUS 237 with a grade of "C" or better; concurrent enrollment in MUS 236. Offered Spring.

MUS 249 Cr.1
Piano Sight Reading
This course is intensely focused on reading piano music at sight. While the majority of the course provides opportunities to read/perform new music at sight, strategies to improve initial sight-reading skills will be given on a regular basis. Lect.1, Lab 1. Prerequisite: MUS 149. Offered Fall - Odd Numbered Years.

MUS 263 Cr.1
Introduction to Music Technology
This course introduces the basic principles of music production with recorders, mixers, microphones, synthesizers, samplers, drum machines, computers, video discs and CD ROM devices. It includes fundamental concepts in recording with analog and digital recorders, mixing, analog and digital synthesis, sampling and MIDI/computer applications for music sequencing, notation and education. Prerequisite: MUS 235. Offered Spring - Even Numbered Years.

MUS 301 Cr.2
Music History: 1825-1900
A study of music history and literature in the Western world from 1825 to 1900: the Romantic Period. Prerequisite: MUS 105 or MUS 110 or music major. Offered Fall.

MUS 302 Cr.2
Music History: 20th Century
A study of music history and literature in the Western world from 1900 to the present: the Contemporary Period. Prerequisite: MUS 105 or MUS 110 or music major. Offered Spring.

MUS/THA 304 Cr.3
History of Music Theatre
A survey of music theatre history and literature from origins to the present and its effect on popular culture, this course provides an understanding of the development of music theatre into the present day. Particular attention is given to the writers and composers who greatly influenced and/or continue to influence the development of this art form. Prerequisite: ENG 110 or ENG 112. (Cross-listed with MUS/THA; may only earn credit in one department.) Offered Spring - Odd Numbered Years.

MUS 305 Cr.2
American Music
A study of musical development in the United States. Colonial music, folk music, jazz, and the development of music as an art in the late nineteenth and twentieth centuries. Prerequisite: MUS 105 or MUS 110 or music major. Offered Occasionally.

MUS/THA 310 Cr.3
The Singer/Actor
This course examines the process of acting through song and verse. Its purpose is to explore a variety of theoretical and practical approaches integrating acting, vocal and stylistic techniques which support and strengthen each other. Prerequisite: THA 220 or THA 222; MUS 235, MUS 236, MUS 237, MUS 238. Offered Fall - Odd Numbered Years.

MUS 312 Cr.1
Marching Band and Jazz Ensemble Techniques
Pedagogical techniques and problem solving for conductors of middle and high school marching bands and jazz ensembles. Prerequisite: MUS 211; MUS 225 or MUS 226; MUS 220 or MUS 221; MUS 226 or MUS 227 or MUS 228. Offered Fall - Odd Numbered Years.

MUS 313 Cr.1
Orchestra Techniques
Practical approaches to the design and development of a successful school string and orchestra program. Topics covered will be special recruitment and teaching techniques to the string section, the relationship between bowing and style, effective use of heterogenous teaching methods, chamber music in the string curriculum and scheduling, repertoire, equipment, style and techniques for the full orchestra, string orchestra, strolling strings and 'Pops' orchestra. Prerequisite: MUS 211; MUS 214 or MUS 215. Offered Occasionally.

MUS 316 Cr.2
Advanced Instrumental Conducting
The study of advanced problems in instrumental conducting. Topics covered include baton technique, score preparation and analysis, interpretation, rehearsal technique and procedure and the study of appropriate instrumental literature of the band and orchestra in relation to its performance and practice. Prerequisite: MUS 211. Offered Fall - Even Numbered Years.

MUS/THA 317 Cr.3
Musical Classroom
Contextual music methodology course designed for elementary classroom teachers. This course is intended to explore the role of the classroom teacher. The emphasis of the course is to incorporate music into the daily class activities through performance and teaching opportunities. The course content will include listening to representative selections of Western classical, American, and Asian music in relation to its historical, social, and cultural contexts. Not applicable to the music major or minor. Most appropriate for Teacher Education. Offered Fall, Spring.
MUS 318 Cr.2
Advanced Choral Conducting
The study of advanced problems in choral conducting. Topics covered will include conducting techniques, score preparation, and analysis, interpretation, rehearsal techniques and procedures, and appropriate choral literature. Prerequisite: MUS 211. Offered Spring - Even Numbered Years.

MUS 320 Cr.2
Orchestration
A study of the characteristics and capabilities of orchestral and band instruments and the writing of practical transcription and arrangements for various small ensembles, the full band and the orchestra. Prerequisite: MUS 236. Offered Spring - Odd Numbered Years.

MUS 321 Cr.2
Choral Arranging
Scoring and arranging for mixed chorus, choirs, glee clubs and small vocal ensembles; scoring of instrumental accompaniment for vocal groups. Prerequisite: MUS 335. Offered Fall - Even Numbered Years.

MUS 322 Cr.3
Choral Techniques
Basic principles of choral performance. Elements of expression, stylistic characteristic and preparation of choral groups. The voice at different age levels. Examination and evaluation of choral materials. Prerequisite: MUS 211. Offered Spring - Odd Numbered Years.

MUS/THA 324 Cr.3
Cabaret Performance Workshop
Students work together in a workshop format to rehearse and eventually perform a cabaret set consisting of ensemble numbers, duets and solos on a common theme. Each number will be carefully rehearsed and staged. This is a studio course requiring active and regular participation. Repeatable for credit - maximum 6. Prerequisite: admission to the music theatre emphasis. (Cross-listed with MUS/THA; may only earn credit in one department.) Offered Fall - Even Numbered Years.

MUS 326 Cr.2
Jazz Improvisation I
The study and application of the theoretical, technical and performance aspects of jazz improvisation. Three periods per week. Prerequisite: MUS 236. Consent of instructor. Offered Fall - Odd Numbered Years.

MUS 327 Cr.2
Jazz Improvisation II
A continuation of the principles and techniques of Jazz Improvisation I, but at a higher performance level. Three periods per week. Prerequisite: MUS 326. Consent of instructor. Offered Fall - Odd Numbered Years.

MUS 328 Cr.1
Diction in Music
The study of diction for music majors and minors dealing with the phonetic systems and texts in foreign language. Offered Occasionally.

MUS 329 Cr.1
Recording Techniques
Physical properties of sound, the recording chain and principles of audio recording will be covered. Participants will be responsible for a final recording project. Consent of instructor. Offered Occasionally.

MUS 333 Cr.2
Electronic Music
Basic principles and theory of the generation and modification of acoustical wave-forms by electronic means. Consent of instructor. Offered Occasionally.

MUS 335 Cr.3
Music Theory III
Continuation of Music Theory I and II, with further study of modulation, altered chords, and extended chords. Stylistic and formal analysis and composition with emphasis upon eighteenth and nineteenth century styles and techniques. Keyboard harmony, sight reading and ear training. Prerequisite: MUS 236 or equivalent. Offered Fall.

MUS 336 Cr.3
Music Theory IV
Continuation of Music Theory III, with analysis of the principal forms of music. Stylistic and formal analysis and composition with emphasis upon twentieth-century idioms. Keyboard harmony, sight reading and ear training. Prerequisite: MUS 335 or equivalent. Offered Spring.

MUS 337 Cr.1
Music Reading & Aural Skills III
Continuation of MUS 238; chromatic harmonies, four-voice dictation, rhythmic patterns involving changing and complex meters. Two periods per week. Prerequisite: completion of MUS 238 with a grade of "C" or better; concurrent enrollment in MUS 335. Offered Fall.

MUS 338 Cr.1
Music Reading and Aural Skills IV
Continuation of MUS 337; higher chords, non-tonal melody, rhythmic patterns involving syncopation in changing and complex meters. Two periods per week. Prerequisite: completion of MUS 337 with a grade of "C" or better; concurrent enrollment in MUS 336. Offered Spring.

MUS 342 Cr.1
Keyboard Accompanying
Instruction and practical experience in keyboard accompanying. Prerequisite: permission by department chair. Consent of department. Offered Occasionally.

MUS 349 Cr.1
Vocal Accompanying
Instruction and practical experience in vocal accompanying. Topics include score reading, rehearsal techniques, simplifying scores, improving pianistic interpretation in performance. Lect. 1, Lab. 1. Prerequisite: MUS 249. Offered Spring - Even Numbered Years.

MUS 351 Cr.2
Piano Pedagogy I
An introduction to teaching piano. Topics include methods and materials currently used for studying piano, business and administrative issues related to operating independent teaching studios, innovative strategies beyond traditional method book instruction and piano literature. Through a comprehensive survey of piano literature and essential pedagogical collections of repertoire, students will establish a foundation for teaching styles of intermediate and advanced piano literature. Lect. 2, Lab. 1. Prerequisite: music major; concurrent registration in MUA 314. Offered Spring - Odd Numbered Years.

MUS 352 Cr.2
Piano Pedagogy II: Instructional Strategies
This course is designed to study and implement strategies for improving effectiveness in piano teaching. A systematic examination and evaluation of piano methods will be covered, as well as discussions regarding teaching content versus teaching process. Topics on teaching effectiveness will include behavioral modifications, task analysis, teaching cycles, and observation and evaluation techniques. Students also receive initial training in systematic methods for making independent changes in both piano practice and piano teaching environments. Lect. 2, Lab. 1. Prerequisite: MUS 351; concurrent registration in MUA 314. Offered Spring - Even Numbered Years.
MUS 371 Cr.3  
**Methods and Materials in Elementary School Music**  
This course is designed to prepare music education majors to teach content and skills essential for developing musicianship for children in pre-kindergarten through elementary school. Prerequisite: MUS 335; admission to teacher education. Offered Fall - Even Numbered Years.

MUS 372 Cr.3  
**General Music in the Middle/Senior High School**  
This course is designed to prepare music education major students for teaching general music in secondary schools. Sufficient materials, methods, and techniques are explored as to enable the beginning teacher to deal with adolescent musical skills. Prerequisite: admission to teacher education. Offered Spring - Odd Numbered Years.

MUS 373 Cr.3  
**Choral Music in the Middle/Senior High School**  
This course is designed to provide the students with the basic principles and techniques of choral preparation and performance in relation to public school choral ensembles. It deals specifically with vocal production in young voices, choral sound, repertoire, stylistic characteristics, and expressive elements. Prerequisite: admission to teacher education. Offered Fall - Odd Numbered Years.

MUS 374 Cr.3  
**Instrumental Music in the Schools**  
A practicum in the structure, supervision, and administration of school instrumental music programs. Emphasis placed upon elementary band techniques, junior/senior high school band/orchestra rehearsal procedures, and organization and conducting. Prerequisite: completion of 8 hours of techniques classes and conducting; admission to teacher education. Offered Fall - Odd Numbered Years.

MUS 403 Cr.2  
**Symphonic Literature**  
A study of the development of the orchestra, the important orchestral forms and the evolution of orchestral styles through the study of compositions of representative composers. Prerequisite: MUS 301 or MUS 302. Offered Occasionally.

MUS 407 Cr.2  
**Survey of Opera**  
A historical survey of opera from its origin to the present, emphasizing an understanding of the parameters of opera as an art form. Prerequisite: MUS 105 or MUS 110 or music major; MUS 301 or MUS 302. Offered Occasionally.

MUS 432 Cr.2  
**Counterpoint**  
Composition of musical themes with analysis and writing of counterpoint in two and three parts. Prerequisite: MUS 335. Offered Occasionally.

MUS 437 Cr.2  
**Form and Analysis**  
The study of the basic structural principles and patterns of music, of their expansion into the chief homophonic and contrapuntal forms in Western music. Prerequisite: MUS 335. Offered Occasionally.

MUS 439 Cr.2  
**Composition**  
The study of compositional techniques and their application to the writing of original music. Individual projects in composition. Prerequisite: MUS 336. Offered Occasionally.

MUS 480 Cr.1-3  
**Independent Study of Music**  
Individual projects. Concentration in one area of advanced music study. Open to selected advanced students who have excellent records in the department. Admission by consent of adviser, instructor, and music department staff. Repeatable for credit — maximum 6. Consent of department. Offered Occasionally.

MUS 499/699 Cr.1-3  
**Special Topics in Music and Music Education**  
Special topics in music and music education not covered by current courses taught in the music department. The particular topic selected to be determined by the Music Department according to the current need and interest. Repeatable for credit. Prerequisite: MUS 336 or consent of the department chair; junior standing. Consent of instructor. Offered Occasionally.

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### Music Applied (MUA)

#### Courses

**MUA 201 Cr.1**  
**Applied Flute**  
Intermediate applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

**MUA 202 Cr.1**  
**Applied Oboe**  
Intermediate applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

**MUA 203 Cr.1**  
**Applied Clarinet**  
Intermediate applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

**MUA 204 Cr.1**  
**Applied Bassoon**  
Intermediate applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

**MUA 205 Cr.1**  
**Applied Saxophone**  
Intermediate applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.
MUA 206 Cr.1
Applied Horn
Intermediate applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

MUA 207 Cr.1
Applied Trumpet
Intermediate applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

MUA 208 Cr.1
Applied Trombone
Intermediate applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

MUA 209 Cr.1
Applied Euphonium
Intermediate applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

MUA 210 Cr.1
Applied Tuba
Intermediate applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

MUA 211 Cr.1
Applied Percussion
Intermediate applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

MUA 214 Cr.1
Applied Piano
Intermediate applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

MUA 215 Cr.1
Applied Guitar
Intermediate applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

MUA 216 Cr.1
Applied Violin
Intermediate applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

MUA 217 Cr.1
Applied Viola
Intermediate applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

MUA 218 Cr.1
Applied Cello
Intermediate applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

MUA 219 Cr.1
Applied Bass
Intermediate applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

MUA 221 Cr.1
Applied Voice
Intermediate applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

MUA 301 Cr.1
Applied Flute
Advanced applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.
and non-music minors pay an applied music fee. Offered Fall, Spring.

MUA 303 Cr.1
Applied Clarinet
Advanced applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

MUA 304 Cr.1
Applied Saxophone
Advanced applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

MUA 305 Cr.1
Applied Oboe
Advanced applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

MUA 306 Cr.1
Applied Horn
Advanced applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

MUA 307 Cr.1
Applied Trumpet
Advanced applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

MUA 308 Cr.1
Applied Trombone
Advanced applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

MUA 309 Cr.1
Applied Euphonium
Advanced applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

MUA 310 Cr.1
Applied Tuba
Advanced applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

MUA 311 Cr.1
Applied Percussion
Advanced applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

MUA 314 Cr.1
Applied Piano
Advanced applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

MUA 315 Cr.1
Applied Guitar
Advanced applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

MUA 316 Cr.1
Applied Violin
Advanced applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.

MUA 317 Cr.1
Applied Viola
Advanced applied course requiring audition. Includes one-half hour private lesson per week and one class lesson per week; performance for music department jury at end of semester. Repeatable for credit - maximum six. Prerequisite: open to music majors or minors. Others may enroll on a space available basis based on audition. Non-music majors and non-music minors pay an applied music fee. Offered Fall, Spring.
Nuclear Medicine Technology (NMT)

Courses

NMT 201 Cr.1
Introduction to Nuclear Medicine Technology
Orientation to the application and professional aspects of nuclear medicine technology; including radiation safety and protection, types of imaging procedures performed, computer applications, related allied health professions and ethics. Lect. 0.5, Lab. 1. Offered Fall.

NMT 314 Cr.2
Cross-Sectional Anatomy
This course revisits anatomy specifically from an imaging perspective. Students will learn to identify normal and abnormal structures on CT and MRI scans and locate topographic landmarks on diagnostic and simulation images. Prerequisite: BIO 313 with a grade of “C” or better. Students with credit in RT 421 cannot earn credit in NMT 314. Offered Fall.

NMT 395 Cr.1
Immunology for the Nuclear Medicine Technologist
A highly focused investigation of the practices of immunology for the student of nuclear medicine technology. Offered Fall.

NMT 398 Cr.2
Research Writing in Nuclear Medicine Technology
This course focuses on students learning how to interpret published data and how to write an article ready for publication in professional journals in the field of Nuclear Medicine. Students of the Nuclear Medicine Technology program will learn how to read, review, and comprehend NMT literature through a series of different writing exercises. Students will have opportunities to become comfortable deciphering the most up to date journal publications writing a journal article. Students will draft and revise their own work to become publication ready in the Journal of Nuclear Medicine Technologist Section periodical. Prerequisite: Concurrent enrollment in NMT 399; admission to NMT program. Offered Spring.

NMT 399 Cr.1
Applied Research Writing in Nuclear Medicine Technology
This applied writing lab focuses on students practicing the art of interpreting data and summarizing NMT data. Learning how to summarize data and to write an article ready for publication in professional journals in the field of Nuclear Medicine will assist them in becoming successful in the field. The applied setting will offer students an opportunity to understand and perfect the different parts of writing an NMT research proposal. The applied writing lab provides opportunities for students to draft and revise their own work to become publication ready in the Journal of Nuclear Medicine Technologist Section periodical. Prerequisite: Concurrent enrollment in NMT 398; admission to NMT program. Offered Spring.

NMT 401 Cr.2.00
Management and Methods of Patient Care I
The survey of hospital administrative procedures including medical terms and medical ethics. Prerequisite: admission to the NMT Program; assignment to a clinical internship site. Offered Fall. Spring.

NMT 402 Cr.1-4
Clinical Correlation: Anatomy, Physiology and Pathology
A lecture series of topics of current interest selected and presented by nuclear medicine physicians. Emphasis on clinical interpretation of organ systems pathophysiology as viewed by the practicing nuclear physician. Lect. 1-2. Duration: two semesters. Prerequisite: admission to the NMT Program; assignment to a clinical internship site. Offered Annually.

NMT 403 Cr.2-4
Anatomy, Physiology and Pathology
The anatomy, physiology and pathology of the human organ systems treated in the application of nuclear medicine. Prerequisite: admission to the NMT Program; assignment to a clinical internship site. Offered Annually.

NMT 404 Cr.3
Management and Methods of Patient Care II
Skills in problem-solving, critical thinking and clinical decision making are developed, as well as oral and written clinical communication skills. Administrative duties including budgeting, medical and legal considerations, and political issues affecting patient care are discussed. Focus on basic measures necessary to provide quality patient care. Basic principles of record keeping and confidentiality of information are explained. Prerequisite: admission to the NMT Program; assignment to a clinical internship site. Offered Fall. Spring.
NMT 405 Cr.2-3
Radiation Protection
Properties of alpha, beta and gamma radiations, their effects upon human beings and methods for protecting patients and staff from unnecessary exposure and possible injury. Prerequisite: admission to the NMT Program; assignment to a clinical internship site. Offered Annually.

NMT 407 Cr.2-5
Clinical Instrumentation and Techniques
Structure, operating characteristics and practice in use of nuclear radiation detection instruments and radioisotope handling devices used in medical diagnosis and therapy. Lect. 1-3, Lab. 3-6. Prerequisite: admission to the NMT Program; assignment to a clinical internship site. Offered Annually.

NMT 409 Cr.1-3
Mathematical Evaluation of Clinical Data
A study of the expected variations in results depending on the choice of radionuclide, instrument and patient. Prerequisite: admission to the NMT Program; assignment to a clinical internship site. Offered Annually.

NMT 411 Cr.1-2
Records and Administrative Procedures
Records and procedures required by federal, state and professional regulatory agencies to insure proper: (1) acquisition, handling, application, storage, and disposal of radioactive materials; (2) awareness of radiation dosages received by patients and staff; and (3) functioning of detection equipment. Prerequisite: admission to the NMT Program; assignment to a clinical internship site. Offered Annually.

NMT 412 Cr.3-9
Clinical Nuclear Practicum I
The supervised use of radionuclides in imaging and scanning of patients for diagnostic purposes. Lect. 1-3, Lab. 6-18. Prerequisite: admission to the NMT Program; assignment to a clinical internship site. Offered Annually.

NMT 413 Cr.3-9
Clinical Nuclear Practicum II
The supervised use of radionuclides in vitro and in vivo in patients for diagnostic purposes. Lect. 1-3, Lab. 6-18. Prerequisite: admission to the NMT Program; assignment to a clinical internship site. Offered Annually.

NMT 415 Cr.1-3
Application of Radionuclides to Medicine
Review of radionuclides and the compounds into which they are formed that are useful in medical research, diagnosis and therapy. Lect. 1-3. Prerequisite: admission to the NMT Program; assignment to a clinical internship site. Offered Annually.

NMT 416 Cr.1-3
Nuclear Medicine Quality Control Practicum
Elution of Mo/Tc generator, preparation and testing of radiopharmaceutical products. Gamma Camera uniformity, relative sensitivity and spatial linearity and resolution testing. The use of flood field and bar phantoms on in vivo imaging detectors in the nuclear medicine imaging laboratory. Lect. 5-1.5, Lab. 1.5-4.5. Prerequisite: admission to the NMT Program; assignment to a clinical internship site. Offered Annually.

NMT 417 Cr.2-5
Nuclear Radiation Physics and Instrumentation
Properties of alpha, beta and gamma radiations; their origins and interactions with matter; their control and shielding; and the statistics of counting. Lect. 1-3, Lab. 3-6. Prerequisite: admission to the NMT Program; assignment to a clinical internship site. Offered Annually.

NMT 418 Cr.1-3
Clinical Procedures Review
Classroom technique to establish clinical practices used in nuclear medicine imaging; develop techniques used in planar and SPECT imaging. The fundamental skills of patient care, radiopharmaceutical preparation and administration. Emphasis is also on computer processing techniques used in coordination with imaging procedures. Lect. 5-1.5. Duration: two semesters. Prerequisite: admission to the NMT Program; assignment to a clinical internship site. Offered Annually.

NMT 419 Cr.1-3
Clinical Radiation Biology
Cellular and organ responses to radiation sources and radionuclides employed in nuclear medicine. Lect. 1-2, Lab. 0-3. Prerequisite: admission to the NMT Program; assignment to a clinical internship site. Offered Annually.

NMT 420 Cr.1-2
Gamma Cameras
This course consists of lectures and laboratory sessions relating to the gamma camera from a physics point of view. It will convey to the student the principles of gamma camera operation, methods of measuring and maintaining camera performance, and the theory and practice of acquiring tomographic studies. Lect. .5-1, Lab. 1.5-3. Prerequisite: admission to the NMT Program; assignment to a clinical internship site. Offered Annually.

NMT 421 Cr.1.00
Therapeutic Radionuclides
The chemical, physical and biological properties of the radionuclides used in diagnosis and therapy. Prerequisite: admission to the NMT Program; assignment to a clinical internship site. Offered Annually.

NMT 422 Cr.1-4
Clinical Procedures Review II
Classroom technique to establish clinical practices used in Nuclear Medicine imaging. To develop techniques used in planar and SPECT CT imaging that has been developed in addition to the previous course Clinical Procedures Review. The fundamental skills of patient care, radiopharmaceutical preparation and administration will be reviewed. Emphasis is also in computer processing techniques used in coordination with imaging procedures. Prerequisite: admission to the NMT Program; assignment to a clinical internship site. Offered Fall, Spring.

NMT 423 Cr.1-3
Radiopharmacy
A study of the radiopharmacology and the chemistry of radionuclides used in the clinical laboratory. Prerequisite: admission to the NMT Program; assignment to a clinical internship site. Offered Annually.

NMT 427 Cr.1-5
Application of Computers to Nuclear Medicine
A study of data collection, data reduction and data enhancement by computer methods. Lect. 1-2, Lab. 0-9. Prerequisite: admission to the NMT Program; assignment to a clinical internship site. Offered Annually.

NMT 429 Cr.2
Introduction to Computerized Tomography
This course is designed to present a more in depth overview of CT Scanning and cross-sectional anatomy. Specific topics include the physics & instrumentation of CT scanning and image production. Comparison of cross-sectional anatomy to PET and CT images. Emphasis will be placed on patient considerations, patient safety, and radiation protection. Prerequisite: admission to the NMT Program; assignment to a clinical internship site. Offered Fall, Spring.
Nutrition (NUT)

Courses

NUT 200 Cr.3
Human Nutrition
Examination of the basic principles of the science of nutrition including understanding the basic sources of energy and the impacts and effects of nutrition on one's overall health and fitness. Cultural and environmental factors that influence food availability and consumption will also be investigated. Offered Fall, Spring, Summer.

NUT 300 Cr.3
Lifecycle Nutrition
Exploration of nutrition assessment and nutritional requirements/challenges during pregnancy, lactation, infancy, childhood, adulthood and older adulthood, and community nutrition programs targeted for each life stage. Prerequisite: NUT 200. Offered Fall, Spring.

NUT 350 Cr.3
Functional Foods, Herbs, and Supplements
Consumer interest in the relationship between diet and health has increased the demand for information about functional foods, herbs, and supplements. The purpose of this course is to explore current literature and research in these ever-growing and popular topics. Definitions, purpose, safety, efficacy, and risks of each topic will be covered. Additionally, topics of discussion will include specific functional components of food, herbs, and supplements. Prerequisite: NUT 200. Offered Annually.

NUT 400 Cr.3
Food Science and Safety
This course examines the principles of food science including the functional role of carbohydrates, protein and fat. Emphasis will be placed on current topics of food science and safety in the national and local food industry including genetically modified and functional foods. Biological, chemical, and physical factors that affect the safety of food products will be discussed in addition to the role of microorganisms in foodborne illness and food quality. Students in this course will also explore basic principles of food safety including food processing and food service as well as the role of government in food safety. Prerequisite: NUT 200; BIO 103 or BIO 105 or MIC 100 or MIC 230. Offered Fall, Spring.

NUT 450 Cr.3
Field Experience in Nutrition
After working with a faculty member to identify a nutrition-related field site and developing a plan for exposure to appropriate experiences at the field site, the student will participate in nutritionally related professional activities at the field site, and submit a portfolio detailing their experiences. A contract describing the responsibilities of the faculty mentor, site preceptor, and student regarding the experience must be signed by all three prior to any work by the student at the site. Prerequisite: nine credits completed in nutrition minor; approval of instructor. Consent of instructor. Offered Fall, Winter, Spring, Summer.

NUT 479 Cr.1
Nutrition Teaching Assistantship
Working with a faculty mentor(s), students will aid in course development, delivery, and student assessment. Prerequisite: A grade of 'B' or better in the class in which the student will be assisting AND approval of instructor of the class in which the student will be assisting. Consent of instructor. Offered Fall, Spring.

NUT 499 Cr.1-2
Nutrition Research
Working with a faculty mentor(s), students will identify a research topic of interest, develop, plan, carry-out, and report the research in a campus and/or professional meeting. If the research findings are impactful in the field of nutrition, the student will submit a manuscript for publication in an appropriate journal. Prerequisite: 6 credits completed in Nutrition Minor and approval of instructor. Repeatable for credit – maximum 2. Consent of instructor. Offered Fall, Winter, Spring, Summer.

Philosophy (PHL)

Courses

+PHL 100 Cr.3
Introduction to Philosophy
An introduction to the major views on important philosophic topics such as personal identity, freedom, knowledge, morality, religion, and social justice. Students cannot earn credit for the philosophy major/minor in both PHL 100 and PHL 200. Offered Fall, Winter, Spring, Summer.

+PHL 101 Cr.3
Introduction to Logic
An introduction to logic, the science of valid reasoning. This course introduces the student to both formal and informal methods of reasoning and evaluating arguments. Offered Fall, Spring.

+PHL 200 Cr.3
Introduction to the Literature of Philosophy
An examination of the expression, development and conflict of the ideas and values in current and time-honored works of philosophy from major world cultures. Topics to be studied include religion, ethics, knowledge, personal identity, justice and freedom. Students cannot earn credit for the philosophy major/minor in both PHL 100 and PHL 200. Offered Fall, Spring.

PHL 201 Cr.3
Introduction to Ethics
A study of important ethical views in the history of philosophy. An examination into the nature of virtues and values, principals of right action, and character. There will be additional introductory emphasis on selected issues in applied ethics from multicultural points of view. Offered Annually.

PHL 205 Cr.3
History of Philosophy I
Introduction to principle questions of philosophy and history of their analysis from the pre-Socratic period to the Renaissance. Offered Fall.

PHL 206 Cr.3
History of Philosophy II
Principal questions of philosophy, and history of their analysis from the Renaissance through the Enlightenment. Offered Spring.
PHL 300 Cr.3
Topics in Philosophy
Study of a philosophical topic of special interest. Topics will vary according to the interests of the instructor. For the current content, consult the instructor or the department chair. Repeatable for credit - maximum 6. Prerequisite: six credits in philosophy or permission of the department chair. Offered Occasionally.

PHL/PSY 301 Cr.3
Theory of Knowledge
An intensive examination of three major questions: (1) What are the principal grounds of knowledge? (2) How certain can we be of what we think we know? (3) Are there limits beyond which we cannot hope to extend knowledge? Strong emphasis is placed on the problems of perception, learning, and knowledge representation. Prerequisite: PHL 100 or PHL 101 or PHL 200 or PSY 100. (Cross-listed with PHL/PSY; may only earn credit in one department.) Offered Alternate Years.

PHL 302 Cr.3
Symbolic Logic
This course offers the student a systematic presentation of symbolic logic. Proof techniques as well as consistency and completeness of the propositional calculus and predicate calculus are discussed. The student is also introduced to logical systems involving obligation and necessity as well as to systems of three-valued logic. Prerequisite: PHL 101 or MTH 151. Offered Occasionally.

PHL 303 Cr.3
Ethical Theory
A study of traditional and contemporary philosophical statements by which ethical problems may be approached. An examination of the search for general standards of value and of conduct as well as a critical examination of the answers put forth by the main types of ethical theories. Prerequisite: PHL 100 or PHL 101 or PHL 200. Offered Fall.

PHL 307 Cr.3
19th Century Continental Philosophy
A study of the major continental philosophical movements of the 19th century. Beginning with Fichte’s response to Immanuel Kant, the course explores Romantic philosophy (Schleiermacher and Schlegel), Idealism (Schelling and Hegel), and post-Hegelian philosophy (Schopenhauer, Kierkegaard, and Nietzsche). The course will take into consideration a number of metaphysical, epistemological, ethical, and aesthetic issues. Questions concerning self, religion, language, the natural environment, beauty, and our relationship with others, will all be broached. Prerequisite: PHL 100 or PHL 200. Offered Occasionally.

PHL 310 Cr.3
Metaphysics
Metaphysics is the science of what it is to be something. Topics include: (1) how metaphysics differs from natural science, (2) in what sense is anything general, universal, particular, continuing, an event, a process, a substance, a relation, abstract, subjective, or objective, (3) in what ways possible worlds can differ from this one, (4) what kind of thing could have body and a mind, (5) what the difference between a thing and its parts in an arrangement is, (6) what is required for two seemingly different things to turn out to be the same thing, (7) how space and time differ from each other and other things, and (8) what natural laws and numbers are. Prerequisite: PHL 100 or PHL 101 or PHL 200. Offered Occasionally.

PHL 311 Cr.3
Philosophy of Language
A survey of issues concerning the meaning of words. Their referential, snytactic and pragmatic features are explored. Description and causal theories of reference of names, description, indexicals, reflexives and kind terms and their relation to various theories of truth, necessity, and possibility are considered. The nature and roles of linguistic rules of use, competence and their relation to word, speaker and hearer meaning are explored in view of speech act theory. Prerequisite: PHL 100 or PHL 101 or PHL 200. Offered Occasionally.

PHL 320 Cr.3
American Philosophy
A survey of the American philosophical canon under the rubric question of what should count as American philosophy. We study Native American philosophies, the Puritans, the Congregationalists and Quakers, the American enlightenment philosophies, the transcendentalists, the evolutionary thinkers, the social philosophers, the American idealists, the pragmatists, and the neo-pragmatists. Prerequisite: PHL 100 or PHL 200. Offered Occasionally.

ERS/PHL 321 Cr.3
American Indian Thought
Reflection on the Native American ways of thinking as manifest in the literature of various select tribes, on the essential characteristics of thinking commonly shared by Native Americans, and on the fundamental difference between the Native American ways of thinking and those of the dominant (white) culture. The “primal world” of Native American thought will be studied as an alternative to the western way of thinking. Prerequisite: ERS 100. (Cross-listed with ERS/PHL 321; may only earn credit in one department.) Offered Occasionally.

PHL 323 Cr.3
Phenomenology, Existentialism and Postmodernism
A study of the three major components of Continental philosophy: existentialism, phenomenology, and postmodernism. Existentialism: rejecting the rationalistic conception of objective knowledge, a philosophy of the lived experience of concrete individuals. Phenomenology: thinking and learning to describe the world as it appears rather than in terms of the preconceptions of a “totally rational” and “absolutely certain” system. Postmodernism, including poststructuralism and deconstruction: tending to the fragmentation of text and of subject, recognizing the impossibility of any definitive conception of reality, releasing hidden layers (traces) of texts unto polymorphic indeterminacies. Prerequisite: PHL 100 or PHL 200. Offered Annually.

PHL 324 Cr.3
Women and Diversity in Philosophy
This class explores the philosophical questions regarding the diverse aspects of women's experience. This explores the intersection of sex, race, ethnicity, class, age, and gender. Offered Occasionally.

PHL 326 Cr.3
Philosophical Concepts in Literature
Philosophical Concepts in Literature explores how literary technique in used in philosophical texts and how philosophical issues are addressed in various literary forms. Students discuss issues such as love, death, evil, tragedy, identity, fortune, and the good life. Prerequisite: PHL 100 or PHL 200 or ChI 305 or ENG 200 or ENG 201 or ENG 202 or ENG 203 or ENG 204 or ENG 206 or GER 399 or MLG 299 or RUS 305. Offered Occasionally.
PHL 330 Cr.3

Philosophy of Food: The Dining Experience

Philosophy of Food explores the aesthetic, ethical and existential features of the dining experience. Beginning with the pleasure features of food it moves to discussion on the relation of the disgusting and delicious, of the role of taste and food taboo, the proper relation of food and beauty, the question of whether food can constitute art, the relation of food and the sexual, and the role of the aesthetic in unpacking ethical evaluation of food choices. Phenomenological accounts are provided of the experiences of eating disorders and models of thinness and obesity. Next it looks at the metaphysics and epistemology of establishing criteria for nutritional value, the ideology of nutritionism, analysis of function foods, the defenses/critiques of genetically modified organisms (GMO) and so-called Frankenfoods. Further it investigates ethical discourse on eating behavior, ethical arguments for vegetarianism, veganism, carnivism and omnivorism, and gendered accounts of proper eating behavior. Lastly, philosophical arguments about appropriate ethical responses to world hunger are evaluated as well as development of arguments about the proper role of being a world food citizen. Offered Spring - Even Numbered Years.

PHL 331 Cr.3

Philosophy of Religion

An examination of religion and religious experience. Topics considered are: theories of the proper description of God, arguments for and against the existence of God, theories of the nature of the soul, arguments for and against the existence of souls and reincarnation, the role and evidential power of religious experience and organized religion in justified belief. Prerequisite: PHL 100 or PHL 101 or PHL 200. Offered Fall.

PHL 332 Cr.3

Philosophy of the Arts

An examination of aesthetic experience and the questions that are relevant to works of art. Topics discussed include: art and the emotions, aesthetic responses to everyday experiences, morality and the arts, standards of taste, and how to define art. Offered Annually.

PHL/PSY 333 Cr.3

Philosophy of Mind

A study of the nature of the mind from both philosophical and psychological perspectives. The course will focus on important attempts to solve the mind-body problem, how mind and body are related and also will address the related problems of consciousness, intentionality, free will and personal identity. Prerequisite: PHL 100 or PHL 101 or PHL 200 or PSY 100. (Cross-listed with PSY/PHL; may only earn credit in one department.) Offered Alternate Years.

PHL 334 Cr.3

Philosophy of Science

An examination of such topics as the attempt to demarcate science from pseudo-science, the nature of scientific inference, the structure of scientific explanation, scientific reduction and the unity of science, the interplay between theory and observation in science, the realism/anti-realism debate, objectivity of science, and the relationship between science and religion. PHL 101 is also recommended. Offered Fall.

PHL 335 Cr.3

Multicultural Philosophy in the United States (ES)

This survey course will examine philosophical ideas and systems that are generated from a wide range of cultural traditions found in the United States. The aim of this search will be to broaden and deepen understanding and appreciation of the diversities of philosophies in the United States. Offered Alternate Years.

PHL 336 Cr.3

International Multicultural Philosophy

This survey course will examine philosophical ideas and systems that are generated from a wide range of cultural traditions worldwide. The aim of this search will be to broaden and deepen our understanding and appreciation of the multiplicity of philosophical perspectives which are part of an increasingly diverse, interconnected, and globalized world. Prerequisite: PHL 100 or PHL 200. Offered Alternate Years.

PHL 337 Cr.3

Legal, Political, and Social Philosophy

An examination of philosophical issues concerning legal, political, and social structures. A discussion of philosophical accounts of the nature and justification of law and the state, of the relation of morality and the law, of the relation of morality and the state, and of the nature of legal-political obligation and responsibility. Philosophical accounts of justice, liberty, rights, and obligation and the relation of these topics to contemporary legal, political and social problems will be covered. Prerequisite: PHL 100 or PHL 200. Offered Alternate Years.

PHL 339 Cr.3

Medical Ethics

Examination of the principal moral problems that arise in the medical context including abortion, euthanasia, cloning, stem cells, human and animal experimentation, and the allocation of scarce medical resources. May only earn credit in PHL 339 or SOC 340. Offered Occasionally.

PHL 340 Cr.3

Business Ethics

Ethical issues in the conduct of business will be examined by focusing on case studies in business that raise ethical issues. A variety of ethical theories will be used to illuminate the ethical features of business decisions and their effects on employees and society. The goal is to improve ability to identify factors and considerations that can play a role in improving the ethical character of business. Offered Occasionally.

PHL 341 Cr.3

Environmental Ethics

Philosophical reflections on humanity's relationship to the natural world. The course will examine classic American perspectives (e.g. Leopold, transcendentalists), Asian perspectives, Native American perspectives, and contemporary environmental philosophies such as social ecology, deep ecology, and ecofeminism. Course discussions will include the historical roots of the contemporary environmental crisis, the development of a personal environmental philosophy, and the role of a citizen in advancing environmental awareness and responsible land and water use. Prerequisite: ENV 201 or PHL 100 or PHL 200. Offered Occasionally.

PHL 342 Cr.3

Philosophy of Love, Sex and Friendship

An examination into the nature of a variety of kinds of love including love of knowledge, love of friends, erotic love, and parental love. Philosophical consideration of topics such as the nature of desire, the politics of desire, sexual intercourse, adultery, monogamy, polygamy, homosexuality, and the obligations of friends as well as institutions of marriage and parenthood. Offered Alternate Years.

PHL 345 Cr.3

Latin American Philosophy

Introduction to the main questions in Latin American thought. Questions will be centered in epistemology, ethics, metaphysics and political philosophy. In particular, the focus will be on the interaction between Latin American thought (from pre-conquest to the present) and traditional Western European thought. Prerequisite: PHL 100 or PHL 200. Offered Occasionally.
PHL 349 Cr.3
Asian Philosophy
Introduction to the main questions in the Asian philosophical traditions. Questions will be centered in ethics, religion, epistemology, and metaphysics. Conceptual connections will be made with European and North American philosophical traditions. Offered Occasionally.

PHL 352 Cr.3
Confucianism and Daoism
This course will carefully follow the development of Chinese Confucian and Daoist philosophy from their ancient beginnings until present day. What we will discover is an impressively rich and diverse body of philosophical ideas. Topics considered are: human nature and self-actualization, what it means to know, the place of the human individual in society and the natural environment, the overarching issue of harmony, and how these ideas are and are not similar to ideas one finds in Western philosophy. Prerequisite: PHL 100. Offered Every Third Semester.

PHL 355 Cr.3
Philosophy and Film
An investigation into the philosophy of film and the philosophy within film. Topics may include personal identity, knowledge, technology, ideology, morality, emotions, and truth. Offered Alternate Years.

PHL 360 Cr.3
Zen Buddhism
This course will explore the development of Zen Buddhism through an analysis of Indian, Chinese, Japanese, and Korean texts. Themes we will discuss include the enlightenment experience, the nature of reality and knowledge, the student/teacher relationship, koan practice (i.e. "the sound of one hand clapping"), and the relationship of Zen Buddhism to ethics and aesthetics (poetry, painting, etc.). The course will make a point to situate Zen within the overall philosophical environment of China and Japan. Prerequisite: PHL 100 or PHL 200. Offered Alternate Years.

PHL 401 Cr.3
World Ethics
An investigation of major ethical problems facing the world as a whole from an international perspective, including world medicine, international economic relations, world environmental ethics, international individual rights issues, world diversity concerns, and international conflict and cooperation. Prerequisite: PHL 100 or PHL 200 or ANT/ECO/GE/HIS/POL/SOC 202. Both are highly recommended. Offered Occasionally.

PHL 425 Cr.3
Wilderness Philosophy
The intention of this course is to investigate the many different ways in which wilderness is defined and understood within environmental philosophy. The approach will be broad and will cover a variety of themes. Our desire is both to clarify the positive characteristics of the wilderness idea while also recognizing its significant flaws and hazards. The moral implications of the wilderness concept will be given special attention. A variety of different philosophical perspectives will be utilized. Prerequisite: ENV 201 or PHL 100. Offered Alternate Years.

PHL 431 Cr.3
Advanced Philosophy of Religion
Selected readings from recent scholarly journals and Medieval philosophy are the focus of the course and background for examination of topics such as: What justifies that a human can be God? Can God make a world permitting possible contradictions such as a world in which there is an unstoppable cannonball and an immovable lamppost? Exactly how do humans, persons and souls differ if they do? PHL 331 strongly recommended. Prerequisite: PHL 101. Offered Spring.

PHL 494 Cr.3
Advanced Topics in Philosophy
Study of a philosophical topic of special interest. Topics will vary according to the interests of students and the instructor. For the current content, consult the instructor or the department chair. No more than six credits in PHL 494, 495, and 497 are applicable to a philosophy major or minor. Repeatable for credit - maximum 6. Prerequisite: nine credits in philosophy and consent of department chair. This course is open to juniors and seniors. Consent of department. Offered Occasionally.

PHL 495 Cr.1-3
Individual Study in Philosophy
Directed reading and research under the supervision of an instructor. No more than six credits in PHL 494, 495, and 497 combined are applicable to a philosophy major or minor. Repeatable for credit - maximum six. Prerequisite: 12 hours in philosophy and consent of the philosophy department staff. Consent of department. Offered Fall, Spring.

PHL 496 Cr.3
Integrative Seminar
Integration of programmatic themes and methods in the major. May be taken for honors credit. Prerequisite: 18 credits including PHL 100 or PHL 200; PHL 101; PHL 201 or PHL 303; PHL 205; PHL 206. Offered Fall.

PHL 497 Cr.1-3
Apprenticeship in Philosophy
This course allows students to combine their individual talent and achievement with academically relevant experiential learning. This course will provide majors and minors in philosophy the opportunity for a variety of significant work, service, and leadership tasks related to philosophy. This is a hands-on course which complements and enhances other academic work. No more than six credits in PHL 300, PHL 494, PHL 495, and PHL 497 are applicable to a philosophy major. Repeatable for credit - maximum six. Prerequisite: open to all students with 18 credit hours in philosophy who are in good standing; consent of supervising instructor and department chair. Consent of instructor. Pass/Fail grading. Offered Fall, Spring.

Physics (PHY)
next to a course number indicates a general education course

Courses

+PHY 103 Cr.4
Fundamental Physics I
A broad theoretical and experimental introduction to the study of physics using the techniques of algebra and trigonometry. Topics covered are kinematics with constant acceleration, vectors, Newton’s laws of motion, circular motion, work, energy, momentum, rigid body motion, angular momentum, torque, oscillatory motion, gravitation, fluid mechanics, waves, resonance and sound. Additional topics may be selected from the area of thermodynamics. Wherever possible, applications to other fields of science such as chemistry, biology, and medicine will be discussed. Lect. 3, Lab. 2. Prerequisite: MTH 150 recommended. Offered Fall, Spring, Summer.
PHY 104 Cr.4

**Fundamental Physics II**
Continuation of PHY 103. Topics covered are electric forces and fields, electric potential, electrical circuit theory and applications, magnetic fields, electromagnetic induction, alternating current circuits, electromagnetic waves and the nature of light, lenses, mirrors, optical instruments, interference and diffraction of light, Einstein’s theory of relativity, and the photoelectric effect. Additional topics may be selected from the area of quantum physics. Wherever possible, applications to other fields of science such as chemistry, biology and medicine will be discussed. Lect. 3, Lab. 2. Prerequisite: MTH 150 and PHY 103 or PHY 203 recommended. Offered Fall, Spring, Summer.

PHY 106 Cr.4

**Physics for the Life Sciences**
An introductory study of physics concepts using algebra and trigonometry, primarily for life science and allied health students. Description of matter, motion, energy, thermodynamics, waves, light, electricity and topics in modern physics, with application to the life sciences. Lect. 3, Lab. 2. Prerequisite: elementary/middle level education major plan. Offered Fall, Spring.

PHY 125 Cr.4

**Physics for the Life Sciences**
A survey course focusing on applied physical science and the nature of scientific knowledge. Fundamental theories about the nature and interactions of matter and energy are developed using self-paced, small group, inquiry based teaching modules. The scientific knowledge developed is applied to issues of technology in society and everyday use situations. Emphasis is on modeling science teaching practices advocated by state and national science education standards using active learner practices. Lect. 3, Lab. 2. Prerequisite: MTH 150 strongly recommended. Offered Fall, Spring.

PHY 142 Cr.4

**Physics for the Life Sciences**
A broad theoretical and experimental introduction to the study of physics using the techniques of algebra, trigonometry and calculus. Topics covered are one-and two-dimensional kinematics, motion with varying acceleration, vectors, Newton’s laws of motion, circular motion, work, energy, center of mass, momentum, rigid body motion, moment of inertia, angular momentum and torque. Additional topics may include oscillatory motion and gravitation. Wherever possible, applications to other fields of science and engineering will be discussed. Lect. 3, Lab. 2. Prerequisite: MTH 207 or concurrent enrollment. Offered Fall.

PHY 204 Cr.4

**General Physics I**
Continuation of PHY 203. Topics covered are fluid mechanics, sound, electrostatics, electric forces and fields, electric flux, electric potential, capacitance, elementary electrical circuit theory and applications, electromagnetic waves and the nature of light. Wherever possible, applications to other fields of science and engineering will be discussed. Lect. 4, Disc. 1. Prerequisite: PHY 103 or PHY 203; MTH 208 or concurrent enrollment. Offered Spring.

PHY 203 Cr.4

**General Physics II**
Continuation of PHY 204. Topics covered are fluid mechanics, sound, electrostatics, electric forces and fields, electric flux, electric potential, capacitance, elementary electrical circuit theory and applications, magnetic fields, magnetic flux and electromagnetic induction. Additional topics may include Maxwell’s equations, alternating current circuits, electromagnetic waves and the nature of light. Wherever possible, applications to other fields of science and engineering will be discussed. Lect. 3, Lab. 2. Prerequisite: MTH 207 or concurrent enrollment. Offered Fall.

PHY 250 Cr.3

**Modern Physics**
The application of principles studied in fundamental or general physics to various areas of research and technology at the forefront of modern physical science. Topics include special relativity, origins of quantum mechanics, atomic spectroscopy, nuclear structure, and nuclear reactions. Select topics in heat, the laws of thermodynamics, kinetic theory, molecular spectroscopy, band theory of solids, semiconductors, and superconductors may also be included. Prerequisite: PHY 104 or PHY 204; MTH 208. Offered Spring.

PHY 302 Cr.3

**Optics**
The mathematics of wave motion (including mechanical waves and sound waves), electromagnetic theory, propagation of light, geometrical optics with emphasis on formation of images and aberrations, thick lenses, the superposition of waves, physical optics with emphasis on interference, diffraction, and polarization. Prerequisite: PHY 104 or PHY 204; MTH 208 or concurrent enrollment. Offered Fall.
PHY 311 Cr.2
Experimental Physics
Basic techniques of measurement used in all areas of physics and engineering. Selected experiments may include thin lens systems, spectrometers, microwave optics, interference and diffraction, aberrations, interferometers, thin films, polarization, speed of light, charge-to-mass ratio of an electron, electron spin resonance, quantization of energy states, and radioactive decay. Computational techniques include error analysis, graphing and curve fitting. Lab. 4. Prerequisite: PHY 104 or PHY 204; MTH 208 or concurrent enrollment. PHY 311 is recommended to be taken concurrently with either PHY 302 or PHY 250. Offered Fall, Spring.

PHY 320 Cr.3
Statics
Principles of statics and free-body diagrams with applications to simple trusses, frames, and machines. Includes topics in force/movement vectors, resultants, distributed loads, internal forces in beams, properties of areas, moments of inertia and the laws of friction. Prerequisite: PHY 103 or PHY 203; MTH 208 or concurrent enrollment. Offered Fall.

PHY 321 Cr.3
Classical Mechanics
Rigorous mathematical development of classical dynamics using vector calculus. Dynamics of a single particle, oscillations, noninertial frames, central potentials, energy/momentum methods, systems of particles, collisions and plane motion of rigid bodies. Prerequisite: PHY 103 or PHY 203; MTH 310. Offered Fall.

PHY 332 Cr.3
Electrodynamics
Fundamental concepts such as vector fields and vector operators, dipole and multipole fields, current distributions and the field quantities which describe surrounding conditions. Solution of Laplace’s and Poisson’s equations for given sets of boundary conditions. Recognition and use of mathematical abstractions of the fundamental nature of the electromagnetic field. The course culminates with Maxwell’s Equations, the fundamental set of four equations in classical physics which govern the behavior of electric and magnetic fields and their interactions with matter. Prerequisite: PHY 104 or PHY 204; MTH 310; PHY 311 recommended. Offered Spring.

PHY 334 Cr.3
Electrical Circuits
Physical principles underlying modeling of circuit elements and fundamentals of analog electrical circuits are explored through lecture and laboratory. Topics will include the following: current and voltage sources, resistors, I-V characteristics, Ohm’s Law, Kirchoff’s Laws, capacitors, inductors; Thevenin and Norton theorems; circuits in sinusoidal steady state; diodes, transistors (bipolar junction and field-effect); op-amps; and elementary amplifier circuits. Lect. 2, Lab. 2. Prerequisite: PHY 104 or PHY 204; MTH 208; PHY 311 recommended. Offered Spring.

PHY 335 Cr.4
Electronics
This course expands upon the topics covered in PHY 334. Analog circuits are treated in greater detail, including circuit analysis, follower circuits, and operational and transistor amplifiers. Additional analog topics include transistor limitations, comparators, and oscillators. Lectures and laboratories are expanded to include digital electronics, electronic devices and applications. Digital topics include digital circuits, digital logic, flip flops, counter, memory, A/D and D/A conversion. Additional topics may include arithmetic units and microprocessors. Lect. 3, Lab. 3. Prerequisite: PHY 334. Offered Fall.

PHY 343 Cr.3
Thermodynamics
This course emphasizes basic concepts of thermodynamics, beginning with fundamentals such as temperature, thermal expansion, heat flow, and calorimetry. State equations, tables, and diagrams are used to describe the properties of pure substances. The First and Second Laws of Thermodynamics are investigated, with applications to energy, enthalpy and entropy. Gas, vapor, and combined power cycles are studied, along with refrigeration cycles. Gas mixtures and gas-vapor mixtures, with applications to air conditioning and psychrometrics also are studied. Additional topics may include the thermodynamics of chemical reactions, and statistical thermodynamics. Prerequisite: PHY 250; MTH 208; PHY 311 recommended. Offered Spring.

BIO/CHM/PHY 356 Cr.2
Curriculum and Assessment in Math and Science
Student are introduced to state and national content standards and related theories on teaching and learning. They will apply this knowledge to develop a curricular framework. Topics will include: Learning outcomes, student misconceptions, balanced assessment, and lesson planning in the content areas. Prerequisite: declared math or science education major/minor; admission to teacher education. Offered Fall.

AST/PHY 362 Cr.3
Astrophysics
The application of principles studied in fundamental or general physics to various areas of astrophysical research. This course will emphasize topics like binary stars, stellar structure and evolution, the solar neutrino problem, white dwarfs, neutron stars, pulsars, the interstellar medium, galaxies and dark matter. Prerequisite: PHY 250, PHY 302; PHY/AST 155 or PHY/AST 160; MTH 310 or concurrent enrollment. (Cross-listed with AST/PHY; may only earn credit in one department.) Offered Alternate Years.

AST/PHY 363 Cr.1
Astrophysics Laboratory
An introduction to current observational techniques in astronomy and astrophysics. Students will learn the basics of planning professional observations, electronic detection, data acquisition and reduction, and analysis of results. Concerns for both imaging and spectroscopy will be incorporated, as well as aspects of multi-wavelength astronomy. Lab 3. Prerequisite: PHY 104 or PHY 204; MTH 151; PHY/AST 155 or PHY/AST 160. (Cross-listed with AST/PHY; may only earn credit in one department.) Offered Alternate Years.

PHY 374 Cr.4
Computational Physics
This course is an introduction to computational physics using MatLab. Students will learn the fundamentals of applying numerical and graphical methods to a variety of physics topics ranging from mechanics, optics, electrodynamics, thermodynamics, and quantum mechanics. Lect. 3, Lab. 3. Prerequisite: PHY 104 or PHY 204; MTH 209 or concurrent enrollment; PHY 311 or prior experience with MatLab recommended. Offered Occasionally.

PHY 376 Cr.3
Introduction to Nuclear Science
An introduction to the structure and properties of atomic nuclei. This course will explore the production of ionizing radiation, its interactions with matter, and the instrumentation used to detect it. While all types of ionizing radiation will be studied, particular emphasis will be placed on X- and gamma-rays. Special topics related to the use of radiation in health care also will be covered. Prerequisite: MTH 150; one year of general physics or general chemistry. Students may not earn credit in both PHY 376 and PHY 386. Offered Fall.
**PHY 386 Cr.3**  
**Radiation Physics**  
This course, building on knowledge of basic physics, explores the area of radiation physics. Characteristics of x and gamma rays are described as well as their interactions in air and matter. The principles involved in the production of radiation are investigated. Methods and instrumentation of measurement of radiation are also covered. Prerequisite: MTH 150; PHY 104 or PHY 125; CHM 104. While designed for radiation therapy majors, the course is open to other students who have met the prerequisite. Students may not earn credit in both PHY 376 and PHY 386. Offered Fall.

**PHY 401 Cr.3**  
**Quantum Mechanics**  
A comprehensive treatment of the modern theory of quantum mechanics, including Schrödinger equation, operators, free particles, particles in potentials, harmonic oscillator, angular momentum, and the hydrogen atom. The course includes the use of Fourier analysis and eigenvalue equations. Prerequisite: PHY 250; MTH 309; MTH 310. Offered Spring.

**PHY 411 Cr.1**  
**Advanced Experimental Physics**  
This course will cover advanced experimental methods and techniques often encountered in research laboratories. Selected experiments may include x-ray diffraction, elemental and vibrational spectroscopy, microscopy, optical and electrical property measurements, material fabrication techniques, vacuum systems, and experimental apparatus fabrication. Computational techniques may include automated control, error analysis, graphing and curve fitting using LABVIEW and Python. Lab 3. Prerequisite: PHY 250, PHY 311; MTH 310. Concurrent registration in MTH 309 recommended. Offered Occasionally.

**PHY 421 Cr.3**  
**Advanced Mechanics**  
Continuation of PHY 321 covering advanced topics in classical and statistical mechanics. Topics include the Lagrangian and Hamiltonian formulations of mechanics, phase space and Liouville's equations; coupled oscillations, normal modes, continuous systems, and wave motion. In statistical mechanics, topics include kinetic theory, ensemble representations, partition functions, and classical/quantum statistics. Prerequisite: MTH 309, MTH 310, MTH 321. Offered Occasionally.

**PHY 423 Cr.3**  
**Biomechanics of Human Movement**  
This course will provide a description of biological tissue properties, skeletal and joint mechanics, muscle mechanics, neurological influences related to movement. Kinematics, kinetics, static and dynamic modeling of the human body will be studied and will require problem solving. The principles of the biomechanics theory associated with human movement are presented to introduce and develop an understanding of the mechanical complexity of biological systems and movement performance. Methods and instruments of measurement (electromyography, force/pressure transducers, motion analysis and isokinetic dynamometers) in biomechanic research. Prerequisite: PHY 103 or PHY 203; MTH 309; BIO 312. Offered Fall.

**PHY 432 Cr.3**  
**Advanced Electrodynamics**  
This is a detailed course covering advanced topics in electricity and magnetism. Emphasis will be placed upon general, non-static electrodynamics, building upon the static cases studied in detail in PHY 332. Topics will include detailed analysis of radiation, field transformations and kinematics in Einstein's Special Theory of Relativity, dispersion, wave guides, and Lienard-Wiechert potentials. The mathematical tools for studying these phenomena will include differential equations, vector and tensor analysis, Fourier analysis, and complex analysis. Prerequisite: PHY 332; MTH 353 or concurrent enrollment. PHY 302 recommended. Offered Occasionally.

**AST/PHY 450/550 Cr.3-15**  
**Physics and Astronomy Internship**  
Full- or part-time work experience in a physics or astronomy related position with a public or private agency. Not more than five credits are applicable to a major or three credits in a minor in physics. A written application, departmental acceptance, and appointment of adviser must be completed before registration. Prerequisite: minimum cumulative GPA of 2.25 (2.50 in physics); PHY 104 or PHY 204 plus 6 credits in physics or astronomy courses above the 204 level; junior standing. (Cross-listed with PHY/AST; may only earn credit in one department.) Consent of department. Offered Occasionally.

**AST/PHY 453/553 Cr.1-3**  
**Topics in Physics and Astronomy**  
Various subjects of interest to specific groups will be on occasion. Specific subtopics will be assigned each time the course is offered. Such titles might include nuclear physics, low temperature physics and the interstellar medium. Repeatable for credit under different subtitles—maximum 12 credits. Prerequisite: PHY 104 or PHY 204; junior standing. (Cross-listed with PHY/AST; may only earn credit in one department.) Offered Fall, Spring, Summer.

**PHY 460 Cr.3**  
**Condensed Matter Physics**  
This course will include such topics as crystal structure, electrical conductivity, insulators, free electron Fermi gases, energy bands, semiconductors, superconductivity, dielectrics, and ferroelectric crystals. Magnetic phenomena such as diamagnetism, paramagnetism and ferromagnetism will also be studied. Prerequisite: PHY 250; MTH 310. Offered Occasionally.

**MTH/PHY 461 Cr.3**  
**Mathematical Physics**  
In depth study of topics from vector analysis, Fourier analysis and special functions with emphasis on modeling physical phenomena involving conservative fields, fluid flow, heat conduction, and wave motion. MTH 461 may be counted towards both a MTH and PHY major. Prerequisite: grade of "C" or better in MTH 353. (Cross-listed with MTH/PHY; may only earn credit in one department.) Offered Spring - Odd Numbered Years.

**AST/PHY 466 Cr.3**  
**Cosmology and the Structure of The Universe**  
This course will emphasize topics relating to the history of our universe, from the Big Bang to galaxy evolution and the formation of the structures we see today. Students will study the cosmological distance ladder, black holes in galaxies, galaxy clusters, dark matter, the Big Bang model, the inflationary model, and the cosmological constant. The course will also include aspects of special and general relativity relevant to these subjects. Prerequisite: AST 160, PHY 250, PHY 302; MTH 309 or concurrent enrollment; MTH 310 or concurrent enrollment. (Cross-listed with PHY/AST; may only earn credit in one department.) Offered Alternate Years.
BIO/CHM/PHY 469 Cr.4
Teaching and Learning Science in the Secondary School
This course will be integrated with a field experience. In the context of a real classroom, teacher candidates will learn how to plan for and assess student learning in science. With a focus on content knowledge, teacher candidates will plan a variety of meaningful learning experiences, assess student learning, and monitor and modify instruction to best support the individual learners in the classroom. The teacher candidate will design, enact, and assess activities that advance student understanding to more complex levels. Teacher candidates will gain experience in monitoring the obstacles and barriers that some students or groups of students face in school and learn how to design learning experiences to support all learners. Prerequisite: GEO 200; EDS 351. Offered Fall, Spring.

PHY 470 Cr.3
Advanced Quantum Mechanics
Continuation of PHY 401. Topics include spin, addition of angular momenta, multi-particle wave functions, identical particles, Bose and Fermi distributions, band theory, time independent and time dependent perturbation theory, spontaneous emission, and scattering theory. Prerequisite: PHY 401. Offered Occasionally.

PHY 472 Cr.3
Particle Physics
An introduction to the exciting field of modern elementary particles. Topics will include Feynman diagrams, quantum electrodynamics, quantum chromodynamics, weak interaction theory, quarks, leptons, intermediate vector bosons, and group theoretical formulations of modern gauge theories. Current ideas concerning grand unified theories, supersymmetry, superstring theory and particle astrophysics also will be discussed. Prerequisite: PHY 401; MTH 310. Offered Occasionally.

PHY 474 Cr.4
Advanced Computational Physics
In-depth study of advanced computational techniques using the programming language Java. Programming topics will include File IO, graphics and animation, multi-threaded programs, applets and Web pages. Numerical techniques will include root-searches, numerical integration, eigenvalue equations, differential equations, and Monte Carlo Metropolis simulations on advanced physics topics drawn from mechanics, thermodynamics, optics, quantum mechanics, and chaos theory. Lect. 3, Lab. 3. Prerequisite: PHY 374; CS 120. Offered Occasionally.

PHY 476 Cr.4
Advanced Optics
This course involves both theoretical and experimental work in a variety of topics in modern optics, including electromagnetic theory, laser, Gaussian beams, optical resonators and the ABCD rule, Fourier optics, nonlinear optics, detectors and color. Lect. 3, Lab. 3. Prerequisite: PHY 302; PHY 332 or concurrent enrollment. Offered Occasionally.

PHY 483 Cr.3
Instrumentation in Biomechanics
Theory and use of instrumentation related to the study of the clinical biomechanics and research. Students will develop skills and experience necessary for data collection in a laboratory. Topics will include methods of data acquisition using force and pressure sensors, electromyography (EMG). Methods of signal processing (filtering and post-processing), analyzing, and interpreting data will be explained and performed through laboratory exercises. Laboratory time will be available to collect and process data relative to each laboratory instrument. Clinical EMG and electrical testing of nerves and posturography will also be explained. Lect. 2, Lab. 2. Prerequisite: PHY 423. Offered Summer.

PHY 491 Cr.1
Capstone in Physics
A senior level course specifically designed for physics majors to review and discuss basic concepts relevant to the physical sciences, and to assess their major in physics. Students will present seminars to physics faculty based on current physics research articles, and also communicate physics concepts to a general audience in a written format. Students are expected to participate in discussions on current developments in the physical sciences, and be actively engaged in the assessment of their major program. Prerequisite: senior standing; physics major plan. Consent of instructor. Offered Spring.

AST/PHY 497 Cr.1
Physics and Astronomy Seminar
This seminar series is intended for majors and minors in the department of physics as well as other students interested in physics, engineering and astronomy. It will consist of a series of talks given by visiting scientists and engineers as well as senior research students. The course provides an excellent opportunity to find out about the latest developments in physics, astronomy, and engineering and provides an excellent medium by which students can get to know each other and also their professors. All physics majors and minors are urged to sign up for this seminar each semester of their first year. Repeatable for credit—maximum four credits; a maximum of two credits can be used to satisfy elective requirements. (Cross-listed with PHY/AST, may only earn credit in one department.) Pass/Fail grading. Offered Fall, Spring.

AST/PHY 498 Cr.1-3
Physics and Astronomy Research
Independent work by a student under the supervision of a faculty member. Students can work on a variety of research projects including, but not limited to, the areas of astronomy, condensed matter, computational physics, physics education, low temperature physics, lasers, optics and spectroscopy. Repeatable for credit—maximum nine credits, with permission of department chair. (Cross-listed with PHY/AST, may only earn credit in one department.) Consent of department. Offered Fall, Spring, Summer.

Political Science (POL)
+ next to a course number indicates a general education course

Courses

POL 101 Cr.3
American National Government
An introduction to the underlying principles and values, administrative and political decision-making processes, and institutions of American national government in an international context utilizing a comparative approach. The course includes discussion, analysis and development of critical thinking skills related to public policy-making problems and current issues. The course emphasizes the development of intellectual skills associated with an informed, involved and active citizenry. Offered Fall, Spring, Summer.
POL 101 Cr.3
State and Local Government
An introduction to the underlying principles of federalism and focus on the new increasing decentralization of government program responsibilities to subnational governments in the United States. This is complemented by a comparison of the complex cultural, economic and intergovernmental settings of subnational governments. Students consider the implications of different environments for citizen participation, government characteristics, policy processes, and values associated with policy outcomes. The course emphasizes constructive citizenship in an environment where subnational governments will increasingly affect their lives. Offered Fall, Spring.

POL 201 Cr.3
Introduction to Political Science
A general introduction to areas of study in political science. Basic concepts and approaches to the study of politics will be applied to current events. Offered Fall.

POL 202 Cr.3
Contemporary Global Issues
This course offers a contemporary multi-disciplinary perspective regarding the major issues and trends confronting the global society in the 21st century. Emphasis will be given to a critical review and assessment of the origin and present condition of the plethora of situations and problems affecting modern global society. The student will also learn to critically evaluate current and future events. The course will incorporate the views and approaches of the following disciplines: sociology/anthropology, economics, geography, political science, and history. (Cross-listed with ANT/ECO/GEO/HIS/POL/SOC 202; may only earn credit in one department.) Offered Fall, Spring.

POL 205 Cr.3
Women and Politics (ES)
An examination of the positions and roles of women in the political arena. This course discusses the nature and extent of women’s political involvement, both in the United States and abroad, with particular emphasis on the cultural and racial diversity of women political participants in the United States. Additional topics will include the legal status of women, differences between male and female political behavior, factors that influence women’s political participation and current political issues related to women. Offered Annually.

POL 211 Cr.3
Introduction to Public Administration
An introduction to the principles of bureaucracy, decision-making organization theory, individual and group behavior, personnel and budgetary policies, and the regulatory process within public agencies at all levels of government in the United States. Prerequisite: POL 101 or POL 102. Offered Fall, Spring.

POL 215 Cr.3
Politics and Film
An investigation of the political messages and themes represented in popular films. The course aims to understand the use of film as a form of political communication, examine the politics of specific films, and consider what they reflect and communicate about the political world. Emphasis will be placed on developing the critical thinking and literacy skills necessary to interpret and analyze films for their political meanings and implications. Offered Annually.

POL 221 Cr.3
The American Legal System
An introductory survey of the American legal system in operation; utilizing case materials, class discussion, and hypothetical conflict situations to illustrate and study the range of problems, proceedings, actions, and remedies encountered. Offered Annually.

POL 222 Cr.3
Law, Governance and Politics
An examination of the numerous factors and influences acting upon and within the formal legal process, including: judicial interpretations and statutes and constitutions, litigation as a political strategy, legislation and litigation as an instrument of social change, law as a system of values, and law as a mechanism of political power and oppression. Prerequisite: POL 101 or POL 102. Offered Occasionally.

POL 234 Cr.3
Comparative Political Systems
The course is devoted to the comparison and the critical analysis of selected topical global societies and regions. A general comparative framework will be utilized to develop a critical assessment of a representative sample of developed and developing contemporary societies. Emphasis will be given to a comparative study of institutions and their functions, various administrative and decision-making processes, and contemporary problems and issues. Finally, implications in the 21st century will also be discussed. Offered Fall.

POL 244 Cr.3
Global Political Systems
An introduction to the study of international relations and global politics. The course introduces both the concepts, like anarchy, states, and non-state actors, and the perspectives, like realism and liberalism, that are commonly used to assess areas like global conflict and security, the politics of globalization, and transnational political issues. Offered Spring.

POL 250 Cr.1-2
Leadership and Engagement
Introduces students to the benefits and obligations of being active participants in campus governance, and engaged citizens in their communities. Open to any university student who serves in the UW-L Student Association, Student Senate, Residence Hall Association Council, or is a resident of the service-learning community on campus. Repeatable for credit -- maximum four. Pass/Fail grading. Offered Fall, Spring.

POL 251 Cr.3
Justice, Power, and Politics
An introduction to consequential ideas in political philosophy, including justice, power, freedom, equality, and democracy. The course provides a foundation for understanding the philosophical assumptions and arguments across a range of significant political questions, and investigates the intellectual roots of historical and contemporary political ideas. The course emphasizes the development of intellectual skills needed to analyze political arguments, and highlights the practical implications of answering theoretical questions about politics. Offered Fall, Spring.

POL 300 Cr.3
Urban Politics
An in-depth analysis of the forms, functions, and problems of urban governments with special attention to metropolitan areas. Field work and the materials of contemporary urban politics will be used. Prerequisite: POL 101 or POL 102. Offered Annually.

POL 301 Cr.3
American Presidency
The American Presidency will emphasize the development of the office, selection and institutional relations with Congress coupled with an assessment of presidential power in the modern era in domestic and foreign policy making. Prerequisite: POL 101 or POL 102. Offered Annually.
POL 302 Cr.3  
**Legislative Process**  
Study of the organizations and behavior of legislatures and their membership at both the national and state levels. Legislative influence on the administration of the law and effect of pressure groups on the legislative process will also be studied. Prerequisite: POL 101 or POL 102. Offered Annually.

POL 303 Cr.3  
**Wisconsin Government and Politics**  
An in-depth study of the governmental institutions and political system in the State of Wisconsin. Included are an examination of Wisconsin political parties, interest groups, and electoral behavior as well as institutions such as the state legislature, judiciary, governmental structures and administration. Both state and local aspects are discussed. Prerequisite: POL 101 or POL 102. Offered Occasionally.

POL 304 Cr.3  
**Politics and the Media**  
A critical examination of the media in its capacity as the 4th Estate. The course will assess the special relationship that has evolved and its implication for American democracy. Special topics to be examined include: role of the media in the democratic process, limits on the media, the role of bias and opinion, the impact of distortion and propaganda, the media and the electoral process, the media’s role in creating news events, and an examination of the media/political relationship in other political systems. Prerequisite: POL 101 or POL 102. Offered Annually.

POL 305 Cr.3  
**Political Parties**  
An analysis of political parties and their role in the American political system. Organization, principles and practices of parties are discussed. Prerequisite: POL 101 or POL 102. Offered Annually.

POL 306 Cr.3  
**Judicial Process**  
A detailed examination of the participants in American courts and the procedures encountered by litigants at different stages in the judicial hierarchy. Among the topics covered are the role of juries and grand juries, plea bargaining, and the manner in which judges attempt to decide cases. Prerequisite: POL 101 or POL 102 or POL 221. Offered Annually.

POL 307 Cr.3  
**Political Language and Communications**  
A critical examination of the language of politics and power in American society, including how political language shapes perceptions and understandings about government and politics; deception as a method of governance; symbolism, ideology, popular political culture and campaign rhetoric as sources of political power. Prerequisite: POL 101 or POL 102. Offered Annually.

POL 311 Cr.3  
**Public Personnel Administration**  
The study of principles and problems of public personnel management and behavior. Prerequisite: POL 211. Offered Alternate Years.

POL 312 Cr.3  
**Public Budgeting and Finance**  
An examination of the public budgetary process. Included are studies of the various approaches to taxation, decision-making and policy evaluation. Prerequisite: POL 211. Offered Fall.

POL 313 Cr.3  
**Public Policy**  
An intensive, in-depth analysis of selected public policies — their development, administration, effects and relationship to the broader political system from the perspectives of the policy maker and policy analyst. Prerequisite: POL 101 or POL 102. Offered Annually.

POL 314 Cr.3  
**Urban Administration and Politics**  
An examination of the politics and policy problems facing urban administrators. Emphasis will be placed on policy formulation and implementation, particularly the systematic approaches to urban service delivery. Prerequisite: POL 211. Offered Alternate Years.

POL 315 Cr.3  
**Special Topics in Public Administration**  
An introduction and study of selected topics in public administration. Local officials, visiting lecturers, or persons specializing in a particular sub-area of public administration will be invited to present a course focusing on a particular topic. To be on an ad hoc basis. Repeatable for credit — maximum 6. Prerequisite: POL 211. Offered Occasionally.

POL 316 Cr.3  
**Ethics Management in Government**  
The course will include: an introduction to ethics management; a discussion of the U.S. Constitutional and administrative environment in which officials carry out their duties; descriptions and assessments of the tools available to elected and appointed officials who are committed to building ethical organizations; a review of existing ethics management programs in American cities and counties; and a review of legislative and administrative measures taken by Congress, presidents, the judiciary, and the fifty states to foster ethical governance. Prerequisite: POL 211. Offered Alternate Years.

POL 317 Cr.3  
**Health Policy**  
An intensive, in-depth analysis of health policies — their development, administration, effects and relationship to the broader political system. The perspectives of the policy maker and public policy analyst are emphasized. Prerequisite: POL 101 or POL 102. Offered Annually.

POL 318 Cr.3  
**Environmental Politics and Policymaking**  
An in-depth exploration of environmental politics and policy making beginning with American environmentalism in the 1960s and concluding with global environmental politics in the 21st century. Environmental issues, ethics, institutional problems, philosophical approaches, economic analyses and implementation problems will be studied. Prerequisite: POL 101 or POL 102. Offered Annually.

POL 326 Cr.3  
**Mock Trial I: Trial Advocacy**  
Mock Trial is part of an intercollegiate competition run by the American Mock Trial Association. The class consists of two parts: Mock Trial I covers trial skills (opening statements, direct examination, cross-examination, and closing arguments) and modified evidentiary objections. Students will participate as lawyers and witnesses in practice trial problems and in the Tournament trial case. Regular classroom participation and a trial book will be required. Repeatable for credit — maximum 6. Offered Fall.

POL 329 Cr.2  
**Mock Trial II: Preparation**  
Mock Trial II is an intense period of preparation before the Competition itself. The Team will compete at a Regional Tournament and, if successful, the Intercollegiate National Championship. Individual Team members will compete for ‘All American’ honors. Repeatable for credit - maximum 4. Prerequisite: POL 326. Offered Spring.
POL 330 Cr.3
Politics of Developing Areas
An introduction to a wide range of issues and problems impacting political development in developing nations. The focus is on political systems of selected countries, the relationships between political processes and other aspects of development and on the factors which accelerate or impede development. Prerequisite: POL 101 or POL 102 or POL 234 or ANT/ECO/GEO/HIS/POL/SOC 202. Offered Occasionally.

POL 331 Cr.3
Politics of Democratization
An examination of the processes by which countries attempt to transition from authoritarian to democratic forms of government, along with the political, economic, social, and historical factors related to their potential for success or failure. The course focuses on both theoretical explanations and empirical outcomes across a diverse set of cases from around the world. Prerequisite: POL 101 or POL 234 or ANT/ECO/GEO/HIS/POL/SOC 202. Offered Annually.

POL 333 Cr.3
Asian Government and Politics
Comparison and analysis of contemporary governments and politics of the major Asian nations such as Japan, China, and India as well as the Philippines, Korea, Pakistan, Indonesia, and Vietnam. Prerequisite: POL 101 or POL 102 or POL 234 or ANT/ECO/GEO/HIS/POL/SOC 202. Offered Occasionally.

POL 334 Cr.3
Post-Communist Politics
An examination of the politics of the countries of the former Soviet Union and Eastern Europe. The course evaluates the historical break with communism and subsequent political, economic, and social transformations across the region. It also investigates theoretical and empirical reasons for these countries' divergent political and economic outcomes. Prerequisite: POL 101 or POL 234 or ANT/ECO/GEO/HIS/POL/SOC 202. Offered Annually.

POL 336 Cr.3
Middle Eastern Government and Politics
An examination of Middle Eastern political systems and practices. General topics covered will include: political institutions, electoral practices, political parties, policy formation, leadership selection and critical contemporary issues. Prerequisite: POL 101 or POL 102 or POL 234 or ANT/ECO/GEO/HIS/POL/SOC 202. Offered Occasionally.

POL 337 Cr.3
African Government and Politics
A study of political evolution and practice on the African continent. Emphasis will be given to a regional assessment of political behavior as well as the impact of current problems on selected countries. Special focus will be given to contemporary issues and developments. Prerequisite: POL 101 or POL 102 or POL 234 or ANT/ECO/GEO/HIS/POL/SOC 202. Offered Occasionally.

POL 338 Cr.3
European Government and Politics
An examination of the governments and politics of European countries and the European Union. The course surveys the domestic institutions and politics of a variety of European countries, with special emphasis placed on the United Kingdom, Germany, and France. It also examines the origins and evolution of the European Union, with particular attention given to contemporary political challenges facing the EU and its member countries. Prerequisite: POL 101 or POL 234 or ANT/ECO/GEO/HIS/POL/SOC/HIS 202. Offered Annually.

POL 339 Cr.3
Contemporary Latin America
An examination of the historical interplay between cultural and developmental factors in the politics of Latin America. Issues of development and underdevelopment are examined and related to regional and international political forces. Prerequisite: POL 101 or POL 102 or POL 234 or ANT/ECO/GEO/HIS/POL/SOC 202 or SOC 110 or SOC 120 or SOC 200 or ANT 203. Offered Occasionally.

POL 340 Cr.3
American Foreign Policy
Examines the decision-making and institutional processes related to the formulation and execution of American foreign policy. The course evaluates the role of actors and institutions both inside and outside of the government to assess their impact on the ability of the United States to contend with contemporary and future foreign policy challenges. Prerequisite: POL 101 or POL 244 or ANT/ECO/GEO/HIS/POL/SOC 202. Offered Annually.

POL 341 Cr.3
America and the World
An examination of contemporary geopolitical and transnational challenges facing the United States. The course draws on both theoretical and historical debates regarding the nature of American foreign policy to evaluate its current and future potential in accomplishing its goals to address key bilateral and multilateral issues. Prerequisite: POL 101 or POL 244 or ANT/ECO/GEO/HIS/POL/SOC 202. Offered Occasionally.

POL 342 Cr.3
Identity Politics
Examines the role various identities, such as class and race, play in shaping who gets what, when, and how from the political system. The course draws on theoretical and historical debates to evaluate the political, social, psychological, and economic implications of processes like socialization and mobilization to explain participation and voting behavior by different groups in society. Offered Occasionally.

POL 344 Cr.3
Politics of Global Governance
Examines the various actors and institutions closely linked to the processes of global governance in a world that lacks a global government. The course evaluates the role of intergovernmental organizations, states, and non-state actors in the complex areas of governance that have emerged to address challenges like global conflict and security, the politics of globalization, and transnational political issues. Prerequisite: POL 244 or ANT/ECO/GEO/POL/SOC/HIS 202. Offered Annually.

POL 345 Cr.3
International Law
An examination of international law that explores both its evolution and function in contemporary global politics. The course draws on both theoretical and historical debates about the nature of international law to assess its current and future potential for addressing global challenges. Prerequisite: POL 221 or POL 244 or ANT/ECO/GEO/POL/SOC/HIS 202. Offered Occasionally.

POL 346 Cr.3
Model UN: The United Nations System
An introduction to the United Nations and the UN System, which also includes participation in a regional or national Model United Nations conference. The course examines the aims, structure, and processes of the United Nations and specialized UN agencies, programs and other groups. Emphasis each semester will be placed on countries and issues relevant to the conference agenda. Offered Annually.
POL 350 Cr.3
American Political Philosophy
The history and development of American political thought, with attention to the thinkers and themes influential to institutions, ideologies, and controversies in American politics. The course will analyze the ideas and principles upon which the United States was founded, and critically assess their application and realization. Prerequisite: POL 101 or POL 102 or POL 251. Offered Occasionally.

POL 351 Cr.3
Classical Political Philosophy
The foundations of political theory from the ancient Greeks to the early modern social contract theorists. The course analyzes leading political theorists in their historical contexts, and evaluates their ideas according to the preceding tradition of political theory and their implications for political thought and practice. The survey includes studying the work of philosophers including: Hobbes, Locke, Rousseau, and Foucault. Prerequisite: POL 101 or POL 102 or POL 251. Offered Occasionally.

POL 353 Cr.3
Modern and Contemporary Political Philosophy
The development of political theory from the 17th Century to the present. The course will analyze leading political theorists in their historical contexts, and evaluate ideas according to the preceding tradition of political theory and their implications for political thought and practice. The survey includes studying the work of philosophers including: Hobbes, Locke, Rousseau, Kant, Hegel, Marx, Burke, Mill, Nietzsche, and Foucault. Prerequisite: POL 101 or POL 102 or POL 251. Offered Occasionally.

POL 355 Cr.3
Political Ideologies
A survey of the ideas and implications of political ideologies that have impacted consciousness and behavior in the 20th and 21st Centuries. Topics include liberalism, conservatism, capitalism, communism, socialism, fascism, anarchism, multiculturalism, and feminism. Prerequisite: POL 101 or POL 102 or POL 251. Offered Occasionally.

POL 361 Cr.3
Research Methods in Politics and Government
An analysis of politics, public policy and government administration utilizing contemporary research methods. Special emphasis is placed on the scientific method and the basic elements of research, research design, measurement, and data analysis utilizing statistical software. Prerequisite: POL 101 or POL 102; MTH 145; six additional credits in political science. Offered Fall, Spring.

POL 365 Cr.3
Public Opinion and Political Behavior
Political science as a ‘behavioral science.’ A study of human attitudes and behaviors in political situations and the techniques for observing, measuring and classifying them. Prerequisite: POL 101 or POL 102. Offered Annually.

POL 370 Cr.3
Constitutional Law I: Powers of Government
An examination of the United States Constitution, and the role of the judiciary in elaborating its fundamental principles: Judicial Review, the Federal System, the range of National Power, and Presidential-Congressional relations. Prerequisite: POL 101 or POL 102 or POL 221. Offered Alternate Years.

POL 371 Cr.3
Constitutional Law II: The First Amendment
The First Amendment protects freedom of speech, press, religion and assembly. This course will carefully examine U.S. Supreme Court opinions in these areas. Among the topics to be covered are the constitutional relationship between speech and conduct, separation of religion and government, definition of obscenity and pornography, and the latitude available to those who use the media and newspapers to communicate ideas. Prerequisite: POL 101 or POL 102 or POL 221. Offered Alternate Years.

POL 372 Cr.3
Constitutional Law III: Racial, Gender and Targeted Group Discrimination
A careful examination of U.S. Supreme Court rulings on racial and gender discrimination. Prerequisite: POL 101 or POL 102 or POL 221. Offered Alternate Years.

POL 373 Cr.3
Constitutional Law IV: Rights of the Accused
In recent years the U.S. Supreme Court has issued a large number of opinions dealing with the rights of the accused. This subject is primarily addressed in the 4th, 5th and 6th amendments. This course will examine Court rulings in the areas of police searches and arrests, coercion in criminal proceedings, empaneling and deliberation of juries, right to counsel, and the protection against self-incrimination. Prerequisite: POL 101 or POL 102 or POL 221. Offered Alternate Years.

POL 374 Cr.3
Constitutional Law V: Right to Life
A careful examination of the U.S. Supreme Court’s opinions on capital punishment, abortion, and mercy killing, as well as other issues affecting the constitutional right to life. Prerequisite: POL 101 or POL 102 or POL 221; two courses from POL 370, POL 371, POL 372, POL 373, POL 375, POL 376, POL 377. Offered Alternate Years.

POL 375 Cr.3
Constitutional Law VI: Criminal Procedure
This course will carefully examine criminal procedure as interpreted in U.S. Supreme Court rulings pertaining to the 5th and 6th Amendments. Among the topics to be covered are protection against self-incrimination and double jeopardy, trial by jury, plea bargaining, right to counsel, and due process in the courtroom. Prerequisite: POL 101 or POL 102 or POL 221. Offered Alternate Years.

POL 376 Cr.3
Constitutional Law VII: Administrative Law
An introduction to the field of administrative regulation in the United States and its relation to the constitutional foundations, the political structures and the policies of our various governmental units. Prerequisite: POL 101 or POL 102 or POL 211 or POL 221. Offered Alternate Years.

POL 377 Cr.3
Constitutional Law VIII: 1787 and Original Intent
The central inquiry in Constitutional Law, and the question which most guides the U.S. Supreme Court, is whether the intentions of the Framers of 1787 should exclusively direct justices in interpreting constitutional provisions, or if it is necessary to adjudicate cases in light of changing legal and social circumstances not known to members of the Philadelphia Convention. We will begin with a study of the 1787 Convention and then read a series of law review articles advocating both of these perspectives. Supreme Court opinions will not be covered in this course. Prerequisite: POL 101 or POL 102 or POL 221, and two courses from POL 370, POL 371, POL 372, POL 373, POL 374, POL 375, POL 376. Offered Alternate Years.
POL 400 Cr. 2-3
**Political Forum**
Academicians and practicing politicians will be invited to address the students and lead discussion sessions on the important political questions of the time. Reading assignments, lectures and audio-visual presentations will be used to provide background information. Repeatable for credit - maximum 6. Offered Occasionally.

POL 405 Cr. 3
**Women and Politics in the Middle East**
This course focuses on the status and treatment of women in the political systems of Middle Eastern countries. It examines the effects of politics as well as history, religion and economics in the lives of women in this region of the world. Prerequisite: POL 101 or POL 205 or POL 234 or ANT/ECO/ GEO/HIS/POL/SOC 202. Offered Occasionally.

ECO/GEO/HIS/POL/PSY/SOC 408 Cr. 4
**Teaching and Learning History & Social Studies in the Secondary School**
This course will be integrated with a field experience. In the context of a real classroom, teacher candidates will learn how to plan for and assess student learning in history and social sciences. With a focus on content knowledge, teacher candidates will plan a variety of meaningful learning experiences, assess student learning, and monitor and modify instruction to best support the individual learners in the classroom. The teacher candidate will design, enact, and assess activities that advance student understanding to more complex levels. Teacher candidates will gain experience in monitoring the obstacles and barriers that some students or groups of students face in school and learn how to design learning experiences to support all learners. HIS/ECO/GEO/POL/PSY/SOC 408 Offered Fall, Spring.

POL 410 Cr. 3
**Civic Engagement and the Wisconsin Idea**
The study of the Wisconsin Idea of Community Service and late twentieth century communitarian and service learning philosophies are examined. The course includes service learning work in non-profit and local governmental agencies as well as the study of the meaning of democracy, citizenship, personal political efficacy, leadership and political culture. Lect. 1, Lab. 4. Prerequisite: POL 101 or POL 102. Offered Annually.

POL 416 Cr. 3
**Nonprofit Organizations**
The management of nonprofit organizations has become an increasingly important field of study given the importance and role of nonprofit organizations within our society. This course will provide students with a general overview of management practices that are specific to nonprofit organizations. Specifically, this course will examine the scope, dimensions, and roles of nonprofit organizations, particularly those designated by the IRS as 501 (c)(3), in order to understand their distinctive characteristics and functions in society. Prerequisite: POL 101 or POL 102. Offered Alternate Years.

POL 420 Cr. 3
**Health Administration**
Examination of the policy, political and management problems facing health administrators and policy analysts. Emphasis will be placed on policy formulation and implementation. Prerequisite: POL 101 or POL 102 and POL 211. Offered Annually.

POL 433 Cr. 3
**Women and Politics in Asia**
This course takes a look at the status and treatment of women in the political systems of Asian countries. It examines the role that history, religion, economics but more importantly politics plays in terms of the life of women in this part of the world. The focus of the course is the status of women in the political systems of Asia. Prerequisite: POL 101 or POL 205 or POL 234 or ANT/ECO/GEO/HIS/POL/SOC 202. Offered Occasionally.

POL 437 Cr. 3
**Women and Politics in Africa**
This course takes a look at the status and treatment of women in the political systems of African countries. It examines the role that history, religion, economics but more importantly politics plays in terms of the life of women in this part of the world. The focus of the course is the status of women in the political systems of Africa. Prerequisite: POL 101 or POL 205 or POL 234 or ANT/ECO/GEO/HIS/POL/SOC 202. Offered Occasionally.

POL 439 Cr. 3
**Women and Politics in Latin America**
This course analyzes gender and sexuality issues in the political systems of Latin American countries. It examines the role that history, religion, economics but more importantly politics plays in the lives of women in this part of the world. Prerequisite: POL 102 or POL 205 or POL 234 or ANT/ECO/GEO/HIS/POL/SOC 202. Offered Occasionally.

POL 443/543 Cr. 3
**Introduction to International Political Risk**
An introduction to the international political, social, economic, and cultural environment for international operations. The approach is multidisciplinary, focusing on the nature of the international system, analysis of the nation-state, and the problems of operations in this environment, focusing on political risks to operational success. Prerequisite: POL 101 or POL 102; junior standing. Offered Occasionally.

POL 446 Cr. 3
**Model UN: International Diplomacy**
An examination of contemporary international diplomacy, which also includes participation in a regional or national Model United Nations conference. The course examines the government, politics, and foreign policy of assigned countries, with particular emphasis on problems whose solutions may necessitate cooperative multilateral diplomacy. Repeatable for credit - maximum six. Prerequisite: POL 346. Offered Annually.

POL 450 Cr. 1-12
**Internship in Government and Politics**
An academically relevant work experience within the federal, state, or local government structure, or within other political organizations such as political parties, as arranged by the department. The experience will be supervised closely both by the local internship coordinator and the departmental staff. A written report relating the field experience to academic training will be required. Repeatable for credit - maximum 12. Prerequisite: 15 credits in political science and/or departmental consent. Consent of instructor. Offered Fall, Winter, Spring, Summer.

POL 451 Cr. 3
**Internship in Criminal Justice**
An academically relevant field experience for minors in criminal justice. Prerequisite: SOC 324; junior standing; criminal justice minor plan. Offered Fall, Winter, Spring, Summer.
POL 472 Cr.3
**Interest Group Politics**
This course will first examine why interest groups arise, how they maintain their existence, and what sorts of interest groups exist in the United States. It will go on to investigate the strategies used by interest groups to influence public policy and the extent to which they are successful in doing so. Prerequisite: POL 101 or POL 102. Offered Annually.

POL 494 Cr.3
**Senior Capstone Seminar**
Assessment of political science and public administration majors including a variety of written papers and oral presentations utilizing a seminar format. Prerequisite: POL 361; senior standing; political science and/or public administration major plan. Offered Fall, Spring.

POL 495/595 Cr.1-3
**Seminar**
Discussion and reading in the student’s area of concentration in a seminar situation. Repeatable for credit - maximum 6. Each repetition is to be with a different instructor. Prerequisite: senior standing; 15 credits in political science. Offered Fall, Spring.

POL 496/596 Cr.2-3
**Honors Seminar**
Discussion and reading in a seminar format and writing of a superior paper or project. Prerequisite: 21 credits in political science or public administration; senior standing; either a political science honors program candidate or a cumulative grade point average of 3.25 in political science or graduate standing. Offered Fall, Spring.

POL 498/598 Cr.2-3
**Honors/Graduate Reading & Research in Political Science**
Directed honors or graduate reading and research from reading lists under the supervision of the candidate’s faculty adviser. Designed to prepare the honors candidate for the terminal examination. Prerequisite: senior standing; 15 credits in political science or consent of instructor. Offered Fall, Spring.

POL 499 Cr.1-3
**Readings and Research in Political Science**
Directed readings and research under the supervision of an instructor. Repeatable for credit - maximum 6. Only one registration per semester. Each repetition is to be with a different instructor. Prerequisite: junior standing or 15 credits in political science and consent of instructor. Consent of instructor. Offered Fall, Spring.

**Psychology (PSY)**
+ next to a course number indicates a general education course

**Courses**

+PSY 100 Cr.3
**General Psychology**
A comprehensive introduction to contemporary basic principles and theories of behavior and related processes along with supporting scientific evidence and applications. Topics include sensory processes, perception, learning, memory, motivation, emotion, developmental change, measurement, social interaction and abnormal behavior. Offered Fall, Spring, Summer.

+PSY 200 Cr.1
**Orientation to the Psychology Major**
This course is an orientation to psychology as a major. It is designed for sophomore level students who have either declared or are considering psychology as a major. It is also appropriate for second semester freshmen or first semester juniors. The field of psychology as a discipline will be discussed as will career options related to the field. Students will be required to complete a variety of tasks designed to identify and/or clarify career paths and goals and increase their understanding of psychology as both an empirical and applied field. Prerequisite: PSY 100. Pass/Fail grading. Offered Fall, Spring.

PSY 204 Cr.3
**Abnormal Psychology**
This course introduces students to various clinical presentations of psychopathology that may occur throughout human development. It provides an overview of specific psychological disorders as well as disorder-specific etiological considerations, associated clinical features, defining characteristics, and diagnostic criteria. The course also includes overviews of current treatments for the major disorders, and ethical considerations in mental health care. Prerequisite: PSY 100 or PSY 212; sophomore standing. Offered Fall, Spring, Summer.

PSY 205 Cr.3
**Effective Behavior**
This course is a general overview of ways that psychological science can be applied to individuals’ lives to increase effective behavior. Course themes include exploring ways to improve enactment of roles through the lifespan such as student, parent, worker, and life partner. Topics may include: coping and stress; alcohol and drugs; relationships; and workplace skills and career issues. Prerequisite: PSY 100. Offered Fall, Spring.

PSY 210 Cr.3
**Developmental Psychology**
Designed for the psychology major as an introduction to developmental psychology, the course emphasizes the historical, theoretical and methodological approaches to human development across the lifespan. Psychological principles, concepts, and historical and recent research in the areas of prenatal, cognitive, language, social/emotional, and physical development are explored. Prerequisite: PSY 100; Psychology Milestone #1 (completion of psychology new major online tutorial and meeting with psychology advising coordinator.) Students may only earn credit in PSY 210 or PSY 212. Offered Fall, Spring.

PSY 212 Cr.3
**Lifespan Development**
An overview of human development from conception through death. It emphasizes major developmental milestones in several domains, including physical, cognitive and social/emotional. It also introduces students to prominent historical, theoretical, and methodological approaches to human development as well as to practical applications. Does not apply to the psychology major. Prerequisite: Students may only earn credit in PSY 210 or PSY 212. This course is not for psychology majors. Offered Fall, Spring.

PSY 241 Cr.3
**Social Psychology**
This course addresses the effects of the social context on human behavior. Topics may include attitudes; stereotyping and discrimination; aggression and prosocial behavior; and interpersonal relationships. It also examines the implications of social psychological principles in areas such as health, the environment and the legal system. Prerequisite: PSY 100 or SOC 110. Students may only earn credit in SOC 330 or PSY 241. Offered Fall, Spring.
+PSY 282 Cr.3
Cross-Cultural Psychology
An orientation to the definitions, concepts, theories, and methodologies of cross-cultural psychology. Included is an examination of cultural and ecological factors and their influences on perceptual and cognitive processes, personality, language, and other psychological variables. Prerequisite: PSY 100. Offered Fall, Spring.

+PSY 285 Cr.3
Culture and Mental Health: An Applied Perspective (ES)
This course provides an examination of the relationship between culture and mental health. Specific attention is given to the impact of racism, prejudice, and minority status on the lives of various American minority groups and how the effects of these factors reveal themselves within a mental health framework. An eclectic, multidisciplinary approach that draws from clinical and social psychology, as well as sociology, is utilized. Prerequisite: PSY 100; sophomore standing. Offered Annually.

PSY 291 Cr.1-3
Contemporary Topics in Psychology
Introductory exploration of special topics relevant to the field of Psychology. Topics of specific interest to undergraduate students will be offered periodically. Offerings will be determined by staff/student interest and availability of teaching resources. Departmental approval is necessary to apply more than six credits toward the psychology major. Prerequisite: PSY 100. Offered Occasionally.

PHL/PSY 301 Cr.3
Theory of Knowledge
An intensive examination of three major questions: (1) What are the principal grounds of knowledge? (2) How certain can we be of what we think we know? (3) Are there limits beyond which we cannot hope to extend knowledge? Strong emphasis is placed on the problems of perception, learning, and knowledge representation. Prerequisite: PHL 100 or PHL 101 or PHL 200 or PSY 100. (Cross-listed with PHL/PSY; may only earn credit in one department.) Offered Alternate Years.

PSY 302 Cr.3
Environmental Issues: Applied Psychology
This course is an exploration of psychological perspectives on environmental issues. Two trends associated with the relationship between human attitudes and behavior and the natural and built environments will be examined. First, the course will focus on what psychology has to offer in terms of explaining how attitudes and behaviors have contributed to the degradation of the natural environment. Second, it will focus on the synergistic relation between person and planetary well-being characteristic of the ‘green psychology’ movement. Prerequisite: PSY 100 or ENV 201. Offered Occasionally.

PSY 303 Cr.3
Personality Theories, Models and Measures
Exploration and evaluation of major theories of personality. Particular attention is paid to psychoanalytic, neopsychoanalytic, behavioral, trait and humanistic theories of personality. This course will also address current research in the field of personality psychology and issues in personality measurement. Prerequisites: PSY 100; PSY 210 or PSY 212; junior standing. Offered Fall, Spring.

PSY 305 Cr.3
Human Sexuality
This course is an exploration of human sexuality from biological, psychological, and social perspectives throughout the lifespan. Sexual attitudes and behaviors reflecting a broad spectrum of typicality and experience will be discussed. Prerequisite: PSY 100; minimum of 45 credits earned. Offered Fall, Spring.

PSY 307 Cr.3
Intimate Relationships
This course explores the development and life cycle of cross-sex and same-sex intimate relationships (e.g., dating, romantic, and marital partnerships). The course will focus on topics such as: human need for relationships, interpersonal attraction, love, attachment, communication, relationship development and maintenance, sexually, jealousy, conflict and aggression. Conditions influencing relationships such as illness, aging, poverty, trauma, and intimate partner violence will be examined. The course will also highlight factors associated with relationship success and/or dissolution. Students will engage with the theory, research, and practical application of the course material. Prerequisite: PSY 100 or PSY 212; junior standing. Offered Annually.

PSY 308 Cr.1-2
Research Apprenticeship
This course offers research experience under the supervision of a faculty member. The student will assist a faculty member in any phase of the research process including literature searches, formulation of instruments, pilot studies, data collection, data coding, and computer analysis. Repeatable for credit — maximum 6. Prerequisite: PSY 331; junior standing. Consent of department. Pass/Fail grading. Offered Fall, Spring.

PSY 309 Cr.1
Volunteer Experience in Psychology
This course provides students with opportunities to gain practical experience through interaction with a variety of age groups. This supervised fieldwork requires 30 hours on site per semester. Repeatable for credit — maximum 2. Prerequisite: PSY 100, PSY 210 or PSY 212; Psychology Milestone #1 (completion of psychology new major online tutorial and meeting with psychology advising coordinator.) Pass/Fail grading. Offered Fall, Spring.

PSY 315 Cr.3
Behavior Modification
This course will examine the theory and techniques of systematic behavior management and behavior control. Applied social learning theory, reinforcement, shaping, modeling, cognitive and rational techniques, extinction, aversive procedures, and token economies will be covered. Students will plan and execute a personal behavior self-modification program, and plan and evaluate an intervention for the campus community. Prerequisite: PSY 100; PSY 204; PSY 210 or PSY 212. Offered Annually.

+PSY 318 Cr.3
Psychology of Women (ES)
Theories and research concerning the biological, psychological, and social aspects of female functioning will be evaluated. The course will analyze psychological literature that addresses itself to the experience, development, and behavior of women from different ethnic and cultural backgrounds. Prerequisite: PSY 100; sophomore standing. Offered Fall, Spring.
PSY 319 Cr.3
**Men and Masculinities**
This course examines everyday life using the theories, methods, and findings from the psychology of men and masculinities. The psychology of men is analyzed from multiple perspectives including biological, social learning, feminist, and social constructionist theories. The course considers the role of patriarchy, biology, the media, and other factors that shape the lives of individuals and social groups. Specific topics include men’s mental and physical health, violence, work, and diversity. Prerequisite: PSY 100 or PSY 212 or WGS 100 or WGS 210 or WGS 230 or EFN 205. Offered Occasionally.

PSY 320 Cr.3
**Human Motivation**
This course examines contemporary and historical psychological conceptions, principles, and theories of human motivation. Concern is given to physiological, cognitive, emotional, and social factors that influence human’s desires, aspirations, and behaviors. Practical applications to multiple areas including education, industry, health, and everyday situations will be considered. Prerequisite: PSY 100 and PSY 210; or PSY 212. Offered Occasionally.

PSY 321 Cr.3
**Research Methods for Psychology Minors**
Introduction to the research methods associated with psychological research for psychology minors. Consideration given to formulation of problems, techniques for gathering data, and the presentation and interpretation of research. Focus on an ability to critically evaluate social science research. (Not required of students who major in CST or SOC or WGS). Prerequisite: PSY 100; 45 earned credits. Not open to Psychology majors. Offered Fall, Spring.

PSY 331 Cr.4
**Experimental Psychology: Lecture and Laboratory**
This course provides an introduction to experimental and other research methods as used in psychology. The emphasis is on the scientific method, techniques of data collection, and the principles and theories employed in the study of behavior and mental processes. The laboratory portion develops skills in observation, formulating research ideas and hypotheses, designing and conducting research, data analysis, and scientific report writing. Prerequisite: Psychology Milestone #2 (C or better in PSY 100 & MTH 145; complete ENG 110 & CST 110; combined GPA of at least 2.25 in these four courses; completion of 30 cr); three other credits in psychology. Open to Psychology majors only. Offered Fall, Spring.

PHL/PSY 333 Cr.3
**Philosophy of Mind**
A study of the nature of the mind from both philosophical and psychological perspectives. The course will focus on important attempts to solve the mind-body problem, how mind and body are related and also will address the related problems of consciousness, intentionality, free will and personal identity. Prerequisite: PHL 100 or PHL 101 or PHL 200 or PSY 100. (Cross-listed with PSH/PHL; may only earn credit in one department.) Offered Alternate Years.

PSY 334 Cr.3
**Health Psychology**
This course will examine the role of psychological factors in health, wellness, and illness. The focus will be on the interdependence of physiological, psychological, and sociocultural factors on the experience and treatment of acute and chronic illness. There will be a strong emphasis on the mind/body connection and evidence-based mind/body interventions (e.g., physical, psychological, spiritual, social, emotional, and intellectual). Ethical considerations, multicultural contexts, and public policy issues in treatment and research will be considered. Prerequisite: PSY 100 and six additional credits in PSY or PSY 100 and BIO 312 or ESS 205. Offered Fall, Spring.

PSY 335 Cr.3
**Learning and Memory**
A study of the fundamental concepts and principles of human and animal learning and contemporary topics in human memory. Specific topics include classical and operant (instrumental) conditioning, concept and skill learning, memory storage, and retrieval, forgetting, and the use of information. Prerequisite: PSY 100; PSY 321 or PSY 331. Offered Annually.

PSY 343 Cr.3
**Group Dynamics**
This course focuses on the structure and function of groups. Topics covered may include communication, process losses, leadership, problem-solving, improving the effectiveness of groups and intergroup relations. Prerequisite: PSY 100 or SOC 110. Not open for credit to students who have completed or are enrolled in CST 365 and/or SOC 334. Offered Annually.

PSY 347 Cr.3
**Empathic Listening Skills**
This course is designed to clearly define empathic listening skills within a multicultural context. Students will learn to differentiate listening from psychotherapy and will practice listening skills. Topics include values identification, basic listening skills, in-depth exploration skills, and action planning without counseling. Ideal for those who will plan to work in a human services setting. Prerequisite: PSY 100; second semester sophomore standing. Offered Fall, Spring.

PSY 355 Cr.3
**Infancy and Early Childhood**
This course will provide students with an in-depth examination of human development during infancy and early childhood (conception through approximately age five) from a multidimensional perspective. Normative development in the following areas will be examined: prenatal, physical, perceptual, cognitive, language, social and emotional. Legal and public policy implications will be discussed. Research methodology and theoretical perspectives will be integrated throughout each topic area. Prerequisite: PSY 100 and PSY 210; or PSY 212. Offered Occasionally.

PSY 356 Cr.3
**The School-aged Child**
This course focuses on basic principles, theories, and research in human development from conception through middle childhood (ages 5-12 approximately). Topics include physical, cognitive, language, social/emotional and personality development. Both the biological/genetic (nature) and the environmental (nurture) influences on development will be examined within each developmental area. Prerequisite: PSY 100 and PSY 210; or PSY 212. Offered Annually.
PSY 357 Cr.3
Adolescence
Focuses on the developmental tasks of adolescence and the influence of family, peers, school and society. Topics include historical perspectives, cognitive and moral development, self-concept, sexuality, vocational choice, and problems of adolescence. Prerequisite: PSY 100 and PSY 210; or PSY 212. Offered Annually.

PSY 358 Cr.3
Adulthood
An overview of the 'journey of adulthood' including both continuity and change. It introduces students to major historical and theoretical perspectives on adult development as well as primary methodological techniques for studying adult development. It examines milestones and transitions in traditional developmental domains (physical, cognitive and social and emotional) and explores individual responses and adjustments to these experiences. Prerequisite: PSY 100 and PSY 210; or PSY 212. Offered Annually.

PSY 359 Cr.1
Aging and the Elderly
The study of aging and older persons from a psychological perspective. It highlights physical, cognitive, emotional and social characteristics of old people and developmental changes associated with aging processes. Special attention is focused on the differences between typical aging and disease-related conditions associated with aging. Attention also is focused on diversity in the experience of aging and on practical applications. Prerequisite: PSY 358 or concurrent enrollment. Offered Occasionally.

PSY 360 Cr.3
Cross Cultural Human Development
This course represents a blend of cross-cultural concepts and human development (across the lifespan) and will seek to explore the influence of culture on various aspects of human development. More specific topics include the role of culture on: socialization, physical growth, cognition, self and personality, sex and gender, social behavior, family relations, and health. Prerequisite: PSY 100 and PSY 210 or PSY 212. Offered Occasionally.

PSY 370 Cr.3
Educational Psychology
This course examines the application of psychological principles to school learning. Topics covered include theories of learning, individual differences, motivation, classroom management, measurement and evaluation, and effective teaching. The content will be discussed in relation to current issues and problems. Prerequisite: PSY 100 and PSY 210 or PSY 212 or ECE 212 or ESS 207 and ESS 225. Offered Fall, Spring, Summer.

PSY 376 Cr.3
Industrial/Organizational Psychology
Psychological principles, concepts and methods applicable to organizational and industrial situations and practices. Topics include personnel selection, placement and evaluation; training; motivation; leadership; and social factors in organizations. Prerequisites: six credits in psychology; junior standing. Offered Annually.

PSY 377 Cr.3
Psychology and Law
This course examines a variety of ways that psychology intersects with the legal system. Topics include criminal profiling, false confessions and eyewitness misidentification, forensic assessment of competency and insanity, jury selection and decision-making, the impact of race in criminal sentencing, the philosophy and psychology of imprisonment, workplace harassment and discrimination, and roles for psychologists in the legal system. Prerequisite: PSY 100 or SOC 110 or SOC 120 or ANT 101. Offered Occasionally.

PSY 391 Cr.1-3
Contemporary Topics in Psychology: Intermediate
Intermediate consideration of contemporary topics related to psychological theories and research methods. Topics of specific interest to undergraduate students will be offered periodically. Offerings will be determined by staff/student interest and availability of teaching resources. Credit, prerequisite and format will vary according to the specific topics selected and the target student group. Departmental approval is necessary to apply more than six credits toward the psychology major. Offered Occasionally.

PSY 403/503 Cr.3
Advanced Psychopathology
This course focuses on selected topics in the area of clinical and abnormal psychology and is designed to provide in-depth knowledge of advanced current issues in the field. It helps prepare students for the field of human services by offering additional information beyond that conveyed in the abnormal psychology course on the diagnosis and treatment of a number of psychological disorders. Prerequisite: PSY 204; junior standing. Offered Occasionally.

PSY 404 Cr.3
Counseling Theories
A comprehensive conceptual review of theories of psychotherapy and counseling with a focus on the processes of change. The theories examined include the psychodynamic, person-centered, gestalt, behavioral, cognitive-behavioral, solution-focused, marriage and family therapy, and group therapy. Divergence and convergence among the theories will be examined. This course will focus on the presentation of a transtheoretical analysis of these major theoretical views and methods used in psychotherapy. The course will emphasize the pragmatic and integrated qualities of major theories of psychotherapy and counseling. Prerequisite: PSY 100 or PSY 212; PSY 204; PSY major plan with completed Milestones 1 & 2 or declared psychology minor, criminal justice minor or at risk child/youth care minor. Offered Fall, Spring.

PSY 405 Cr.1-2
Teaching Apprenticeship in Psychology
This course provides preparation and experience in a variety of instructional practices, strategies and techniques. Students study theory and research on teaching and practice teaching skills under the guidance of faculty members. Repeatable for credit — maximum 6. Prerequisite: junior standing; minimum 3.25 cum GPA. Pass/Fail grading. Offered Fall, Spring.

PSY 406 Cr.3
Positive Psychology
Positive psychology explores the enhancement of human experience for individuals, families, and communities rather than a focus on mental illness. The course examines attitudes, traits, behaviors, and environments associated with well-being. Emphasis will be placed on both understanding the concepts as well as the possible avenues for application to students' lives. The course offers opportunities for self-assessment and the ability to demonstrate individual understanding of the research base supporting the field. Prerequisite: PSY 100; PSY 204; PSY 210 or PSY 212; junior standing. Offered Occasionally.

PSY 407 Cr.3
Children's Cognition
This course will examine contemporary theories and current research on children's cognition, focusing on the years from birth to early adolescence. Topics considered will include biological bases of cognitive development: Piagetian and neo-Piagetian theory, sociocultural theories of cognition, information-processing approaches to children's memory and problem solving, the development of social cognition, and schooling and cognition. Prerequisite: PSY 210 or PSY 212. Offered Annually.
ECO/GEO/HIS/POL/PSY/SOC 408 Cr.4
Teaching and Learning History & Social Studies in the Secondary School
This course will be integrated with a field experience. In the context of a real classroom, teacher candidates will learn how to plan for and assess student learning in history and social sciences. With a focus on content knowledge, teacher candidates will plan a variety of meaningful learning experiences, assess student learning, and monitor and modify instruction to best support the individual learners in the classroom. The teacher candidate will design, enact, and assess activities that advance student understanding to more complex levels. Teacher candidates will gain experience in monitoring the obstacles and barriers that some students or groups of students face in school and learn how to design learning experiences to support all learners. HIS/ECO/GEO/POL/PSY/SOC 408 Offered Fall, Spring.

PSY 410/510 Cr.3
Advanced Developmental Psychology
An in-depth study of important topics in developmental psychology. Relevant theories and recent research in social development, cognitive development, moral development, language development, and emotional development will be evaluated. Prerequisite: PSY 210 or PSY 212; PSY 321 or PSY 331; MTH 145; junior standing. Offered Occasionally.

ERS/PSY 415 Cr.3
Multicultural Counseling
This course focuses on the effects of culture on the nature and behavior of individuals, their adaptations to institutions and environments, and their relations within and outside their culture. Specifically, the impact of concepts such as ethnocentrism, stereotypes, racism and prejudice are explored in terms of their relevance to the counseling process. Counseling strategies and skills relevant to providing effective multicultural counseling are investigated. Prerequisite: PSY 100, PSY 204 and PSY 347. (Cross-listed with ERS/PSY; may only earn credit in one department.) Offered Occasionally.

PSY 417 Cr.3
Child and Adolescent Psychopathology
An examination of psychological disorders which first appear during infancy, childhood and adolescence. This course covers the etiology, diagnosis, classification, treatment, and prevention of psychological disorders from different theoretical orientations. Special emphasis is placed on applying basic concepts and empirical data to various professional settings and to social policy issues. Prerequisite: PSY 210 or PSY 212; PSY 204. Offered Fall, Spring.

PSY 420/520 Cr.3
Advanced Research Methods
An advanced course in the quantitative and logical aspects of statistical analysis, interpretation and design of behavioral science research and experimentation. Major emphasis is on the conceptual rather than the computational aspects of quantitative methods. Recommended for those planning graduate work in psychology or related fields. Prerequisite: PSY 100; PSY 210; grade of "B" or better in PSY 321 or PSY 331; grade of "B" or better in MTH 145 or admission to Psychology Honor Program; junior standing. Offered Spring.

PSY/SOC 422 Cr.3
Death, Grief, and Bereavement
A study of the interaction of individuals and families coping with dying and death in various social settings including hospitals, care facilities, and hospices. Topics include psychosocial aspects of grief and mourning, sociological dimensions of bereavement, and various rituals of funeralization in the U.S. and other societies. Special attention is given to case studies and medical/ethical decision-making at the end of life, as well as other aspects of the social organization of death, dying, and bereavement. Students cannot earn credit in both SOC 422 and PSY 422. Prerequisite: PSY 100 or SOC 110 or SOC 120 or ANT 101; junior standing. Offered Annually.

PSY 426/526 Cr.3
Addictive Behaviors
Study of the personality characteristics of individuals experiencing substance abuse, dependency, and compulsive behaviors such as eating disorders and gambling. The focus will be on abuse as a maladaptive response to the demands of life. Special topics will include consumptive patterns, level of dependence, neurological status, assessment, and contemporary treatment techniques. Prerequisite: PSY 100; PSY 204; PSY 210 or PSY 212; junior standing. Offered Annually.

PSY 430 Cr.3
Biopsychology
This course focuses on the utilization of a biological approach to understanding mental phenomena and behavior. Biological information includes the development and structure of the central nervous system, neuroanatomy and physiology, the function of basic neural events, neurotransmitters, neuropharmacology, hormones, evolution of behavior, brain development, neuroplasticity, and response to neural damage. Topics associated with how neural events influence human phenomena may include biological rhythms, consciousness, perception, sleep and dreaming, emotions, aggression, stress, learning, memory, and cognition. Prerequisite: PSY 100; PSY 321 or PSY 331 or BIO 312; junior standing. Offered Annually.

PSY 431 Cr.3
The Study of Consciousness
A comprehensive examination of conscious and nonconscious states of awareness. The course will explore contemporary cognitive theories on the nature of consciousness and its role and functioning in human behavior. The course will also cover states of consciousness (i.e., sleep and dreaming) as well as alterations in consciousness through hypnosis and psychedelic drugs. Prerequisite: PSY 100; BIO 312 or PSY 321 or PSY 331 or PHL 333. Offered Occasionally.

PSY 434/534 Cr.3
Clinical Neuropsychology
This course examines the relationship between brain functioning and cognition, behavior, and emotion. The course covers neuroanatomy, neurophysiology, and neuropsychological assessment. The history, rationale, goals, and procedures of neuropsychological assessment will be explored alongside the role that neuropsychologists play in the evaluation and treatment of individuals with disorders. Specific disorders likely to be covered include traumatic brain injury, dementia, psychiatric disorders, alcohol and drug abuse, cerebrovascular disorders, seizure disorders, and learning disabilities. Prerequisite: PSY 100, PSY 321 or PSY 331 or BIO 312; junior standing. Offered Annually.

PSY 435 Cr.3
Cognitive Processes
This course examines theories, models, and related experimental research concerning human mental processes. Topics include acquisition of information, memory, decision-making, problem solving, and language. Prerequisite: PSY 100; PSY 321 or PSY 331; junior standing. Offered Annually.
PSY 436/536 Cr.3
**Psychology of Language**
An introductory course in psycholinguistics concerned with the comprehension, production and acquisition of language. Other topics include: language and thought, reading, writing, bilingualism, figurative language, metalinguistic skills, and the neuropsychology of language. Prerequisite: PSY 100; PSY 321 or PSY 331; junior standing. Offered Spring - Even Numbered Years.

PSY 439 Cr.3
**Sensation & Perception**
Survey of the physiology and psychology of the human senses (e.g. vision, audition, smell, taste, and the skin senses) and the role they play in the attainment of knowledge and the regulation of behavior. In addition, the course will examine the various perceptual processes through which we interpret and restructure sensory information as we respond to changes in the environment. Prerequisite: PSY 100; PSY 321 or PSY 331 or BIO 312. Offered Fall, Spring.

PSY 440 Cr.3
**Psychopharmacology**
A study of the movement of psychoactive drugs into, around and out of the body, with an emphasis on the drug’s site of action, therapeutic effects, side effects and possible clinical uses. Prerequisite: PSY 100: PSY 321 or PSY 331 or BIO 312; junior standing. Offered Annually.

PSY 441/541 Cr.3
**Advanced Social Psychology**
The course will provide coverage of methodology and statistics most frequently encountered in social psychology and cover topics both of classic and current interest such as stereotypes and prejudice, medical social psychology, environmental psychology, social interdependence, leadership, and power. Prerequisite: completion of Psychology Milestones 1 & 2; Grade of "B" or higher in PSY 341 or SOC 330; MTH 145; junior standing. Offered Occasionally.

ERS/PSY 442 Cr.3
**Racism and Oppression**
This course focuses on psychological theory and research regarding individual, group, historical, institutional, and societal causes of racism and oppression. The manifestations and consequences of racism and oppression are examined as are the challenges inherent in reducing racism and oppression. Both historical and contemporary racism and oppression in a global context are analyzed. Prerequisite: ERS 100 or PSY 241 or PSY 285 or SOC 330; junior standing. Students with credit in ERS/PSY 443 cannot earn credit in ERS/PSY 442. (Cross-listed with ERS/PSY; may only earn credit in one department.) Offered Occasionally.

ERS/PSY 443 Cr.3
**Prejudice and Stigma**
This course explores the psychological underpinnings of prejudice and stigma from an empirical, research-based perspective. In addition to covering well-recognized forms of prejudice such as racism, the course examines discrimination more broadly in terms of its impact on those who stigmatize and those who are stigmatized. Prerequisite: PSY 100; PSY 241 or SOC 330; PSY 321 or PSY 331. Students with credit in ERS/PSY 442 may not earn credit in ERS/PSY 443. (Cross-listed with ERS/PSY; may only earn credit in one department.) Offered Occasionally.

PSY 450 Cr.2-3
**Fieldwork Experience in Psychology: Undergraduate Internship**
An academically relevant field experience for majors in psychology. The field experience will be arranged through Career Services and supervised by psychology instructional staff. No more than three credits may be applied to a major in psychology. Prerequisite: PSY 100, PSY 210; cumulative GPA of 2.30; junior standing; completion of Psychology Milestones 1 & 2. Consent of instructor. Pass/Fail grading. Offered Fall, Spring, Summer.

PSY 451/551 Cr.3
**Psychological Measurement**
Principles and procedures for the psychological measurement of human differences. This course examines the development, quantitative interpretation, uses, distinctive and desired characteristics of tests of intelligence, aptitudes, achievement, occupational interests and personality. Prerequisite: PSY 100; PSY 321 or PSY 331; grade of "C" or better in MTH 145; junior standing. Offered Fall, Spring.

PSY 459 Cr.3
**Genes and Behavior**
This course provides an overview of how psychologists study genetic influences on human behavior and examines the roles that heredity and environment play in influencing individual differences in behavior. This course will critically evaluate behavioral genetics research on a variety of dimensions of human behavior, ranging from IQ and personality to clinical disorders, such as alcoholism, depression, and schizophrenia. Prerequisite: PSY 100; PSY 210 or PSY 212; PSY 321 or PSY 331 or BIO 312. Offered Occasionally.

PSY 461 Cr.3
**History and Systems of Psychology**
A study of the philosophical and empirical foundations of modern psychology. Outstanding contributions by individual scholars and the development of major systems of thought within the field. Recommended for students considering graduate school in psychology. Prerequisite: PSY 100; PSY 321 or PSY 331; MTH 145; junior standing. Offered Occasionally.

PSY 481 Cr.1-3
**Individual Projects in Psychology**
Directed readings, research, or other individualized projects in psychology under the supervision of an instructor. Open to students who are in good standing. Registration requires consent of supervising instructor and department chair. Repeatable for credit — maximum 6. Prerequisite: 12 credits in psychology. Consent of department. Offered Fall, Spring.

PSY 482 Cr.1-3
**Honors Projects in Psychology**
This course allows psychology honors students to complete their independent research projects. Honors students must enroll for a total of 3 credits (over 1 or 2 semesters). Repeatable for credit — maximum 3. Prerequisite: PSY 420, PSY 489. Offered Fall, Spring.

PSY 485 Cr.1-3
**Individual Projects in Psychology**
This course allows psychology honors students to complete their independent research projects. Honors students must enroll for a total of 3 credits (over 1 or 2 semesters). Repeatable for credit — maximum 3. Prerequisite: PSY 420, PSY 489. Offered Fall, Spring.

PSY 489 Cr.3
**Honors Seminar**
Students develop introductions and methods for independent research projects. Designing sound proposals and grappling with research design issues are the main foci of the course. Projects are completed under the supervision of a faculty adviser (PSY 481). Prerequisite: acceptance into Psychology Honors Program; PSY 100, PSY 331; PSY 420 (may be taken concurrently), MTH 145; junior standing. Offered Spring.
PSY 491 Cr.1-3

Contemporary Topics in Psychology: Advanced
This course provides in-depth consideration of significant new areas of development in the field of psychology. Topics of interest to traditional and nontraditional students will be offered on an irregular basis. Credit, prerequisite and format will vary according to the specific topic selected and the target student group. Offered Occasionally.

Radiation Therapy (RT)

Courses

HP/RT 310 Cr.3
Pathophysiology
This course focuses on the pathophysiologic disorders that affect healthy systems across the life span. Theories of disease causation are introduced. Areas of emphasis include cellular and systemic responses, clinical manifestations and the response of tissue to radiation damage. Acquired, immune, infectious, carcinogenic and genetic alterations in body systems are included. (Cross-listed with HP 310; may only earn credit from one department.) Prerequisite: BIO 312, BIO 313; admission to radiation therapy, nuclear medicine technology, or the UW School of Nursing. Health professions students' admission to NMT or UW nursing program, overrides are understood. Offered Fall.

RT 325 Cr.3
Radiation Therapy Readings, Writing and Research
This course introduces radiation therapy students to the language of radiation therapy and professional issues in the field by the use of selected readings. The Radiation Therapy Writing in the Major program will be introduced along with the types of writing practiced in the field. Students will learn basic research techniques and begin to apply them to their professional education. This course is designed to be taken concurrently with RT 310. Prerequisite: ENG 110 or ENG 112; MTH 145; concurrent enrollment in RT 310; admission to radiation therapy program. Offered Fall.

RT 330 Cr.2
Professional Issues in Radiation Therapy
This course will provide students with knowledge related to the professional issues pertinent to the field of radiation therapy. Course topics will include: professional development, career advancement/ options, radiation therapist scope of practice and practice standards, certification and licensure, radiation therapy professional organizations, legislative issues in radiation therapy, as well as ethics and introductory law in radiation therapy. Prerequisite: admission to radiation therapy program. Offered Fall.

RT 350 Cr.3
Patient Care Issues
This course will prepare students to work directly with patients in a health care setting. It will cover such topics as: communication and patient education, assessment, examination and monitoring of patients, body mechanics and patient handling skills, infection control, management of medical emergencies and CPR, nutritional counseling. Prerequisite: admission to radiation therapy program. Offered Spring.

RT 370 Cr.2
Health Care Systems and Human Resources in Radiation Therapy
This course will provide entry-level radiation therapists with the basic health system and human resource knowledge. Course topics will include characteristics of U.S. Health Care System, insurance, health care access, reimbursement in radiation therapy, and applicable human resource topics. Prerequisite: admission to radiation therapy program. Offered Spring.

RT 390 Cr.2
Medical Imaging
This course will provide radiation therapy students with theory and information regarding medical imaging procedures. Radiation therapists play a crucial role in imaging for treatment planning and treatment field verification. The course will provide instruction on analog and digital imaging, as well as various imaging modalities. Prerequisite: PHY 386; concurrent enrollment in RT 391; admission to radiation therapy program. Offered Spring.

RT 391 Cr.1
Applied Concepts in Medical Imaging
This course will serve as a lab for the Medical Imaging (RT 390) course. Students will focus on imaging aspects. Study of the equipment used to produce x-rays will lead to discussion of machine settings and technical factors involved in producing good quality radiographs. Students will learn about film types, characteristics and development as well as other related equipment. Lab time will be provided in which students will learn by discovery and develop competency through practice. Prerequisite: concurrent enrollment with RT 390; admission to radiation therapy program. Offered Spring.

RT 400 Cr.1
Clinical Internship Seminar
This course will prepare students for the clinical internship portion of the program. Course topics will include: professional development, team building skills, radiation therapy terminology, basic clinical concepts, immobilization device construction, CPR, and radiation therapy equipment basics. Prerequisite: admission to radiation therapy program. Offered Spring.

RT 401 Cr.3
Introduction to Radiation Therapy
This course, the first in the clinical internship, will provide the student with an overview of the profession of radiation therapy and its role in health care delivery and cancer management. Students will be oriented to the academic and administrative format of the internship site as well as safety practices of the hospital and radiation therapy department. The radiation therapy process will be identified and discussed along with critical steps in treatment procedures. Students will be prepared for working with patients by learning about charting and documentation as well as appropriate patient/therapist interactions. Prerequisite: RT 310, RT 350; admission to radiation therapy program; assignment to a clinical internship site. Offered Summer.

RT 411 Cr.4
Principles and Practice of Radiation Therapy I
This course, taught during the clinical internship year, addresses the concepts of cancer treatment, focusing primarily on radiation therapy. Methods of improving therapeutic advantage are investigated. Students learn safe and effective use of equipment and accessories along with the rationale for their clinical application. Technical aspects of treatment simulation and delivery are developed. Treatment related side effects and their management and special patient situations are addressed. Prerequisite: RT 310, RT 350, RT 401, RT 471; admission to radiation therapy program; assignment to clinical internship site. Offered Fall.
RT 412 Cr.4
Principles and Practice of Radiation Therapy II
This course, taught during the clinical internship, advances the student’s knowledge of neoplastic disease management. Cancers and some benign conditions of various body sites are discussed in relation to natural history, treatment and prognosis. Technical aspects related to radiation planning and delivery are closely investigated as well as pertinent anatomical considerations, combination therapy, treatment results and the therapist’s role in disease management. Lect. 3, Lab. 2. Prerequisite: RT 411, RT 421, RT 472; admission to radiation therapy program; assignment to clinical internship site. Offered Spring.

RT 421 Cr.3
Cross Sectional, Topographic & Radiographic Anatomy
This course, taught during the clinical internship, revisits anatomy specifically from an imaging perspective. Students will learn to identify structures and pathology on x-rays, CT and MRI scans and locate topographic landmarks on diagnostic and simulation films. Prerequisite: BIO 313, RT 390, RT 401; admission to radiation therapy program; assignment to clinical internship site. Offered Fall.

RT 431 Cr.3
Radiation Therapy Physics
This course, taught during the clinical internship, expands the student’s understanding of physics related to radiation therapy. Topics include the components and operation of linear accelerators and other treatment machines, brachytherapy, specification and modification of beam quality and characteristics, measurement of absorbed dose, treatment machine calibration, beam geometry and treatment with particles. Prerequisite: PHY 386, RT 401; admission to radiation therapy program; assignment to clinical internship site. Offered Fall.

RT 435 Cr.3
Dosimetry and Treatment Planning
This course, taught during the clinical internship, focuses on the characteristics, measurement and manipulation of radiation dose delivery in treatment. This involves advanced concepts of methods of altering dose to optimize the effectiveness of the radiation treatment. Treatment planning for a variety of tumor sites and situations is discussed. Prerequisite: RT 411, RT 421, RT 431; admission to radiation therapy program; assignment to clinical internship site. Offered Spring.

RT 437 Cr.2
Quality Management in Radiation Therapy
This course, taught during the clinical internship, focuses on the purpose and techniques of quality management in a radiation oncology program. The importance of documentation, consistent application of specified protocols and assessment of outcomes are addressed. The responsibilities of the radiation therapist within the radiation oncology team for quality functions are highlighted. Prerequisite: RT 411, RT 431; admission to radiation therapy program; assignment to clinical internship site. Offered Spring.

RT 471 Cr.3
Clinical Practicum I
This course, offered the first summer session of the clinical internship, will orient students to the clinical operation of the internship site. Students will observe staff operations in the radiation therapy clinic, simulation, treatment planning, and treatment delivery areas. Prerequisite: RT 310, RT 330, RT 390; admission to radiation therapy program; assignment to clinical internship site. Offered Summer.

RT 472 Cr.6
Clinical Practicum II
This course, offered fall semester of the clinical internship, will progress students’ clinical skills from observation in simulation, treatment planning and treatment delivery to the point of participation and development of basic competencies. Prerequisite: RT 401, RT 471; admission to radiation therapy program; assignment to clinical internship site. Offered Fall.

RT 473 Cr.6
Clinical Practicum III
This course, offered spring semester of the clinical internship, will offer students the opportunity to continue the process of developing competence and confidence in the areas of simulation, treatment planning and treatment delivery. They will demonstrate competence in intermediate and some advanced procedures. Students will also be given opportunity to work in dosimetry. Prerequisite: RT 411, RT 421, RT 431, RT 472; admission to radiation therapy program; assignment to clinical internship site. Offered Spring.

RT 474 Cr.4
Clinical Practicum IV
This course, offered during the final summer session of the clinical internship, will complete the students’ clinical education experience. By the end of this course, students will have developed proficiency and confidence in areas of simulation, treatment planning and treatment delivery. They will complete all required competencies. Opportunities to broaden the experience and work with different equipment, techniques and advanced procedures will be offered. Prerequisite: RT 412, RT 435, RT 437, RT 473; admission to radiation therapy program; assignment to clinical internship site. Offered Summer.

RT 481 Cr.3
Seminar in Radiation Therapy
The course, offered during the clinical internship, is a capstone course in which students present patient case information, discuss application of radiation science theory, review and critique journal articles and prepare for the national certification exam. Prerequisite: RT 412, RT 435, RT 437; admission to radiation therapy program; assignment to clinical internship site. Offered Summer.

RT 499 Cr.1-3
Independent Study in Radiation Therapy
Independent study in radiation therapy may include individual readings and writing, projects, or research under the direction of a radiation therapy instructor. Prerequisite: Admission by consent of the instructor and the radiation therapy program director. Repeatable for credit – maximum 6 credits. Consent of department. Offered Occasionally.

Reading (RDG)

Courses
RDG 105 Cr.2
Developmental Reading
A course designed to increase reading efficiency by emphasizing improvement in reading comprehension, rate, and vocabulary. Attention is also given to selected study skills including note taking, test taking, and listening. Enjoyment of reading is stressed. Textbook purchase required. Offered Fall, Spring.

RDG 328/528 Cr.3
Reading in the Content Areas
This course is designed to help prospective and practicing secondary-level teachers guide students to more effectively comprehend assigned reading, use writing as a tool for learning, develop better study habits, and expand their reading interests. Prerequisite: admission to teacher education; junior standing. Offered Fall, Spring.
RDG 475/675 Cr.1-3
Special Topics Seminar in Reading Education
Special topics in reading not covered by current reading courses. The particular topic selected to be determined by current need and interest. Repeatable for credit — maximum 6. Prerequisite: RDG 324 or RDG 328; junior standing. Offered Occasionally.

Recreation Management (REC)

Courses

REC 150 Cr.3
Foundations of Recreation
Review of the sociological, philosophical, economic, and historical aspects of recreation and leisure. An introduction to recreation as a profession and investigation of contemporary issues in recreation and leisure. Offered Fall, Spring.

REC 151 Cr.1
Introduction to Recreation Management
This course serves as an introduction to the field of recreation management focusing on the exploration of career areas in the profession and the service delivery systems which define recreation management. Offered Fall, Spring.

REC 200 Cr.3
Program Leadership of Recreation Activities
An introduction to leadership techniques and theory as it relates to direct leadership of recreation activities. Development of skills for organizing and leading specific recreation activities, including cooperative games and group initiatives. Prerequisite: REC 150 or concurrent enrollment; REC, RTH, or CYC major/minor plan. Offered Fall, Spring.

REC 202 Cr.2
Leisure, Nature, and Contemplative Experiences
This course utilizes natural environments as a venue for experientially teaching Recreation Management students the role of leisure in a complete and balanced lifestyle. Weekend field trips will be required. Prerequisite: REC 150; REC or RTH major/minor plan. Offered Fall, Spring.

REC 300 Cr.3
Program Planning in Recreation
This course provides practical knowledge and experiences on the essential elements and design concepts of program planning. Emphasis is placed on student involvement in planning and directing programs for diverse populations in a variety of physical settings. Prerequisite: REC 150, REC 200 (or concurrent enrollment); REC or RTH major/minor plan. Offered Fall, Spring.

REC 302 Cr.3
Recreation Supervision and Human Resource Management
Study of theories and techniques in leadership, group dynamics, and personnel management as they relate to programming and staff supervision in recreation agencies. Emphasis on personnel management techniques, including job analysis, recruitment, selection training, motivation, career development, and evaluation of paid staff and volunteers. Course includes issues common to full-time entry-level professional positions in recreation. Prerequisite: REC 150; junior standing; REC or RTH major/minor plan. Offered Fall, Spring.

REC 304 Cr.3
Maintenance of Recreation Facilities
An introduction to maintenance of recreation facilities, parks and outdoor recreation areas and the efficient operation and management of aquatic facilities. Prerequisite: junior standing; REC or RTH major/minor plan. Offered Fall, Spring.

REC 305 Cr.2
Operation and Management of Swimming Pools and Spas
The efficient operation and management of swimming pools, spas, and other aquatic facilities. The promotion of attractive aquatic programs. Prerequisite: junior standing; REC, RTH, and/or ESS sport management major/minor plan. Offered Occasionally.

REC 306 Cr.3
Environmental Ethics, Outdoor Recreation and Natural Resources
This course provides an overview of the natural resources used for outdoor recreational pursuits, an analysis of leisure activities dependent upon natural resources, a presentation of the problems of recreational land use and an introduction to environmental awareness and outdoor safety. Recreation and natural resources at the national, state, local and private levels will be addressed with emphasis on the understanding of how outdoor recreation affects and is affected by natural resources. Offered Fall, Spring.

REC 320 Cr.3
Principles and Practices of Tourism
An introduction to the nature and scope of tourism that is intimately related to recreation. This course provides a basic understanding of tourism from the tourism system perspective. The topics include tourist behavior, special-interest tourism, destination marketing, economic, social-cultural, and environmental impacts of tourism on a destination, and sustainable tourism development. In addition to the business and economic benefits of tourism, it also examines the social aspects of tourism. Prerequisite: REC or RTH major/minor plan. Open to non-majors with instructor permission. Offered Fall, Spring.

REC 340 Cr.3
Evaluation Methods and Practices
This course is designed to familiarize the student with basic measurement and evaluation methods used in recreation and leisure service field. In addition, the course shows students how to interpret current and future research findings in leisure and recreation journals, use basic quantitative and qualitative survey methods, interpret findings from commonly used research and statistical methods, and form conclusions and recommendations from survey findings. Prerequisite: MTH 145; REC or RTH major/minor plan. Offered Fall, Winter, Spring, Summer.

REC 351 Cr.3
Civic Engagement in the Recreation Profession
Recreation professionals need to be leaders in their communities and advocates for quality recreation and leisure. This course 1.) explores the recreation profession’s role in civic engagement and 2.) identifies ways that the general citizenry can be brought into public discussion on issues about recreation programs and facilities. Prerequisite: junior standing; REC major plan. Offered Fall, Spring.

REC 375 Cr.1-3
Workshop in Recreation Management
This is a group study of various recreation, leisure, or tourism topics. University professors and/or visiting lecturers will conduct the workshops. Repeatable for credit under different subtitles. Repeatable for credit - maximum 6. May require field trip. Prerequisite: REC or RTH major/minor plan. No student may earn more than six credits in REC 375, RTH 490 and REC/RTH 491. Offered Occasionally.
Offered Fall, Spring. REC 200, 300 and 400 level required courses, except for REC 450. GPA of 2.50; and completion or concurrent enrollment in all remaining completion of at least two 50 hr experiences in rec or parks; a minimum preparation of students for a smooth transition to the recreation management profession. Approved sites include public sector (e.g., parks and recreation agencies, public schools and universities); non-profit/private sector (e.g., voluntary and youth agencies, church organizations); and for-profit sector (e.g., fitness/ sport centers, hospitality, tourism, and retail businesses). Prerequisite: REC 449; REC major plan; senior standing; 2.50 cum UW-L GPA or 3.00 for placement outside of 250-mile radius; all required REC/RTH courses completed; approved internship agreement. Offered Fall, Spring, Summer. REC 481/581 Cr.1-3 Outdoor Pursuits This course provides skill development and leadership techniques in outdoor recreation activities commonly associated with wilderness and roadless areas. Emphasis on backcountry ethics and safety will be stressed. A field trip will be required. Examples: backpacking, canoeing, bicycling, rock climbing, fishing, camping, and/or cross country skiing. Repeatable for credit - maximum 6. Prerequisite: junior standing. Offered Occasionally. REC 491/591 Cr.1-3 Workshops in Recreation and Parks Group study of varying recreation and parks topics. University professors as well as visiting lecturers will be invited to address the students and conduct specialized phases of the workshops. Repeatable for credit under different subtitles. Prerequisite: junior standing; REC or RTH major/minor plan. No student may earn more than six credits in REC 375, RTH 490, and REC/RTH 491. Offered Occasionally. REC 495 Cr.1-3 Independent Study in Recreation Individualized study of areas not available in existing courses. Repeatable for credit - maximum 6. Prerequisite: junior standing; REC or RTH major/minor plan. Consent of instructor. Offered Fall, Spring. REC 497 Cr.1-3 Special Projects in Recreation Management Individualized study of areas not available in existing courses or independent study. Program Project: planning, implementation and evaluation of a project. These projects will be completed under the supervision and direction of a staff member with permission from the student’s adviser within the department. Examples include Camp Placement Day, Riverfest, and Oktoberfest events. Repeatable for credit - maximum 6. Prerequisite: REC 300 or RTH 493; junior standing; consent of chairperson and student’s adviser; REC or RTH major/minor plan. Consent of department. Offered Fall, Spring. REC 499 Cr.1-3 Seminar in Recreation Intensive study of some specific area of interest in recreation. Repeatable for credit - maximum 3. Prerequisite: minimum 2.75 GPA; senior standing; REC or RTH major/minor plan. Offered Occasionally. Russian (RUS) + next to a course number indicates a general education course
Courses

RUS 101 Cr.4
**Elementary Russian I**
The first of two introductory courses in Russian. The five language skills: listening, speaking, writing, reading and culture are introduced. Offered Fall - Even Numbered Years.

+RUS 102 Cr.4
**Elementary Russian II**
The second introductory course in Russian comprehension, speaking, writing, reading and culture. Prerequisite: RUS 101 or placement. Offered Spring.

+RUS 201 Cr.4
**Intermediate Russian I**
The first of two intermediate-level Russian courses. Students continue to develop all language skills with special emphasis placed on refining speaking and reading comprehension. Prerequisite: RUS 102 or placement. Offered Fall - Even Numbered Years.

+RUS 202 Cr.4
**Intermediate Russian II**
The second of two intermediate-level Russian courses. Students continue to develop all language skills with special emphasis placed on refining reading and writing in Russian. Prerequisite: RUS 201 or placement. Offered Spring.

+RUS 305 Cr.3
**Golden Age Russian Literature and Culture**
A course designed to introduce students to the great Russian writers of the 19th century, a period referred to as the Golden Age of Russian literature. Literary works will be discussed in their social, cultural, and historical context. The course will center on works by such writers as Pushkin, Lermontov, Gogol, Turgenev, Dostoevsky, Tolstoy, and Chekhov. Taught in English. Offered Spring - Even Numbered Years.

RUS 398 Cr.1-3
**Directed Studies**
Individual reading and investigations in advanced Russian study. Course materials will vary according to the needs and interests of students. Repeatable for credit - maximum 6. Prerequisite: RUS 202 or equivalent. Offered Occasionally.

School Health Education (SHE) Courses

SHE 210 Cr.4
**Introduction to Coordinated School Health Programs**
This course gives an introduction to coordinated school health programs and the roles teachers play in encouraging healthy practices in the school age population. Skills in identifying health problems, developing an environment conducive to learning and developing health curriculum and instruction to encourage healthy lifestyles are developed. Students will be introduced to National and State Health Standards and national and state models of comprehensive/coordinate school programs. Also included in the course will be the Level I clinical experience in schools. This introductory field experience is designed to help the student identify the role of the school and its staff through observation and participation. It also allows school health education majors to consider the appropriateness of their chosen major in the education framework. Offered Occasionally.

SHE 252 Cr.2
**Introductory Content in Health Education**
Disease and intentional and unintentional injury prevention content essential for inclusion in a comprehensive school health curriculum is the course focus. Pre-service teachers will consider effective teaching strategies, resources that support the development and delivery of objectives in these areas, and determine the match to the Wisconsin Academic Standards for Health Education. Prerequisite: HPR 105. Offered Occasionally.

SHE 310 Cr.4
**Introduction to Curricular Processes & Instructional Techniques**
Beginning concepts in comprehensive school health education curriculum development and instructional techniques are the core of this course. Skills for delivery of effective health instruction are practiced including assessment, planning, implementation, and reflection. This course also includes an introductory field experience that is designed to help the teacher candidates identify the tile of the school and its staff through observation and participation. Lect 3, Lab 1. Prerequisite: HED 205; admission to teacher education. Offered Fall, Spring.

SHE 312 Cr.1
**Level II Clinical in School Health Education**
This clinical experience provides health education majors/minors an increased understanding of how two components, Pupil Services and Healthy School Environment, function within the Wisconsin Framework for Comprehensive School Health Programs. Specific attention is given to children and youth who are vulnerable to social, emotional and physical challenges and/or who have an impairment that requires special education. Prerequisite: HED 205; SHE 210. Pass/Fail grading. Offered Fall, Spring.

SHE 402 Cr.1
**Level III Clinical in School Health Education**
Designed to focus upon the development of the technical elements of curriculum, instructional systems, interaction-motivation, and management styles. Course activities include development of a philosophical base for teaching elements, observation, participation and performance of a variety of teaching behaviors within the teaching elements. Students will analyze their own teaching performance through simulation, guided practice and other teacher-directed evaluation. Prerequisite: admission to teacher education. Pass/Fail grading. Offered Fall, Spring.

SHE 407/507 Cr.3
**Health Education in the Elementary School**
Introduction of the school health program for the elementary education major and physical education major. Consideration is given to school health services and healthy school living, with a further emphasis on health instruction and health content for the elementary school. Prerequisite: admission to teacher education; junior standing. Offered Occasionally.

SHE 410/510 Cr.6
**Application of Curriculum Processes & Instructional Techniques**
This senior level experience provides an opportunity to apply the knowledge, skills, and dispositions of the Interstate Teacher Assessment and Support Consortium Standards (InTASC). The primary focus is on a teacher candidate’s growth and development in the InTASC standards. The traditional field experience or participation in a Professional Development School experience will address how the InTASC standards impact teaching and learning. Further analysis of method selection and instructional strategy development is included from a practical as well as philosophical point of view. Lect 4, Lab 2. Prerequisite: SHE 310 or admitted to Elementary-Middle Level Education program; must be taken last semester prior to student teaching and concurrently with SHE 415; admission to teacher education; junior standing. Offered Fall, Spring.
SHE 415/515 Cr.3  
**School Leadership for Health Educators**  
This course will develop teacher candidates’ leadership skills in school health programming. An overview will be included on the following topics: group dynamics, leadership theories and styles, resources and grants, curriculum assessment and analysis, administration and coordination of health curriculum, and professional skills. Prerequisite: SHE 310; must be taken concurrently with SHE 415; admission to teacher education; junior standing. Offered Fall, Spring.

SHE 416/516 Cr.1  
**Developing Comprehensive School Health Programs**  
Procedures for comprehensive health education curriculum development - from philosophy through identifying sources, to developing objectives - will be considered in discussion and group interaction. Final projects will include the writing of a partial curriculum. Not applicable for credit in school health education major or minor. Prerequisite: junior standing. Offered Occasionally.

SHE 458/558 Cr.1-2  
**Imagery Techniques for Health Promotional Skill Development**  
This course examines the concepts and theories of autogenic training and mental imagery as applied to maximizing inner potentials for performance excellence. The first credit focuses on the learning and experiencing of the developmental phases of relaxation training, mental practice, concentration, confidence building through positive affirmation, and maintaining personal rhythm. The second credit focuses on developing the competencies necessary to develop and implement a mental practice program for those in pursuit of excellence. Prerequisite: junior standing. Offered Occasionally.

SHE 460/560 Cr.1-2  
**Health Promotion and Preference**  
This course is designed to enable participants to understand and apply Jungian concepts as one approach to health promotion. The Myers-Briggs Type Indicator (MBTI) is used as a springboard for creating awareness and understanding for the application of typology to health promotion. The focus of the course is experiential in nature and the goal is to gain a better understanding of self and others in relation to health promotion issues (i.e., stress management, heart disease, relationships, and team building). Prerequisite: junior standing. Offered Occasionally.

SHE 494 Cr.3-15  
**Student Teaching: Early Childhood-Adolescence**  
Student teaching is a full day, full school semester, professional experience in selected elementary and secondary schools with qualified, approved cooperating teachers. Orientation, seminars and classroom projects required. May be repeated for credit in a subsequent semester for each additional licensure. Prerequisite: completion of all requirements in education, including special methods courses; recommendation by the appropriate education program faculty; 2.75 cum GPA and a 2.75 GPA in the major, minor, conc. Consent of department. Satisfactory/Unsatisfactory grading. Offered Fall, Spring.

SHE 495 Cr.3-15  
**Teaching Internship**  
Teaching internship is a full day, full school semester, professional experience in selected elementary and secondary schools with qualified, approved cooperating teachers. Orientation, seminars and classroom projects required. Requires selection for Wisconsin Internship Program placement and a state intern license. Prerequisite: completion of requirements in education, including special methods courses; recommendation by the appropriate education program faculty; 3.00 cum GPA and a 3.00 GPA in the major, minor, conc. and professional course work; Praxis II. Consent of department. Satisfactory/Unsatisfactory grading. Offered Fall, Spring.

### Science and Health (SAH)

+ next to a course number indicates a general education course

#### Courses

+ **SAH 105 Cr.3**  
  **Analysis of Health, Wellness and Disease for the Health Care Consumer**  
  In our technological world, health research and information is expanding rapidly and has become readily available to consumers. As life-long consumers of this information and health care services, students need to be able to understand the principles on which healthcare is based and to interpret this information in its application to their personal, family and community situations. This course uses an inquiry-based format to consider topics in nutrition, pharmaceuticals, cancer, communicable disease, contraception and sexually transmitted disease, chronic diseases, environmental impacts on health, recreation, fitness, epidemiology and disease prevention. Offered Fall, Spring.

  **SAH 160 Cr.1**  
  **Keys to Success for the Science Major**  
  Students in this course will explore the role of science in society as well as in their personal lives. The course will provide an orientation to the study of science, math, and computer science including academic, internship, and research opportunities that are available at UW-L. Students will also learn about careers in these areas and how to become viable candidates for employment, graduate school, or professional school. Prerequisite: one semester of college course work, and freshman or sophomore standing. Eleven-week course. Offered Spring.
Sociology (SOC)

+ next to a course number indicates a general education course

Courses

SOC/WGS 105 Cr.3
Introduction to LGBT Studies
This course will focus on the relationship between science and culture, specifically with regard to women. A comprehensive approach will be taken to explore both women’s roles in science and women as objects of scientific investigation. Issues that will be addressed include social and historical attitudes toward women in science, cultural and historical barriers fought against and overcome by women, and contributions of women to multiple scientific disciplines. Women as objects of psychological and physiological investigation will be explored, and knowledge will be applied to an assessment of how cultural and gender biases have impacted women’s health and lives. Prerequisite: junior standing. Offered Annually.

SOC 110 Cr.3
The Social World
An analysis of the complex relationship between society, the individual and the physical environment. It examines such questions as: how social patterns develop and persist over time; how the individual is shaped by social, cultural and environmental factors; why societies are constantly changing; and how individuals, through social interaction, shape their social world. Cross-cultural comparisons will be emphasized, showing how society and the physical environment affect the life choices of individuals. Offered Annually.

SOC 120 Cr.3
Social Problems
Social analysis, critical thinking, and problem solving are introduced as basic social science skills. These skills are applied to major contemporary social problems related to deviant behavior, social inequality, social change, and problems associated with major societal institutions. A variety of individual and collective responses and social policy strategies at local, national, and international levels are examined. Offered Fall.

SOC 200 Cr.3
Foundations of Sociological Analysis
Designed for sociology majors, this course focuses on: (1) learning to think sociologically, including a deeper comprehension of core sociological perspectives and concepts; (2) understanding sociological methods in sociology; (3) the formulation of sociological research questions; (4) the resources and skills needed to effectively write a critical literature review; and (5) professionalism including how to build a curriculum vitae, resume, careers in sociology, presenting at professional conferences, and applying to graduate school. Sociology majors should take this course as soon as possible after completing SOC 110, as the skills taught in this course will benefit students in their upper division sociology courses. Prerequisite: SOC 110; sociology major plan. Offered Annually.

May 310 Cr.3
Changing the Culture, Women in Science (ES)
This course will focus on the relationship between science and culture, specifically with regard to women. A comprehensive approach will be taken to explore both women’s roles in science and women as objects of scientific investigation. Issues that will be addressed include social and historical attitudes toward women in science, cultural and historical barriers fought against and overcome by women, and contributions of women to multiple scientific disciplines. Women as objects of psychological and physiological investigation will be explored, and knowledge will be applied to an assessment of how cultural and gender biases have impacted women’s health and lives. Prerequisite: junior standing. Offered Annually.

ANT/SOC 202 Cr.3
Contemporary Global Issues
This course will offer a contemporary multi-disciplinary perspective regarding the major issues and trends confronting the Global Society as it enters the 21st century. Emphasis will be given to a critical review and assessment of the origin and present condition of the plethora of situations and problems affecting modern Global Society. The student will also learn to critically evaluate current and future events. The course will incorporate the views and approaches of the following disciplines: sociology/anthropology, economics, geography, political science and history. Cross-listed with ANT/ECO/GEO/HIS/POL/SOC 202; may only earn credit in one department. Offered Annually.

SOC 212 Cr.3
Marriage and Family
An investigation into the many facets of love and how marriage and family experiences typically alter the nature of marital intimacy. The social construction of our sexual identities is also explored as well as the significance of this process to our quality of life. The major course emphasis is given to understanding the contemporary institutions of marriage and family, and the changes that these institutions are now experiencing. Offered Spring.

SOC 216 Cr.3
Society and Schools
A social analysis and review of research on the school as a learning environment, a social organization and a societal institution. Specific topics include classroom interaction, school social climate, social inequalities in the schools, and selected educational controversies. Offered Occasionally.

+SOC 225 Cr.3
Racial and Ethnic Minorities (ES)
This course offers a critical examination of the social dynamics shaping race and ethnicity in the United States. Students will examine both historic and contemporary issues related to race and ethnicity including the social construction of race, sources of prejudice, institutional and individual-level discrimination, power relations and stratification, and strategies for addressing racial and ethnic inequality. Emphasis is placed on the use of empirical evidence to evaluate popular beliefs about race and ethnicity in the United States. Offered Annually.

SOC 240 Cr.3
The Sociology of Sport and Leisure
An investigation of the interrelationship between sports/leisure time activities and society’s social structure; its institutions and culture. Special emphasis is on the role social structure plays in the formation of values and attitudes related to sports and leisure time activities. Offered Occasionally.

SOC 250 Cr.3
Methods of Social Research I
This course introduces students to principles and procedures for the quantitative measurement of social phenomena. It emphasizes interpretation and uses of quantitative techniques in sociological data analysis. The primary goal is to provide students with skills and practical application of techniques used to understand how sociologists measure, evaluate and use individual and social indicators such as socioeconomic status, residential segregation, and crime statistics. The department strongly encourages students to take SOC 200 and SOC 250 concurrently. Prerequisite: SOC 110; sociology major plan. Offered Annually.
ANT/SOC 307 Cr.3
International Development and Culture Change
This course provides students with an overview of socio-cultural theories of international development and culture change. The course examines the cultural construction of ‘development’ as a product of the colonial era, the Cold War, and what has been called the neoliberal global economy. The goal of the course is to provide students with a comprehensive study of the strengths and limitations of contemporary development theory and method in anthropology and sociology, including such topics as conservation and the environment, indigenous peoples, gender and development, and the role of social movements and non-governmental organizations in the developmental process. Prerequisite: ANT 101 or ANT/SOC 202 or SOC 110 or SOC 120. (Cross-listed with ANT/SOC; may only earn credit in one department.) Offered Occasionally.

SOC 310 Cr.3
Social Stratification
The nature, study, theories and types of social stratification systems are examined along with the forces contributing to their maintenance and disruption. Prerequisite: SOC 110 or SOC 120 or SOC 200 or ANT 101. Offered Alternate Years.

SOC 311 Cr.3
Rural and Urban Sociology
Basic sociological concepts and principles are applied to life in rural vs. urban communities. Focus will be on the political economy, the culture, and social problems of rural people in comparison to urban people. Prerequisite: SOC 110 or SOC 120 or SOC 200 or ANT 101. Offered Fall - Even Numbered Years.

SOC 313 Cr.3
Law and Society
Analysis of the origins and functions of law in society. The focus of the course will be upon modern American society and the relationship of law to social change and its impact upon such concerns as civil rights, environmental protection, sex-role differentiation, treatment of handicapped and the mentally ill. Prerequisite: SOC 110 or SOC 120 or SOC 200 or ANT 101. Offered Annually.

SOC 315 Cr.3
Religion and Society
Explores the social and cultural context in which religion functions; the effects of religion upon behavior and attitudes; the social organization of denominations, sects, cults and movements; the relationships between religion and other social institutions; religion and social inequality; social change and the future of religion. Special attention is given to world religions and ethical and public policy issues concerning religion, society, and the individual. Prerequisite: SOC 110 or SOC 120 or SOC 200 or ANT 101. Offered Alternate Years.

SOC/WGS 316 Cr.3
Gender, Sexuality, and Social Change in Religion
This course examines the various gender roles, norms, mobility, restrictions and empowerment that people experience within religious traditions, for example: Christianity, Judaism, Islam, Hinduism and Buddhism. Global case studies and engaging narratives focused on the intersections of gender, sexuality, race, and religion will be considered. Special attention will be paid to feminist laypersons and religious leaders who are reformulating traditional understandings and practices, and in turn, negotiating their agency within secular and spiritual spaces. Prerequisite: WGS 100 or WGS 230 or SOC 110 or SOC 120. Offered Occasionally.

SOC 317 Cr.3
Sociology of Media
This course will critically examine the relationship between media, culture and society. In this course, we examine the impact of media in society across multiple areas including the history and structure of media organizations, media economics, methods used in media research, the relationship between political power and the media, and the distinction between news and entertainment. We will give special attention to theoretical approaches used to examine media in each of these substantive areas. Multiple forms of media will be examined including printed presses, radio, television, electronic news, virtual and online communities, film and social networking platforms. Prerequisite: SOC 110 or SOC 120 or ANT 101. Offered Occasionally.

SOC 320 Cr.3
Demography
This course is designed as a basic survey of the field of demography. Sources of population data will be explored along with causes and consequences of population growth, composition and distribution. This course will focus on the concepts, measurements, trends and theories of the major demographic processes of fertility, mortality and migration. Prerequisite: SOC 110 or SOC 120 or SOC 200 or ANT 101. Offered Alternate Years.

SOC 321 Cr.3
Delinquency
This course is an overview of the sociological study of delinquency, with special emphasis on competing theoretical perspectives. In the process of learning about theoretical perspectives aimed at explaining delinquency, this course will pay special attention to gender delinquency, gangs, current events regarding delinquency and the U.S. juvenile justice system. Prerequisite: SOC 110 or SOC 120 or ANT 101. Offered Spring.

SOC 322 Cr.3
Criminology
This course provides an overview of the sociological study of crime in the United States, with a special emphasis on patterns of criminality, competing theoretical explanations of crime, and societal responses to crime. As part of the examination of crime in the U.S., the course explores the definitions, measurement, and patterns of various types of criminal behavior; theory and research on crime; the roles of the victim and offender and the implications of public policy. Specific crimes covered include homicide, hate/bias crime, assault, and white-collar crime. Prerequisite: SOC 110 or SOC 120 or ANT 101. Offered Fall.

SOC 323 Cr.3
Corrections and Penology
This course provides an interdisciplinary review of criminal punishment and correctional systems in the U.S. This course examines dominant punishment philosophies such as deterrence, incapacitation, retribution and rehabilitation. Both institutional and community-based approaches to corrections are covered and particular attention is devoted to understanding the social context of current practices, the nature of correctional populations, and the management of correctional systems. Prerequisite: SOC 110 or SOC 120 or ANT 101. Offered Alternate Years.

SOC 324 Cr.3
Criminal Justice
This course provides an overview of the United States criminal justice system. Issues relating to various segments of the criminal justice system, such as the administration of justice, the police, courts, and correctional systems are explored. Prerequisite: SOC 110 or SOC 120 or ANT 101. Offered Fall.
SOC 325 Cr.3  
**Sociology of Mental Illness**  
An examination of mental health and illness, and mental health care systems in the U.S. and other industrialized and non-industrialized societies, including: the processes involved in identifying and recruiting patients into the mental health care system; a social analysis of psychotherapy, including talk therapies, medications, electro-convulsive treatment and psychosurgery; and social organization of mental hospitals and of community mental health centers; socio-legal issues related to mental illness; and a review and synthesis of social psychological and sociological theories relevant to understanding mental health and illness. Prerequisite: SOC 110 or SOC 120 or SOC 200 or ANT 101 or PSY 100. Offered Fall - Every Third Year.

SOC 326 Cr.3  
**Sociopharmacology**  
The study of the social structural factors related to drug use with emphasis on change at the societal level in dealing with the drug problem. This course examines the current and historical patterns of drug use in society. The emphasis will be on understanding the sequence of initiation, use, and misuse of psychoactive drugs. This course will focus on the social problems and social policy aspects of drugs. Question addressed include: How does society choose which drugs to treat as social problems? What are the potential versus real life effects of current laws and policies intended to curb drug use? What are the treatment and prevention strategies used today? What kinds of programs are successful and why? Prerequisite: SOC 110 or SOC 120 or ANT 101. Offered Every Third Semester.

SOC 328 Cr.3  
**Environmental Sociology**  
Environmental Sociology provides a framework for understanding the role of physical-biological factors in shaping social structures and behaviors as well as the impact of social organization and social change on the natural environment. This course will focus on the conflicts between the logic of economic growth and the realities of both the global environment and social justice within and between societies. Offered Spring.

SOC 330 Cr.3  
**Social Psychology**  
Social psychology from a sociological perspective. Primary attention is given to social behavior and communication patterns in terms of their genesis and change in the context of social groups and social relationships. Prerequisite: SOC 110 or SOC 120 or SOC 200 or ANT 101 or PSY 100. Students may only earn credit in SOC 330 or PSY 241. Offered Alternate Years.

SOC 334 Cr.3  
**Sociology of Small Groups**  
An introduction to the understanding and interpreting of human behavior in small groups. The focus of the course will be to provide students with some analytical tools to understand the social dynamics of small groups as well as the techniques for improving the interpersonal effectiveness of the student in small group situations. Prerequisite: SOC 110 or SOC 120 or SOC 200 or ANT 101. May only earn credit in SOC 334 or CST 365 or PSY 343. Offered Alternate Years.

SOC 335 Cr.3  
**Collective Behavior**  
A systematic study of social processes which emerge in unstructured social situations; principles of behavior as expressed in crowds, mobs, panics, fads, fashions, social movements, personal organization and behavior in unstructured social situations. Prerequisite: SOC 110 or SOC 120 or SOC 200 or ANT 101. Offered Alternate Years.

SOC/WGS 337 Cr.3  
**Globalization, Women, and Work**  
This course examines the global and often exploitative experiences of women, migrating from one part of the world to another for work. As women leave their countries of origin, many find themselves working as nannies, sex workers, house cleaners and modern-day slaves in sweatshops. These work environments often create vulnerability, discrimination, and abuse of women within the private and public institutions of their host countries. The course will also use in-depth personal narratives and a focus on grassroots social movements to witness how women resist workplace policies and domestic laws to campaign for their rights, despite cultural and political constraints. Prerequisite: WGS 100 or WGS 210 or WGS 230 or EFN 205 or ERS 100. (Cross-listed with WGS/SOC; may only earn credit in one department.) Offered Alternate Years.

SOC/WGS 338 Cr.3  
**Sociological Aspects of Work and Life**  
This course will explore the sociological impact of work and life demands in contemporary American society. Special emphasis will be given to how gender, sexual orientation, social class, race and ethnicity, and family structure affect individuals’ ability to balance the demands of work and life. Prerequisite: SOC 110 or SOC 120 or SOC 200 or ANT 101. (Cross-listed with SOC/WGS 338; may only earn credit in one department.) Offered Occasionally.

SOC 340 Cr.3  
**Bioethics and Society**  
A sociological examination of medical/ethical decision-making that includes an analysis of psychosocial aspects of patient care and public policy in medical ethics. Approaches to medical ethics are reviewed in terms of a case-based ethical problem-solving model that includes sociological and demographic factors. The course may be team-taught with colleagues in medical bioethics and will include the social sources of bioethics, social organization of bioethics in health care, and bioethical case studies. Prerequisite: SOC 110 or SOC 120 or SOC 200 or ANT 101 or PHL 100. May only earn credit in SOC 340 or PHL 339. Offered Occasionally.

ERS/SOC 343 Cr.3  
**American Indian Contemporary Issues**  
This course is an interdisciplinary examination of American Indian contemporary experience in the United States. It will introduce students to some of the critical issues in American Indian studies by examining the place of American Indians within the American imagination, politics and society. The course concentrates on issues of tribal sovereignty, economics, social class and structure, and the difficulties of maintaining a tribal identity in the 21st century. Prerequisite: one of the following: EFN 205, ERS 100, ERS 253, HIS 310, SOC 225, or WGS 230. (Cross-listed with ERS/SOC; may only earn credit in one department.) Offered Fall.

SOC 350 Cr.3  
**Methods of Social Research II**  
An overview of the issues and methods involved in the process of scientific investigation of social phenomena. The limitations of, and ethical issues involved in, social research are examined. Data collection methods, both quantitative and qualitative, including surveys, observation, and secondary data analysis are investigated. Students propose and complete a research project, applying material learned in Sociological Research Methods I, including student application of various research techniques and computer-assisted data analysis. Prerequisite: SOC 200, SOC 250. Offered Fall, Spring.
ANT/SOC 354 Cr.3
Peoples and Cultures of Latin America
This course is designed to give students an anthropological perspective on contemporary peoples living in Central and South America, the Spanish-speaking Caribbean, and Mexico. The course provides an overview of Latin American pre-histories, analyzing how the past influences present-day societies. The course then examines particular cultural aspects of the region, such as religion and ideologies, race, ethnicity, and gender, popular culture and the media, culture change, and social movements. Discussions throughout the course will also focus on the Latin American diaspora and how Latin American cultures are shaping, and shaped by, other cultures around the globe. Prerequisite: ANT 101 or ANT/SOC 202 or SOC 110 or SOC 120. (Cross-listed with ANT/SOC, may only earn credit in one department.) Offered Occasionally.

ANT/SOC 360 Cr.3
Catastrophes and Human Societies
An analysis of cultural impact of catastrophic events in human societies - natural and human-engineered disasters. Various dramatic upheavals will be explored across time and cultures as the class examines human and environmental traumas to which societies must adapt, the cultural interpretations/response which follow, and the manner in which major disasters have redefined and redirected the character and probable future history of each damaged, even endangered society. Study cases will include volcanic and weather cataclysms, plagues and associated population crashes, environmental catastrophes, as well as war, terrorism, and bio-terrorism. Prerequisite: SOC 110 or SOC 120 or SOC 200 or ANT 101. (Cross-listed with ANT/SOC; may only earn credit in one department.) Offered Occasionally.

ANT/ERS/SOC 362 Cr.3
Hmong Americans
This is an introductory course to Hmong American history, culture, and contemporary life. The course reviews Hmong history within the context of U. S. foreign policy in Southeast Asia from 1945 to 1975 and examines the sociocultural transformations that have been taking place in Hmong American communities across the U.S. since 1976. Prerequisite: ANT 101 or ANT 195 or SOC/ANT 202 or ARC 100 or SOC 110 or SOC 120. (Cross-listed with ANT/ERS/SOC; may only earn credit in one department.) Offered Occasionally.

ERS/SOC 363 Cr.3
American Indians and the Environment
This course introduces students to American Indian environmental issues. Topics include treaty-based hunting, fishing and gathering rights, air and water quality regulatory authority, environmental racism, toxic and nuclear waste disposal on Indian lands, mining and hydroelectric dams, sacred sites, and Indian vs. Western perceptions of the environment. Special attention will be given to current environmental controversies in Wisconsin Indian country. Prerequisite: one of the following: EFN 205; ERS 100, ERS 253; ERS/SOC 343; SOC 225, SOC 328. (Cross-listed with ERS/SOC; may only earn credit in one department.) Offered Occasionally.

SOC 370 Cr.3
Sociology of Gender
Explores the social construction, variation and consequences of gender categories across time and space. Examines how gender identities are developed and how gender structures our experiences in education, work, families, the media and other institutions. Prerequisite: SOC 110 or SOC 120 or SOC 200 or ANT 101. Offered Alternate Years.

SOC/WGS 375 Cr.3
Lesbian Studies
Examines the social construction of sexual orientation and its meaning for women and women’s equality. The course draws on a range of sources, including scientific research, history, literature, psychological theory, and popular culture. Prerequisite: WGS 100 or WGS 210 or WGS 230 or EN 205. (Cross-listed with SOC/WGS; may only earn credit in one department.) Offered Occasionally.

SOC 390 Cr.3
Early Sociological Theory
Critical survey of scholars who contributed to the rise of scientific sociology, focusing on the historical circumstances, the personalities and the ideas of the prominent early sociologists prior to the mid-twentieth century. Particular attention is given to August Comte, Herbert Spencer, Karl Marx, Emile Durkheim, Max Weber, George Herbert Mead, and C. Wright Mills. Prerequisite: SOC 200. Offered Annually.

SOC 395 Cr.3
Contemporary Sociological Theory
Modern sociological theories at the macro- and micro-levels are summarized, compared and applied. Macro-level theories include social evolution, general systems, functionalist, and social conflict theories. Micro-level theories include interaction, self, role, phenomenological, exchange, rational choice, and interaction ritual theories. The linkage of micro- and macro-level theory in sociology is addressed in network and organizational theories. Selected concepts and perspectives are applied in sociological practice projects. Prerequisite: SOC 200. Offered Spring.

ANT/ARC/SOC 399 Cr.3
SOC/ARC/ANT Forum
Investigation of areas and topics of current sociological/archaeological/anthropological interest not covered in the regular curriculum ranging from local to transnational issues. (Cross-listed with SOC, ANT and ARC, may only earn 12 credits total in SOC, ANT and ARC.) Repeatable for credit - maximum 12. Offered Occasionally.

SOC 404 Cr.3
Global Inequality
This course explores explanations for inequality between countries. Macro-sociological theories and comparative methods are used to analyze cross-cultural and cross-national differences and similarities in basic institutions, including family, education, and political economy. The main course objective is that students develop an understanding of the consequences of living in a world of global inequality. Prerequisite: SOC 110 or SOC 120 or SOC 202 or ANT 101 or ANT 202. Offered Every Third Semester.

SOC 405 Cr.3
Quantitative Social Research Seminar
This course guides students through the completion of an independent quantitative sociological research project. Students conduct research on a topic related to their own interest within the field of sociology using standard quantitative methods such as survey research, evaluation research, or secondary data analysis. Each student formulates a sociologically relevant research hypothesis, designs the appropriate research methodology, reviews relevant theoretical and empirical literature, and gathers and analyzes data in a step-by-step process. The results of the research process are presented in a formal research paper. Prerequisite: SOC 350; SOC 390 or SOC 395. Offered Annually.
ECO/GEO/HIS/POL/PSY/SOC 408 Cr.4
Teaching and Learning History & Social Studies in the Secondary School
This course will be integrated with a field experience. In the context of a real classroom, teacher candidates will learn how to plan for and assess student learning in history and social sciences. With a focus on content knowledge, teacher candidates will plan a variety of meaningful learning experiences, assess student learning, and monitor and modify instruction to best support the individual learners in the classroom. The teacher candidate will design, enact, and assess activities that advance student understanding to more complex levels. Teacher candidates will gain experience in monitoring the obstacles and barriers that some students or groups of students face in school and learn how to design learning experiences to support all learners. HIS/ECO/GEO/POL/PSY/SOC 408 Offered Fall, Spring.

SOC 409 Cr.1-3
Readings and Research in Sociology
Directed readings or research under the supervision of an instructor. Repeatable for credit - maximum 6. Prerequisite: junior standing. Consent of instructor. Offered Fall, Spring.

SOC 410 Cr.3
Sociology Honors Project
The development and completion of an honors research project under the supervision of a faculty member. Prerequisite: acceptance into the sociology honors program. Consent of instructor. Offered Annually.

SOC 414 Cr.3
Policy and Society
This course offers a critical analysis of social policy development and impacts in the United States today. Students will apply sociological theories to explain how demographic changes, collective behavior and other social changes converged to allow specific social policies to be designed, proposed and implemented. Students will also examine the impacts of such policies on the various social groups directly and indirectly affected and compare policies in the U.S. to similar policies in other countries. Social policies such as welfare reform, Social Security and federal agricultural policies are among the topics prospectively covered in this course. Prerequisite: SOC 110 or SOC 120 or ANT 101 or SOC/ANT 202; junior standing recommended. Offered Every Third Semester.

SOC 416 Cr.3
Qualitative Explorations
This course is designed to familiarize students with the major techniques of qualitative data collection and analysis used by sociologists and other social scientists. These include feminist methods, participant observation, in-depth interviewing, biographical methods, content analysis, archival research, and a variety of nonreactive techniques. This course will also address the links among theory, data, and methods and provide an appreciation for the qualitative tradition in social sciences. Students will learn how to conduct field research. The course will follow a seminar format emphasizing reading, group discussion, in- and out- of class exercises, oral presentations, original research and writing. Prerequisite: SOC 350; SOC 390 or SOC 395. Offered Annually.

SOC 420 Cr.3
Health Care and Illness
A survey of the social organization of medical professions, socialization of personnel, sick role dynamics, social construction of illness, lay referral networks, political factors in health care delivery, and problems of various age groups and families in coping with illness in several societies. Prerequisite: SOC 110 or SOC 120 or SOC 200 or ANT 101. Offered Fall - Even Numbered Years.

PSY/SOC 422 Cr.3
Death, Grief, and Bereavement
A study of the interaction of individuals and families coping with dying and death in various social settings including hospitals, care facilities, and hospices. Topics include psychosocial aspects of grief and mourning, sociological dimensions of bereavement, and various rituals of funeralization in the U.S. and other societies. Special attention is given to case studies and medical/ethical decision-making at the end of life, as well as other aspects of the social organization of death, dying, and bereavement. Students cannot earn credit in both SOC 422 and PSY 422. Prerequisite: PSY 100 or SOC 110 or SOC 120 or ANT 101; junior standing. Offered Annually.

SOC 429 Cr.3
Sociology of Deviance
This course provides an overview of the sociological study of deviance. Various definitions of deviance are examined within the context of individuals, behaviors, and groups who are considered deviants as well as those who apply the deviant labels. The course explores a variety of theoretical perspectives of deviance and social construction of deviance, the enforcement of social norms, and the social control systems that are established to respond to deviance. A variety of forms of deviance are covered, including: mental illness, drug and alcohol use, sexual deviance, and suicide. Prerequisite: SOC 110 or SOC 120 or ANT 101. Offered Spring.

SOC 450 Cr.3-15
Internship in Sociology
An academically relevant field experience for majors and minors in sociology/anthropology. The field experience will be supervised by the sociology/anthropology staff. No more than six credits may be applied to a major in sociology and no more than three credits toward sociology minor or anthropology minor. Repeatable for credit — maximum 15. Prerequisite: SOC 110; junior standing: cumulative GPA of at least 2.50. Pass/Fail grading. Offered Annually.

SOC 451 Cr.3
Internship in Criminal Justice
An academically relevant field experience for minors in criminal justice. Prerequisite: SOC 324; junior standing; criminal justice minor plan. Pass/Fail grading. Offered Annually.

SOC 485 Cr.1-2
Research Apprenticeship in Sociology
The student will assist a faculty member in any phase of the research process including literature searches, research design, data gathering and data analysis. Repeatable for credit - maximum 4. Prerequisite: SOC 200, SOC 250. Consent of instructor. Pass/Fail grading. Offered Fall, Spring.

SOC 486 Cr.1-2
Teaching Apprenticeship in Sociology
This course provides preparation and experience in a variety of instructional practices, strategies, and techniques. Students study theory and research on teaching and practice teaching skills under the guidance of faculty members. Repeatable for credit - maximum 4. Prerequisite: SOC 200, SOC 250; junior standing; minimum 3.25 GPA. Consent of instructor. Pass/Fail grading. Offered Fall, Spring.

SOC 499 Cr.3
Seminar in Sociology
Intensive study of some specific area or problem of sociology. Repeatable for credit - maximum 6. Prerequisite: SOC 350 or SOC 390 or SOC 395. Offered Occasionally.
Spanish (SPA)

Courses

SPA 101 Cr.4
Elementary Spanish I
The first of two introductory courses in Spanish. The five language skills are introduced: listening, speaking, writing, reading and culture. (Not open to students with more than two years of high school Spanish.) Offered Summer.

+SPA 102 Cr.4
Elementary Spanish II
The second introductory course in Spanish comprehension, speaking, writing, reading, and culture. Prerequisite: SPA 101 or placement based on UW System Spanish Placement Test score. Offered Fall, Spring.

+SPA 103 Cr.4
Elementary Spanish I and II
This is an introductory course that covers in one semester the essential content of first-year Spanish. It is designed for students with two or more years of high school Spanish or with previous experience learning a foreign language. Special emphasis is placed on facilitating the development of oral communication. Prerequisites: a minimum of two years of high school foreign language and departmental placement. Not open to students who have taken SPA 101 or SPA 102. Offered Fall, Spring.

+SPA 201 Cr.4
Intermediate Spanish I
The first of two intermediate-level Spanish courses. Students continue to develop all language skills with special emphasis placed on refining speaking and listening comprehension. Prerequisite: SPA 102 or placement based on UW System Placement Test scores. Offered Fall, Spring.

+SPA 202 Cr.4
Intermediate Spanish II
The second of two intermediate-level Spanish courses. Students continue to develop all language skills with special emphasis placed on refining reading and writing in Spanish. Prerequisite: SPA 201 or placement based on UW System Placement Test scores. Offered Fall, Spring.

SPA 300 Cr.4
Oral Proficiency Through Grammar Review
This is a Spanish language course for intermediate-level learners who have completed Spanish 202 or equivalent. Its aim is to help students continue to develop communicative competence. Although students will practice reading and writing, emphasis will be placed on speaking and grammar review. The target level for student proficiency is Intermediate-High/Advanced Low on the ACTFL scale. Prerequisite: SPA 202 or equivalent, or appropriate departmental placement. Offered Fall, Spring.

SPA 303 Cr.4
Integrated Skills Development I
Development of Spanish proficiency in speaking, reading, writing and listening with emphasis on reading and writing. Students will advance their cultural knowledge by working with a variety of texts. Lect. 3, Lab. 2. Offered Fall, Spring.

SPA 304 Cr.4
Integrated Skills Development II
Development of Spanish proficiency in speaking, reading, writing and listening with emphasis on listening and speaking. Students will advance their cultural knowledge by working with a variety of texts. Lect. 3, Lab. 2. Prerequisite: SPA 202. Offered Fall, Spring.

SPA 305 Cr.3
Introduction to Hispanic Literature
An introductory literature course designed both for students desiring to develop an appreciation of Hispanic literature and those planning to pursue more advanced courses requiring a critical background. The course may include works from the following genres: narrative, poetry, drama and essay. Prerequisite: SPA 300 or (SPA 303 and SPA 304). Offered Fall, Spring.

SPA 306 Cr.3
Spanish for the Health Professions
A course designed to help students develop the skills necessary to work in the healthcare professions. Students will learn essential vocabulary; gain an understanding of cultural differences; engage in role plays and interviews that will help them develop communication skills; write reports and summaries centered around medical issues, and practice translating and interpreting. Prerequisite: SPA 300 or (SPA 303 and SPA 304). Offered Spring.

SPA 308 Cr.3
Cultures and Civilizations of the Spanish Speaking World
A study of Spanish-speaking cultures and civilizations using a topical, thematic-based curriculum and following a research- and standards-based approach to the pedagogy of culture. A main focus of the course is the development of intercultural competence with the goal of helping students to achieve a greater level of critical awareness of their own culture and those of the Spanish-speaking world. Prerequisite: SPA 300 or SPA 303 and SPA 304. Offered Annually.

SPA 315 Cr.3
Business Spanish
A course designed to prepare advanced students of Spanish to communicate effectively in the business world. Intensive practice in oral comprehension, speaking, writing, utilizing special, topical vocabulary related to international commerce. Strongly recommend MGT 100 or concurrent enrollment. Prerequisite: SPA 300 or (SPA 303 and SPA 304). Offered Spring - Odd Numbered Years.

SPA 320 Cr.3
Spanish Civilization
A study of the civilization of Spain, from pre-historic times to the present; this includes such topics as political developments, geography, literature, art, music, and the current situation. Prerequisite: SPA 300 or (SPA 303 and SPA 304). Offered Fall, Spring.

SPA 321 Cr.3
Spanish American Civilization
A study of Spanish-speaking cultures and civilizations using a topical, thematic-based curriculum and following a research- and standards-based approach to the pedagogy of culture. A main focus of the course is the development of intercultural competence with the goal of helping students to achieve a greater level of critical awareness of their own culture and those of the Spanish-speaking world. Prerequisite: SPA 300 or SPA 303 and SPA 304. Offered Annually.

SPA 326 Cr.1
Current Events
A study of the civilization of Spain, from pre-historic times to the present; this includes such topics as political developments, geography, literature, art, music, and the current situation. Prerequisite: SPA 300 or (SPA 303 and SPA 304). Offered Fall, Spring.

SPA 327 Cr.1
Grammar Review
Students will study the major features of Spanish grammar at the intermediate level. The course is designed to provide a comprehensive review of the following major grammar features of Spanish: verb forms and tenses; pronouns; prepositions; formation and use of the subjunctive in noun, adjective and adverbial clauses; use of preterit and imperfect past tenses; contrastive uses of ser, estar and haber, and passive voices. Prerequisite: SPA 300 or (SPA 303 and SPA 304). Offered Fall, Spring.
SPA 328 Cr.1
Reading for Language Proficiency
A course designed to help students improve their reading skills, thus facilitating their entry into the upper level Spanish courses. Students will read and discuss a short novel in Spanish while learning reading strategies and building their vocabulary. Prerequisite: SPA 300 or (SPA 303 and SPA 304). Offered Fall, Spring.

SPA 329 Cr.1
Reporting and Publishing News in Spanish
A course designed to help students improve their reading, writing and narration skills in Spanish. Students will investigate and write about campus and local area events and then publish them in an electronic and paper form newsletter periodically throughout the semester. Prerequisite: SPA 300 or (SPA 303 and SPA 304). Offered Fall, Spring.

SPA 330 Cr.3
Advanced Grammar and Syntax
A comprehensive survey of grammatical principles with an examination of the main syntactical elements of the Spanish language. Prerequisite: SPA 300 or (SPA 303 and SPA 304). Offered Fall, Spring.

SPA 331 Cr.4
Spanish Phonetics
Comparison of English and Spanish sounds. Systematic study of the production of Spanish sounds. Individual work with native tapes and recording of student's pronunciation and intonation. Prerequisite: SPA 300 or SPA 303. Offered Fall, Spring.

SPA 351 Cr.4
Films in Spanish
The study of films of the Spanish-speaking world. Film viewing, discussion and writing assignments will all be in Spanish. Lect. 3, Lab. 2. Prerequisite: SPA 300 or (SPA 303 and SPA 304). Offered Spring.

SPA 390 Cr.3
Topics in Hispanic Cultures
A course designed to investigate areas of current social and cultural interest in Hispanic/Latin American culture. Topics will vary. Prerequisite: SPA 300 or (SPA 303 and SPA 304). Offered Spring - Odd Numbered Years.

SPA 402 Cr.3
Spanish Literature II
Principal authors from the generation of 1898 to the present. Prerequisite: SPA 300 or (SPA 303 and SPA 304); SPA 305. Offered Occasionally.

SPA 403 Cr.3
Studies in Hispanic Literature
A course designed to allow flexibility in the study of current topics of interest in Spanish or Latin American literature. Prerequisite: SPA 305 or equivalent. Offered Occasionally.

SPA 410 Cr.3
Advanced Conversation
Oral work based on Spanish life, culture, and literature. Prerequisite: SPA 300 or (SPA 303 and SPA 304). Offered Occasionally.

SPA 420 Cr.3
Latin American Literature I
A course designed to study the main literary works of Latin America from pre-colombian times through the 19th Century. Prerequisite: SPA 300 or (SPA 303 and SPA 304); SPA 305. Offered Occasionally.

SPA 421 Cr.3
Latin American Literature II
A course designed to explore new trends and themes in the writings of contemporary Spanish American authors. Prerequisite: SPA 300 or (SPA 303 and SPA 304); SPA 305. Offered Occasionally.

SPA 425 Cr.3
Latino Literature of the United States
Backgrounds, literary influence and major works of an emerging new literature of the United States, written by Hispanic minorities. Works are read in the original language or in translation. Prerequisite: SPA 300 or (SPA 303 and SPA 304); SPA 305. Offered Occasionally.

SPA 427/527 Cr.1
Spanish Grammar for Teachers
A review of selected essential concepts of Spanish grammar with a focus on developing effective strategies for teaching them to beginning Spanish students. Prerequisites: SPA 300 or (SPA 303 and SPA 304); one additional 300-level course in Spanish; junior standing. Offered Spring.

SPA 440 Cr.3
The Spanish Novel
A study of the Spanish novel. Masterpieces from the picaresque to the contemporary novel will be read. Prerequisite: SPA 300 or (SPA 303 and SPA 304); SPA 305. Offered Occasionally.

SPA 441 Cr.3
The Spanish Theater
A study of Spanish drama. Works to be read will be chosen from masterpieces from the Renaissance and Baroque periods to the modern theatre. Prerequisite: SPA 300 or (SPA 303 and SPA 304); SPA 305. Offered Occasionally.

SPA 450 Cr.1-4
National/International Intern Program
A course in Spanish individually tailored to fit career needs: cultural awareness, technical vocabulary in Spanish to prepare students who elect internship credits in other departments. Spanish majors or minors, or other students having the equivalency of SPA 202 may elect to take these credits off campus. Repeatable for credit — maximum 4. Offered Occasionally.

SPA 460 Cr.3
Introduction to Hispanic Linguistics
This course is designed as an introduction to the field of Hispanic Linguistics. It surveys the different levels of language analysis including linguistics as a cognitive science, phonetics and phonology, morphology, syntax, history of the Spanish language, semantics and pragmatics, and linguistic variation in Spanish. Prerequisite: SPA 330, SPA 331. Offered Fall.

SPA 470 Cr.3
Introduction to Spanish Translation
An introduction to the theoretical and technical aspects of translation from English to Spanish and Spanish to English with special attention paid to methods, techniques, research, documentation, and problems involved in written translation. It is also designed as a course aimed at improving language skills for intermediate-high and advanced students of Spanish through the use of translation as research mechanism, a means for critical analysis, and as a skill-building tool. Emphasis is on written discourse culled from journals, newspapers, and commercial texts, with some consideration of specialized material from the fields of business, literature, technology, and the social sciences. Prerequisite: SPA 300 or (SPA 303 and SPA 304); SPA 330. Offered Fall - Odd Numbered Years.
SPE 471 Cr.3
Introduction to Principles of Spanish Interpreting
This course consists of an introduction to the theoretical and technical aspects of oral interpretation from English to Spanish and Spanish to English, with special attention paid to methods, cognitive models, theory, techniques, and problems associated with ethics and procedure. It is also designed as a course aimed at improving language skills for intermediate-high and advanced students of Spanish through the use of interpreting for critical discourse analysis. Emphasis is on the state of the profession in the community interpreting fields of medical and legal settings, with some consideration of specialized material from the fields of business and social services. Prerequisite: SPA 300 or (SPA 303 and SPA 304); SPA 330. Offered Fall - Even Numbered Years.

SPE 491 Cr.3
Films and Literature
Viewing and criticism of sub-titled films and reading their literary sources in translation. Prerequisite: one course in literature from either the foreign language or English department. Offered Occasionally.

SPA 495 Cr.2
Senior Seminar in Hispanic Studies
A seminar for students who possess the background and ability to engage in individual research related to social, cultural or literary aspects of the Hispanic world. Readings, oral presentations of ongoing research and a seminar paper are required. Prerequisite: SPA 300 or (SPA 303 and SPA 304); SPA 305; plus one 400 level literature course or concurrent enrollment. Offered Occasionally.

SPA 498/598 Cr.1-3
Independent Study
Fieldwork, research and individual projects in a specific area of Spanish language, civilization or literature. Registration with the consent of instructor and the department chair. Repeatable for credit — maximum 6. Prerequisite: two advanced courses and junior standing. Consent of instructor. Offered Occasionally.

SPA 499/599 Cr.1-3
Independent Study
Fieldwork, research, individual projects in a specific area of Spanish language, civilization or literature. Registration with the consent of instructor and the department chairperson. Repeatable for credit — maximum 6. Prerequisite: two advanced courses and junior standing. Consent of instructor. Offered Occasionally.

Special Education (SPE)

Courses

SPE 207 Cr.3
Teaching and Learning about Deafness and Communication I
Students will use American Sign Language to learn about instructing students with a hearing loss in the elementary school setting. The course focuses on providing service within special education parameters. Students will explore Deaf Culture, intricacies of instructing students who have a hearing loss, including appropriate instructional strategies, accommodations, modifications, and assistive technology. Prerequisite: sophomore standing. Offered Fall, Spring, Summer.

SPE 214 Cr.3
Teaching and Learning about Deafness and Communication II
Students will use American Sign Language to learn about instructing students with a hearing loss in the intermediate and middle school setting. The course focuses on providing service within special education parameters. Students will expand knowledge of Deaf Culture, intricacies of instructing intermediate and middle school level students who have a hearing loss, including appropriate instructional strategies, accommodations, modifications, and assistive technology. Prerequisite: SPE 207 or SPE 475 (Teaching and Learning American Sign Language). Offered Fall, Spring, Summer.

SPE 401/501 Cr.3
Introduction to Exceptional Individuals
This course is a general survey of exceptional individuals (disabled and gifted) from birth to 21 years of age. It provides an introduction to special education including history, law, definitions and classification systems, characteristics, etiology, provision of services and educational interventions and procedures related to the various disabilities covered under the law. Prerequisite: completion or concurrent enrollment in one of the following: ECE 327, EDS 351, EDS 402, SHE 310; admission to teacher education; junior standing. Offered Fall, Spring, Summer.

SPE 424/524 Cr.3
Classroom Management and Positive Behavior Practices
This course is designed to provide intervention methods and strategies for classroom management as well as positive behavior intervention. The course provides theoretical foundations and practical applications for preventing behavior problems, and for intervening when problems occur. Prerequisite: SPE 401 or ESS 231; admission to special education program or adapted physical education program; junior standing. Offered Fall, Spring.

SPE 430/530 Cr.1
Seminar in Special Education
This course provides students, currently student teaching, to have directed discussions regarding issues that are occurring in the special education or inclusionary general classroom Students will meet on-campus to analyze and discuss their experiences with their peers. This course is designed for persons seeking initial teaching licensure in general education and cross-categorical special education. Prerequisite: completion of all special education certification courses; completion of all general education licensure requirements for student teaching; to be taken concurrently with SPE 483 or SPE 484. Pass/Fail grading. Offered Fall, Spring.

SPE 431/531 Cr.3
Language Development and Communication Disorders
This course is an introductory course to the stages of normal language development from infancy through later adolescence including the language factors (phonology, morphology, syntax, semantics, pragmatics) in receptive and expressive language. The course also focuses on the specific language characteristics and problems of students with disabilities and the impact on language-based academics. Prerequisite: junior standing. Offered Fall.

SPE 440/540 Cr.3
Collaboration and Transition: From School to Community
This course is designed to prepare teachers to collaborate and problem-solve as members of educational teams composed of professionals, agency representatives, and parents. This course focuses on the development of transition plans for adolescents with specific learning disabilities, emotional/behavioral disabilities, and cognitive disabilities; and the plan's impact on educational curriculum and instructional practices, career development and placement practices. Responsibilities of the teacher as a collaborative team member will be covered. Prerequisite: junior standing. Offered Spring.
SPE 446/546 Cr.3
Methods in Cross-Categorical Special Education-Middle Childhood/Early Adolescence
This course focuses on curriculum, methods and strategies used in educating students with disabilities (Emotional/Behavioral Disabilities, Specific Learning Disabilities, and Cognitive Disabilities) at the middle childhood/early adolescence age level in a variety of educational placements. Topics covered within this course include academic instruction appropriate for students at the middle childhood/early adolescence age level. Prerequisite: SPE 401; admission to SPE program; junior standing. Offered Spring.

SPE 447/547 Cr.3
Methods in Cross-Categorical Special Education-Early Adolescence/Adolescence
This course focuses on curriculum, methods and strategies used in educating students with disabilities (Emotional/Behavioral Disabilities, Specific Learning Disabilities, and Cognitive Disabilities) at the early adolescence/adolescence age level in a variety of educational placements. Topics covered within this course include academic instruction appropriate for students at the early adolescence/adolescence age level. Prerequisite: SPE 401; admission to SPE program; junior standing. Offered Spring.

SPE 452/552 Cr.3
Individual Educational Assessment
This course addresses educational assessment as it relates to the needs of students with specific learning disabilities, emotional/behavioral disabilities, and cognitive disabilities in the context of educational needs. Specific approaches for the evaluation of special education eligibility, teaching and instruction, and monitoring student progress are discussed, including norm-referenced tests, curriculum-based assessment, ecological assessment, and observational technique. Prerequisite: SPE 401; admission to SPE program; junior standing. Offered Fall.

SPE 461/561 Cr.1
Clinical in Special Education
This course is a field experience for students seeking special education licensure. Students are placed in a public school special education or inclusionary general education classroom setting in which they will experience daily activities with children identified with disabilities including specific learning, emotional/behavior, and cognitive disabilities and become familiar with special education teacher responsibilities. This experience consists of a partial-day classroom experience in school setting under the direct supervision of a teacher certified to teach students with mild disabilities at the middle childhood/early adolescence or early adolescence/adolescence age level. This experience provides a setting in which students are to develop observation and small group teaching experiences. This course is designed for persons seeking initial teaching licensure in general classroom instruction and cross-categorical special education. Prerequisite: SPE 401; admission to SPE program; junior standing. Pass/Fail grading. Offered Fall, Spring.

SPE 475/575 Cr.1-3
Special Topics Seminar in Special Education
This course is designed to allow students to explore current topics, trends, and issues in the field of special education. Topic(s) to be studied are selected by the instructor based on interest and need. Repeatable for credit — maximum six. (Maximum three credits applicable to master’s degree). Prerequisite: junior standing. Offered Occasionally.

SPE 483/583 Cr.11
Student Teaching Cross-Categorical Special Education: Middle Childhood-Early Adolescence
This student teaching experience is a full-day (18-week) experience in a public school special education or inclusionary general education classroom setting. Students are placed in a state approved special education program serving students identified with disabilities (specific learning disabilities, emotional/behavioral disabilities, and/or cognitive disabilities) at middle childhood/early adolescence age level. This experience provides a setting in which students are to demonstrate teaching and assessment abilities related to students with special needs. Students work under the immediate supervision of a certified teacher and a university supervisor. This course is designed for persons seeking initial licensure in middle childhood/early adolescence education and cross-categorical special education at the middle childhood/early adolescence level. Prerequisite: Completion of special education certification courses and all requirements in education, including special methods courses; recommendation by appropriate education faculty; 2.75 cumulative GPA and a 2.75 GPA in the major, minor, concentrations, and professional course work; an official Praxis II content test score report in the appropriate certification area/discipline documenting passing scores; and an official Wisconsin Foundations of Reading test score report documenting passing scores. To be taken concurrently with SPE 430/530. Consent of department. Satisfactory/Unsatisfactory grading. Offered Fall, Spring.

SPE 484/584 Cr.11
Student Teaching Cross-Categorical Special Education: Early Adolescence-Adolescence
This student teaching experience is a full-day (18-week) experience in a public school special education or inclusionary general education classroom setting. Students are placed in a state approved special education program serving students identified with disabilities (specific learning disabilities, emotional/behavioral disabilities, and/or cognitive disabilities) at the early adolescence/adolescence age level. This experience provides a setting in which students are to demonstrate teaching and assessment abilities related to students with special needs. Students work under the immediate supervision of a certified teacher and a university supervisor. This course is designed for persons seeking initial licensure in early adolescence/adolescence and cross-categorical special education at early adolescence/adolescence level. Prerequisite: Completion of special education certification courses and all requirements in education, including special methods courses; recommendation by appropriate education faculty; 2.75 cumulative GPA and a 2.75 GPA in the major, minor, concentrations, and professional course work; an official Praxis II content test score report in the appropriate certification area/discipline documenting passing scores; and an official Wisconsin Foundations of Reading test score report documenting passing scores. To be taken concurrently with SPE 430/530. Consent of department. Satisfactory/Unsatisfactory grading. Offered Fall, Spring.

SPE 499 Cr.1-3
Individual Study
Reading and research in an area of student interest under the direction of an education instructor. Open to elementary and secondary education students with excellent records. Admission by consent of instructor, adviser and department chair. Repeatable for credit — maximum 3. Consent of instructor. Offered Occasionally.

Teaching English to Speakers of Other Languages (TSL)
Courses

**TSL 350 Cr.1-6**

**ESL Program Development**
This course is designed for teachers or prospective teachers working toward teacher certification or re-certification in ESL. Program topics, which focus on special needs of ESL learners and teachers, include methods, curriculum development, culture, language acquisition, applied linguistics, sociolinguistics, and sociopolitical concerns. Repeatable for credit – maximum 12. Offered Spring.

**TSL 400 Cr.3**

**Program Models for Second Language Acquisition**
An introduction to program models that contribute to successful second language acquisition. Topics include the history of bilingual and ESL educational policies and practices in the U.S., second language acquisition (SLA) theory, effective program models and instructional approaches, and second language assessment tools. Prerequisite: admission to teacher education or INS 250, INS 251, INS 252 series or one of the following: ANT 350; CST 332; EDS 308, EDS 351; ENG 330, ENG 332, ENG 334, ENG 337, ENG 432, ENG 434, ENG 439; MLG 340; PHL 311; PSY 282, PSY 360, PSY 436; SPA 460, SPA 471; SPE 431; TSL 425; junior standing. Offered Fall.

**TSL 425 Cr.3**

**Global Issues in TESOL**
The study of global English, cross-cultural second language proficiency standards, and sociopolitical issues related to educational practices. Students explore relationships between teaching English to speakers of other languages (TESOL) and current events in three or more world regions. Prerequisite: admission to teacher education or completion of the INS 250, INS 251, INS 252 study abroad series or one course from the following: ANT 350; CST 332; MLG 309; ENG 332, ENG 334, ENG 432; PHL 311; PSY 280, PSY 362, PSY 436; SPA 460, TSL 425. Offered Occasionally.

**TSL 450/550 Cr.1-12**

**TESOL National/International Intern Program**
Practical experience tutoring or teaching non-native speakers of English. Examples of sites are adult literacy programs, after-school enrichment programs, university-level ESL programs, and EFL programs abroad. Repeatable for credit - maximum 12. Prerequisite: CST 110; ENG 110 or ENG 112; junior standing; consent of TESOL coordinator. Consent of department. Pass/Fail grading. Offered Occasionally.

**TSL 463/563 Cr.3**

**Teaching English to Speakers of Other Languages Methods**
This course is designed to give pre-service teachers a basic understanding of classroom applications of second language acquisition theories, teaching techniques, curriculum and lesson development, classroom environment issues and sociopolitical concerns in the field of teaching English to speakers of other languages. Prerequisite: TSL 400, TSL 450; 6 credits from the following: ANT 350; CST 332; EDS 308, EDS 351, EDS 412; ENG 330, ENG 332, ENG 334, ENG 337, ENG 432, ENG 434, ENG 439; MLG 340; PHL 311; PSY 282, PSY 360, PSY 436; SPA 460, SPA 471; SPE 431; TSL 425; junior standing. Offered Spring.

**TSL 498 Cr.1-3**

**Independent Study**
Field work, research, individual projects in a specific area related to Teaching English to Speakers of Other Languages. Registration with the consent of instructor and the department chairperson. Repeatable for credit - maximum 6. Prerequisite: junior standing. Consent of instructor. Offered Occasionally.

Theatre Arts (THA)

+ next to a course number indicates a general education course

Courses

**+THA 110 Cr.2**

**Theatre Appreciation**
A study of theatre as an art form. Emphasis on the role of the audience as collaborators in the performance and their understanding and appreciation of the elements of a theatrical production. Offered Fall, Spring, Summer.

**+THA 120 Cr.3**

**Acting for Non-Majors**
This course emphasizes the development of the actor’s instrument by introducing the student to the basic imaginative, physical, and vocal skills necessary for acting. It also enhances the student’s understanding of the cooperative nature of acting. It prepares them to create, discuss, rehearse, and perform. The student will apply these techniques in an interactive studio setting. Offered Spring.

**+THA 130 Cr.3**

**Multicultural U.S. Plays: Acting the Text**
In this performance-based course students will study and perform dramatic literature from multiple cultures within the U.S. society. Plays will be selected from African-American, Asian-American, Native American, Hispanic-American, Lesbian/Gay/Transgendered/Bisexual and other cultures for study. Students will research cultural context, analyze the plays, develop basic skills in performance, and prepare and perform scenes from the plays under study, in order to enhance student awareness and exchange ideas about the multicultural nature of the U.S. No acting experience required. Offered Spring.

**+THA 201 Cr.3**

**Dramatic Literature and Theatre Arts**
From text to theatre, how does dramatic literature translate into live performance? To read plays is but one aspect of the art of drama. To create a theatrical performance from a playscript is to appreciate the full artistic potential of dramatic literature. International and multicultural theatre ranging from the classical to the contemporary will be the basis for explorations into the significance and beauty of the dramatic arts. An interdisciplinary approach in both content and method will be used as the dramatic literature is considered in the context of history and culture, literature and art. Offered Fall.

**THA 210 Cr.3**

**Foundations of Theatrical Production**
This course introduces the student to the fundamentals of theatre by exploring the theories and practices of production elements, script analysis and the specific goals, procedures and policies of the theatre arts department. Offered Fall.

**THA 220 Cr.3**

**Acting I: Fundamentals**
Theory and practice of the fundamentals of stage acting, including improvisational techniques, audition techniques, acting terminology and development of dramatic action. Offered Spring.

**THA 221 Cr.3**

**Movement for the Stage**
Theory and practice in training the actor’s body to serve as a skillful and expressive means of communication. Emphasis on the student’s awareness of movement as a foundation for character development. Even-numbered years. Offered Fall - Even Numbered Years.
THA 222 Cr.3
Voice and Diction for the Stage
Theory and practice of the fundamentals of vocal production: breathing control, articulation, projection, quality, and expressiveness for the actor. Odd numbered years. Offered Fall - Odd Numbered Years.

THA 231 Cr.3
Stagecraft
Theory and practice of scenic construction. A study of the stage and its equipment; the planning, building and painting of scenery and the practical aspects of stage lighting. Prerequisite: THA 210. Offered Spring - Odd Numbered Years.

THA 232 Cr.3
Costume Crafts
Theory and practice of basic costume construction. Emphasis on the construction of stage costumes and accessories, including, but not limited to, basic pattern adaptation, millinery techniques, costume jewelry techniques and mask construction. Prerequisite: THA 210 for theatre majors and minors. Offered Fall - Odd Numbered Years.

THA 240 Cr.3
Rendering for Theatre
This course will focus on the study of the elements and principles of rendering and their application to theatrical design. Students will focus on application of various rendering techniques used by scenic, costume, lighting and makeup designers in the creative process of interpreting a play script and translating it into visual form. Prerequisite: THA 210. Offered Fall - Odd Numbered Years.

THA 241 Cr.3
Stage Makeup
The theory and practice of the fundamentals of painted theatrical makeup, including various theatrical makeup materials and their applications. The course will rely heavily on the imagination and creative skills of the student and will include research in physical analysis, character analysis, and color theory. Each student will serve as the makeup designer for all projects in this course. Offered Fall - Even Numbered Years.

THA 250 Cr.3
Theatre Studies I:Origins to the Middle Ages
Survey of Western theatre history, dramatic literature and theory in cultural context from origins through the middle ages. Particular attention is paid to the relationship of theatre to religion and to ancient theatre as the foundation for later Western theatre. Recommended to be taken before THA 251, THA 350, and THA 351. Offered Fall - Odd Numbered Years.

THA 251 Cr.3
Theatre Studies II: Renaissance Thru Mid 19th Century
Survey of Western theatre history, dramatic literature and theory in cultural context from the Renaissance through late 19th Century. Attention is focused on the relationship of theatre to the emergence of the early modern period, the rise of nationalism, the Enlightenment, and the growing middle class. Recommended to be taken after THA 250, and before THA 350 and THA 351. Offered Spring - Even Numbered Years.

THA 260 Cr.1
Participation in Theatre Arts Activities
A course for any university student who wishes to gain academic credit for participation in theatre arts. Students receive individual counsel, criticism and evaluation. Repeatable for credit — no maximum. Consent of instructor. Offered Fall, Spring, Summer.

THA 270 Cr.1
Music Theatre Vocal Study
Intensive study of the artistry of singing solo vocal musical theatre repertoire. Study will promote growth in and understanding of: musical theatre vocal technique, breath, body alignment, healthful use of the speaking voice, projection, diction and elocution for the stage. Technical work will be applied through study and performance of musical theatre repertoire. Attendance at a weekly studio class and final performance required. This course is intended for theatre majors pursuing an emphasis in music theatre, after completion of their applied voice requirement in their music minor. Repeatable for credit - maximum 6. Prerequisite: completion of applied voice requirement in music minor; Theatre Arts major - Music Theatre emphasis. Offered Fall, Spring.

THA 271 Cr.1
Singing for the Stage
Intensive study of the artistry of singing solo vocal musical theatre repertoire. Study will promote growth in and understanding of: musical theatre vocal technique, breath, body alignment, healthful use of the speaking voice, projection, diction and elocution for the stage. Technical work will be applied through study and performance of musical theatre repertoire. Attendance at a weekly studio class and final performance required. This course is available to theatre performance majors NOT pursuing an emphasis in music theatre. Repeatable for credit - maximum 6. Consent of instructor. Offered Fall, Spring.

THA 290 Cr.3
Stage Management for the Arts
This course will provide an introduction to Stage Management for the arts as well as a working understanding of the job of a stage manager. Emphasis on practical theory as well as the history of stage management will be combined with critical theories of running a production. The course will culminate in preparing students to stage-manage for a realized production. Offered Fall - Odd Numbered Years.

MUS/THA 304 Cr.3
History of Music Theatre
A survey of music theatre history and literature from origins to the present and its effect on popular culture, this course provides an understanding of the development of music theatre into the present day. Particular attention is given to the writers and composers who greatly influenced and/or continue to influence the development of this art form. Prerequisite: ENG 110 or ENG 112. (Cross-listed with MUS/THA; may only earn credit in one department.) Offered Spring - Odd Numbered Years.

MUS/THA 310 Cr.3
The Singer/Actor
This course examines the process of acting through song and verse. Its purpose is to explore a variety of theoretical and practical approaches integrating acting, vocal and stylistic techniques which support and strengthen each other. Prerequisite: THA 220 or THA 222; MUS 235, MUS 236, MUS 237, MUS 238. Offered Fall - Odd Numbered Years.

THA 320 Cr.3
Acting II: Characterization
Theory and practice of realistic acting techniques and textual analysis in the development of characterization. Monologues and scenes from realistic drama to be performed. Prerequisite: THA 220. Offered Fall.

THA 321 Cr.3
Acting III: Styles
Theory and practice of advanced techniques of acting with emphasis on styles of acting from Greek to the present. Monologues and scenes from various theatrical periods to be performed. Prerequisite: THA 220, THA 320. Offered Spring.
Cabaret Performance Workshop
Students work together in a workshop format to rehearse and eventually perform a cabaret set consisting of ensemble numbers, duets and solos on a common theme. Each number will be carefully rehearsed and staged. This is a studio course requiring active and regular participation. Repeatable for credit - maximum 6. Prerequisite: admission to the music theatre emphasis. (Cross-listed with MUS/THA; may only earn credit in one department.) Offered Fall - Even Numbered Years.

THA 330 Cr.3

Scene Painting
Theory and practice of scene painting techniques for the theatre. By studying theories utilized by professional scenic artists, students will learn to interpret a designer’s rendering or scaled elevation. Practical exercises will introduce students to the techniques necessary to reproduce the aesthetics of designer’s renderings or scaled elevations as actual scenic pieces. Offered Fall - Even Numbered Years.

THA 331 Cr.3

Theatre Technology
The research and application of current technology in the theatre, including the exploration of new materials and construction techniques. The course will include an introduction to Computer-Assisted Drafting and Design, the operation and maintenance of new technologies in the theatre facility, and the examination of health, safety, and liability issues. Prerequisite: THA 210, THA 231. Offered Fall - Even Numbered Years.

THA 340 Cr.3

Scenery Design
A course in the principles and practices of designing stage scenery. Emphasis is on developing the creative abilities of the designer. Prerequisite: THA 210, THA 231, THA 240. Offered Spring - Even Numbered Years.

THA 341 Cr.3

Lighting Design
An introductory course in the principles and practices of designing and executing stage lighting. Emphasis is on developing the creative abilities of the designer. Prerequisite: THA 210, THA 231, THA 240. Offered Spring - Odd Numbered Years.

THA 342 Cr.3

Sound Design and Engineering
The course provides the student with a working knowledge of sound design and engineering. It emphasizes the creation of sound for theatre, the theory and technique of sound design and the set up and maintenance of sound reinforcement and sound reproduction equipment. Offered even-number years. Prerequisite: THA 210. Offered Fall - Even Numbered Years.

THA 350 Cr.3

Theatre Studies III: Realism to the Present
Survey of Western theatre history, dramatic literature and theory in cultural context from the rise of realism in the late 19th Century to the present day. Particular attention is paid to realism and the explosion of styles in reaction to it, along with the study of political, environmental, feminist, multicultural, and postmodern theatre and performance art. Recommended to be taken after THA 250, THA 251, and before THA 351. Offered Fall - Even Numbered Years.

THA 351 Cr.3

World Theatre
Survey of historical and contemporary theatre in cultural context from various cultures/geographic regions around the world. These areas include India and the near east, China, Japan, and the far east, Africa, Latin America, and the middle east. Particular attention is paid to local custom, religious practice and theatrical practice. Prerequisite: THA 110. Offered Spring - Odd Numbered Years.

THA 360 Cr.1-3

Theatre Arts Practicum
Specialized, intensive study and participation in theatre. Projects are designed in consultation with a faculty adviser in the department. Prerequisite: permission of the supervising instructor. Repeatable for credit — no maximum. Consent of instructor. Offered Fall, Spring, Summer.

+ECO/THA 376 Cr.3

Economics of Art and Entertainment
The overall goal of this course is to enable participants to make or evaluate selected decisions and policy issues pertaining to the arts and to better understand the unique status the arts hold in the American economy. Prerequisite: sophomore standing. (Cross-listed with ECO/THA; may only earn credit in one department.) Offered Spring - Odd Numbered Years.

THA 390 Cr.2

Advanced Stage Management
This course will provide advanced study of the specific skills required of a stage manager on a theatrical production through discussion and hands-on projects designed to improve the student’s understanding and execution of leadership, organizational and creative components of stage management. Repeatable for credit - max 4. Prerequisite: THA 290. Offered Fall.

THA 420 Cr.1-3

Directing
Theory and practice of directing for the stage. Emphasis on analysis, preparation and presentation of dramatic scenes. Prerequisite: THA 210, THA 220; six credits from THA 250, THA 251, THA 350, THA 351. Offered Fall - Even Numbered Years.

THA 421 Cr.3

Performance Studio
This is an advanced performance studio that provides an opportunity for students to research, explore, and create performance within a specific style or genre. The course will provide directing and/or acting students with both theoretical and practical experiences in the art of theatre performance and will occasionally feature a guest artist. Examples of offerings include: improvisation, traditional (comedy of manners, commedia dell’arte) and non-traditional styles (absurdism, post-modernism, expressionism), auditioning and others. Repeatable for credit — no maximum. Prerequisite: THA 321 and/or THA 420. Offered Occasionally.

THA 422 Cr.3

Acting IV: Audition Techniques
This upper level acting course works specifically on the art and technique of auditioning. It will further develop and expand the range and skills of the performance student by exploring the audition process. Students will learn basic stage and camera audition techniques, develop an extensive repertoire of audition monologues and research career opportunities. It prepares the students for a variety of audition styles and situations. Prerequisite: THA 220, THA 320, THA 321. Offered Fall - Odd Numbered Years.

THA 440 Cr.3

Costume Design/History
A course in the principles and practices of designing stage costumes. Emphasis on the creative capabilities of the designer with a working knowledge of historical periods used in stage costuming. Prerequisite: THA 210. Offered Spring - Odd Numbered Years.
Courses

RTH 203 Cr.3
Outdoor Recreation Skills for Persons with Special Need
This course is an introduction to a variety of outdoor recreation skills. Personal proficiency development in outdoor recreation skills and activities are emphasized as they relate to persons with disabilities. Prerequisite: REC 150; not open to those with credit for REC 202. Offered Occasionally.

RTH 204 Cr.2
Multicultural Crafts and Folk Art
An exploration of the therapeutic dimensions of art making, through the traditional crafts and folk arts of many cultures. Students will learn to master several different folk art techniques and adapt them to personal use. Offered Occasionally.

RTH 215 Cr.1
Adapted Aquatic Activities
This course is designed to familiarize the student with training, teaching and assisting techniques when implementing, planning and conducting recreational aquatic activities for persons with disabilities. Water games and general activities which can be conducted in the aquatic environment will be included in this course. Offered Spring.

RTH 250 Cr.3
Introduction to Therapeutic Recreation
This course is designed as an introduction to the history and foundations of therapeutic recreation. Models of health care/human services and therapeutic recreation are presented. Students will gain knowledge of services and settings; professional, legal and community resources; professional and ethical behavior. Prerequisite: REC 150 (may be taken concurrently if student has earned 30 credits or more). Offered Fall, Spring.

RTH 252 Cr.3
Innovative Activities in Therapeutic Recreation
This course acquaints students who will work with persons with disabilities and special needs in therapeutic recreation settings with various recreation activities to enhance functional skills and foster meaningful recreation participation. Activity selection, analysis, planning, and modifications will be combined with various leadership styles. Prerequisite: RTH 250 or concurrent enrollment; RTH major or minor plan. Offered Fall, Spring.

RTH 260 Cr.1-2
Assistive Devices & Resources in Therapeutic Recreation
This course is designed to familiarize the student with the current new devices/equipment/supplies and resource centers available to clientele in need of special assistive devices/supplies. This course is also designed to familiarize the practitioner with devices which can be utilized in recreational program pursuits, as well as assisting the special populations in activities of daily living. Prerequisite: RTH major plan. Offered Occasionally.

RTH 314 Cr.2
Wheelchair Sports and Recreation
An introduction to wheelchair sports, recreation and leisure activities. Emphasis is given to the history of wheelchair sports and rules with special emphasis on participation in traditional and nontraditional wheelchair sport activities. Students will be introduced to a number of wheelchair sports including basketball, soccer, volleyball, football, rugby, tennis, bowling, softball, etc. Prerequisite: RTH 325 or RTH 326 or RTH 327. Offered Spring.
RTH 355 Cr.3

Medical Language
An introduction to medical terminology with emphasis on word roots, combining forms, prefixes and suffixes through the various systems. There is also a unit on basic pharmacology. Prerequisite: ESS 205; RTH 326 or RTH 327. Offered Fall, Summer.

RTH 333 Cr.3

Therapeutic Recreation and Corrections
This course provides an overview of the use of leisure and recreation for individuals in correctional settings. The following topics are addressed: settings, psychiatric disorders, laws/juvenile codes, intervention strategies, activity adaptations, current trends and the criminal justice system. Functional improvement, leisure education and recreation participation are the focus of therapeutic recreation services. Prerequisite: RTH 250 or RTH 326 or RTH 327; RTH or CYC major/minor plan. Offered Fall.

RTH 345 Cr.2

Leisure in Gerontology
This course is designed to offer experience and theory in gerontology as it relates to leisure; current trends and projections of older adults, as they search for a meaningful existence will be discussed. Prerequisite: RTH 250. Offered Occasionally.

RTH 330 Cr.2

Medical Language
This course is designed to study leadership and supervisory management as applied to the therapeutic recreation profession. The following topics are addressed: analysis of traditional leadership styles and theories; application of staffing, directing, and controlling functions of supervisory management; analysis of common issues related to full-time entry level managers in therapeutic recreation including diversity management and hiring people with disabilities. Prerequisite: junior standing; REC or RTH major/minor. Offered Fall, Spring.

RTH 325 Cr.2

Inclusive Recreation
This course is designed to provide the student with information regarding the general techniques and guidelines for planning and implementing recreational activities for persons with disabilities in non-institutional settings. The course will present general background, characteristics of disabling conditions, legislation, and program adaptations. Prerequisite: REC 200. Offered Fall, Spring.

RTH 326 Cr.3

Therapeutic Recreation Populations I
This course provides knowledge of illnesses and disabilities, including etiology, characteristics, abilities, potentials and limitations. Programming guidelines include adaptations and techniques for inclusion in therapeutic recreation services and the community. The following groups are included: persons with spinal cord injury, traumatic brain injury, aging, stroke, cancer, diabetes, visual impairment, hearing impairment, cardiac dysfunction, HIV/AIDS, COPD, amputation, corrections, cultural competence, and others. RTH 326 may precede or follow RTH 327. Prerequisite: RTH 250 or concurrent enrollment. Offered Fall, Winter, Spring, Summer.

RTH 327 Cr.3

Therapeutic Recreation Populations II
This course provides knowledge of illness and disabilities, including etiology, characteristics, abilities, potentials and limitations. Programming guidelines include adaptations and techniques for inclusion in therapeutic recreation services and the community. The following groups are included: persons with intellectual disabilities, cerebral palsy, muscular dystrophy, pediatrics, autism, epilepsy, spina bifida, ADHD, depression, schizophrenia, multiple sclerosis, chemical dependency, and others. RTH 327 may precede or follow RTH 326. Prerequisite: RTH 250 or concurrent enrollment. Offered Fall, Winter, Spring, Summer.

RTH 330 Cr.2

Therapeutic Recreation and Mental Health
This course is designed to provide students with information regarding therapeutic recreation services to persons with psychiatric problems. Programming considerations will include prevention strategies and treatment concerns. Prerequisite: RTH 250; RTH 326 or RTH 327; RTH or CYC major/minor plan. Offered Spring.

RTH 332 Cr.3

Therapeutic Recreation for Persons With Physical Disabilities
This course is designed to provide students with information relating to therapeutic recreation services for individuals with physical disabilities. Programming considerations will include treatment concerns, community inclusion, wheelchair sports and leisure activities. Prerequisite: RTH 250; RTH 326 or RTH 327; RTH major/minor plan. Offered Occasionally.
RTH 403/503 Cr.3
Helping Children Cope with and Manage Pain
The intent of this online course is to provide in-depth knowledge of pediatric practice in the area of coping and pain management for students majoring in Therapeutic Recreation. The course will examine: current thoughts and practices on the subject of pain and how it affects the body; tools that assess pain; ways to help children cope with their own pain; and techniques that supplement common pain medications. The course will provide the current thoughts and practices necessary for students to prepare for the job market. Prerequisite: PSY 210 or PSY 212 or CYC 210; junior standing. Offered Spring.

RTH 404/504 Cr.3
Coping with Pediatric Disabling Conditions
This online course provides in-depth knowledge of pediatric practice in the area of coping with pediatric disabling conditions for students majoring in Therapeutic Recreation. The course will examine common disabling conditions and diseases that affect infants, children, and adolescents; how these conditions affect the child and the family; and how chronically ill children are impacted at each stage of their development. The course will provide the current thoughts and practices necessary for students to prepare for the job market. Prerequisite: PSY 210 or PSY 212 or CYC 210; junior standing. Offered Summer.

RTH 456/556 Cr.3
Program Design and Administration of Therapeutic Recreation
This course is designed to present a rationale and foundation for systematic program design, program implementation and program evaluation in various therapeutic recreation settings. Prerequisite: MTH 145; RTH 326 or RTH 327; junior standing; RTH major. Offered Fall, Spring.

RTH 462/562 Cr.3
Inclusive Recreation Program Administration
This course is designed to provide the student with information relating to recreation in inclusive settings. General Administration concepts, management concepts, advocacy, legislation, and therapeutic recreation as a related service in the schools will receive special emphasis in this course. Prerequisite: RTH 456; junior standing. Offered Fall, Spring.

RTH 470/570 Cr.3
Facilitation Techniques in Therapeutic Recreation
This course presents an overview of concepts and interaction techniques used in the provision of goal-oriented therapeutic recreation services. Included are counseling techniques, leadership and instructional techniques appropriate for use in treatment, leisure education and recreation participation. Prerequisite: MTH 145; RTH 326 or RTH 327; RTH 456 or concurrent enrollment; junior standing; RTH or CYC major/minor plan. Offered Fall, Spring.

RTH 474/574 Cr.3
Experiential Education: Facilitation Techniques in Ropes Course
This course is designed to present in-depth information, skills and knowledge of the concepts and facilitation techniques used in experiential education. This course is primarily designed using the ropes and challenge course on the UW-L campus. Prerequisite: students must provide a statement of health and complete an assumption of risk/waiver.* Prerequisite: junior standing. Offered Occasionally.

RTH 476/576 Cr.3
Assessment & Treatment Planning-Therapeutic Recreation
Overview of individual client assessments used in therapeutic recreation practice; development of individualized treatment/program plans in a therapeutic recreation context; review resources, standards and issues related to client assessment and program planning in therapy, leisure education and recreation participation programs. Prerequisite: RTH 456, RTH 470; junior standing; RTH major plan. Offered Fall, Spring.

RTH 480/580 Cr.3
Leisure Education
This course is designed to provide a philosophical understanding and overview of leisure education as well as to emphasize the approaches and strategies that can be utilized in enabling people to enhance the quality of their own lives in leisure. The focus will be leisure education as a major component of therapeutic recreation services. Topics included are leisure theory, leisure education conceptual models, leisure education programming techniques, facilitation of leisure education groups for various ages. Gerontology students should have completed one core gerontology course and have permission from the director of therapeutic recreation. Prerequisite: RTH 456, RTH 470; junior standing; RTH or GTL major/minor plan. Offered Fall, Spring.

RTH 483/583 Cr.3
Facilitation Techniques in Therapeutic Recreation
A course designed to demonstrate how leisure counseling has become an important phase of therapeutic recreation services. Students will practice intermediate level counseling skills. They will be able to conceptualize and implement leisure counseling services from assessment stage, implementation stages (both individual and group), to evaluation and referral stages. Students will learn strategies for dealing with different types of leisure-related problems. Prerequisite: RTH 470, RTH 480; junior standing; RTH or CYC major/minor plan. Offered Occasionally.

RTH 490 Cr.1-3
Workshop in Therapeutic Recreation
Group study of varying therapeutic recreation topics. University professors as well as visiting lecturers will be invited to address the students and conduct specialized phases of the workshops. Repeatable for credit under different subtitles. Prerequisite: RTH major plan. No student may earn more than six credits in REC 375, RTH 490, REC/RTH 491. Offered Occasionally.

RTH 491/591 Cr.1-3
Workshop in Therapeutic Recreation
Group study of varying therapeutic recreation topics. University professors as well as visiting lecturers will be invited to address the students and conduct specialized phases of the workshops. Repeatable for credit under different subtitles. No student may earn more than six credits in REC 375, RTH 490, REC/RTH 491. Offered Occasionally.

RTH 493/593 Cr.3
Therapeutic Recreation Trends and Issues
This course provides an examination of current issues, trends and professionalization concerns in therapeutic recreation, including professional organizations, ethics, current legislation, professional development, professional standards, credentialing, accreditation standards, improving organizational performance, and current professional controversies. Course should be taken the last semester prior to internship. Prerequisite: MTH 145, RTH 456; junior standing; RTH major plan. Offered Fall, Spring.

RTH 495 Cr.1-3
Independent Study in Therapeutic Recreation
Individualized study of areas not available in existing courses. Prerequisite: consent of chairperson and/or director of therapeutic recreation. Repeatable for credit — maximum 6. Prerequisite: RTH major plan. Consent of department. Offered Fall, Spring, Summer.
Women's, Gender and Sexuality Studies (WGS)

+ next to a course number indicates a general education course

Courses

+ WGS 100 Cr.3

Gender, Race and Class in American Institutions (ES)
This course provides an introduction to how gender, race, and class have intertwined over time to produce women's social roles and status in American culture. The creation, transmission, interpretation and institutionalization of gender roles will be examined using family and kinship, the educational system, the media, work, government and the health care system. The course provides a critical, interdisciplinary perspective on scholarship which omits or distorts the female experience. Offered Fall, Spring, Summer.

SOC/WGS 105 Cr.3

Introduction to LGBT Studies
This course will examine the cultural, legal, and political dimensions of LGBT life in the U.S. It will begin by exploring the social invention of heterosexuality and how personal and institutional interpretations of sexuality have historically informed the lives of LGBT people. The course also addresses class, racial and gender biases that especially confront queer communities of color in the U.S. Finally, the course looks at continued instances of hate crimes and homophobia against the backdrop of rights-based activism and the role that art and politics play in this interplay. (Cross-listed with WGS/SOC; may only earn credit in one department.) Offered Alternate Years.

HED/WGS 201 Cr.1

Social Justice and Peer Education
This course both educates students on social justice issues they face while in college and prepares them to be able to give presentations to peers in residence halls, classrooms, athletic teams, and student organizations with the goal of effecting social change. Subject matter will respond to campus needs. Repeatable for credit - maximum 3. Prerequisite: WGS 100 or ERS 100 or EFN 205 or WGS 230 or WGS 210; CST 110 recommended. (Cross-listed with HED/WGS; may only earn a max of three credits.) Pass/Fail grading. Offered Fall, Spring.

+ WGS 210 Cr.3

Women's Voices / Women's Culture (ES)
An examination of how women have expressed female experience in a variety of forms, including fiction, autobiography, oral traditions, and song. By analyzing women's words and forms of self-expression, students will explore what is individual and what is common in women's lives, and will learn tools for understanding female experience and culture. Offered Occasionally.

WGS 225 Cr.3

Women and Leadership
This course investigates women's leadership and develops students' leadership skills. Students will examine women's under-representation in formal public positions of power while also evaluating the strengths women can and do bring to leadership, and the emerging possibilities for women's leadership capacity in a rapidly changing world. Special attention will be paid to women's changing roles in the workplace. Students will critically evaluate leadership models, especially as they pertain to gender, race, and class. Offered Alternate Years.

+ WGS 230 Cr.3

Women's Diversity: Race, Class, and Culture (ES)
This course explores the diversity of women's experience in America as it has been affected by race, ethnicity, class, and other factors, and the effects of gender on women of different groups. Issues that have united and divided women in movements for social change are also addressed. Offered Fall, Spring.

WGS 240 Cr.3

Contemporary Women's Issues
Contemporary women’s issues will provide the student with an overview of women's studies scholarship from the late 1960's to the present. Contemporary theory, social change movements, and women's lives will be integrated in order to examine the relationship between theory and practice in women's studies. Offered Occasionally.

WGS 250 Cr.1-3

Topics in Women's Studies
Intermediate and interdisciplinary analysis of a social issue, idea or institution from the perspective of women and Women's Studies. Repeatable for credit. Department approval is necessary to apply more than three credits toward the WGS minor. Offered Occasionally.

WGS 255 Cr.1

Women in the Military
This course will provide students with an understanding of the struggles and successes of women’s lives in the U.S. Military. Beginning with an historic overview of women’s changing roles in the military, it will proceed to analyze the reasons for the limitations to women’s equal participation. Finally, the course will recognize the accomplishments of women in the military. Offered Spring - Even Numbered Years.
Gender, Sexuality, and Social Change in Religion
This course examines the various gender roles, norms, mobility, restrictions and empowerment that people experience within religious traditions, for example: Christianity, Judaism, Islam, Hinduism and Buddhism. Global case studies and engaging narratives focused on the intersections of gender, sexuality, race, and religion will be considered. Special attention will be paid to feminist laypersons and religious leaders who are reformulating traditional understandings and practices, and in turn, negotiating their agency within secular and spiritual spaces. Prerequisite: WGS 100 or WGS 230 or SOC 110 or SOC 120. Offered Occasionally.

WGS 320 Cr.3
Violence Against Women
This course will examine from an interdisciplinary perspective, the connections between violence against women and the power distributions within our society. Three specific types of violence against women will be examined in-depth: sexual assault, incest and battering. Prerequisite: one of the following: WGS 100, WGS 210, WGS 230, EFN 205. Offered Alternate Years.

WGS 325 Cr.3
Black Feminist Thought
This course is designed to introduce students to Black Feminist theory. During this semester, we will explore how African-American women have been socially located in American society. We will read various texts (books, articles, etc.) to explore how theory works to explain power, oppression and liberation in the lives of African-American women. To accomplish this goal, we will focus our discussions on themes such as activism, identity, difference, representation, and possibilities of upward mobility as they pertain to the lived experiences of African American women. Offered Annually.

WGS 330/530 Cr.1-3
Topics: Women, Gender, and Society
Interdisciplinary analysis of a social issue, idea, or institution from the perspective of women and women’s studies. Repeatable for credit — maximum 9. Department approval is necessary to apply more than three credits toward the WS minor. Prerequisite: one of the following: WGS 100, WGS 210, WGS 230, EFN 205; junior standing. Offered Occasionally.

WGS 331 Cr.3
Images of African American Women
This course is designed to not only introduce students to representations of African American women but to also socially and spatially locate African American women in American society. We will discuss the origins of negative images of black femininity and how these images have evolved over time. In addition, this course will examine various types of images (i.e. television, movies, print ads, etc.) and deconstruct how they challenge, reinforce and reproduce entrenched images of African American women. This course will also discuss how African American women have challenge negative stereotypes and develop their own ways of constructing more accurate and complex. Offered Occasionally.
**Globalization, Women, and Work**

This course examines the global and often exploitative experiences of women, migrating from one part of the world to another for work. As women leave their countries of origin, many find themselves working as nannies, sex workers, house cleaners and modern-day slaves in sweatshops. These work environments often create vulnerability, discrimination, and abuse of women within the private and public institutions of their host countries. The course will also use in-depth personal narratives and a focus on grassroots social movements to witness how women resist workplace policies and domestic laws to campaign for their rights, despite cultural and political constraints. Prerequisite: WGS 100 or WGS 210 or WGS 230 or EFN 205 or ERS 100. (Cross-listed with WGS/SOC; may only earn credit in one department.) Offered Alternate Years.

**Sociological Aspects of Work and Life**

This course will explore the sociological impact of work and life demands in contemporary American society. Special emphasis will be given to how gender, sexual orientation, social class, race and ethnicity, and family structure affect individuals’ ability to balance the demands of work and life. Prerequisite: SOC 110 or SOC 120 or SOC 200 or ANT 101. (Cross-listed with SOC/WGS 338; may only earn credit in one department.) Offered Occasionally.

**Women, Learning and Knowledge**

An analysis of how a women’s learning experience has been and continues to be limited by conceptions of gender, race, and class. Through an examination of how knowledge is acquired and how society defines knowledge, students will come to a better understanding of how women can ‘reclaim’ their educations. Prerequisite: one of the following: WGS 100, WGS 210, WGS 230, EFN 205. Offered Alternate Years.

**Hip Hop Culture, Race, and Gender**

This course is designed to examine the history of Hip Hop and how it has evolved over time from a culture that gave voice to youth culture in New York City to a global phenomenon that, in many ways, has lost its way due to commercialism. In this course, we will discuss the origins of Hip Hop culture and its four basic elements (break dancing, rap, djing, and graffiti art). We examine how rap has evolved over time and how consumerism and capitalism have influenced Hip Hop culture. During the class, we will discuss various controversies that have arisen around the music, including criticism of its attitudes toward violence, femininity, masculinity, homosexuality, and educational achievement. Students will have the opportunity to analyze and deconstruct music lyrics, music videos and movies. Offered Occasionally.

**The History of Black Women’s Activism**

An historical overview of the thoughts, actions, and creative products of Black women activists in the United States, from slavery to the present. Students will examine historical analyses, speeches, essays, economic activities, organizational styles, political issues, and various forms of artistic expression that women of African descent have produced in order to query, resist, and defy the interlocking oppressions of racism, sexism, and classism in the United States. Prerequisite: EFN 205 or ERS 100 or WGS 100 or WGS 210 or WGS 230. (Cross-listed with HIS/WGS; may only earn credit in one department.) Offered Alternate Years.
WGS 390 Cr.3

Social Justice Research Methods
This course answers the question that most caring people want answered: How can we fix this problem? Students will engage in the process of strategizing, whatever the issue (gender bias, racism, homophobia, environmental degradation, disability bias), and whatever the setting (a workplace, neighborhood, campus, or beyond). Course activities organize around the processes behind social change: strategic analysis, organizing, action planning, and evaluation, developing students’ ability to create the knowledge necessary for complex problem-solving. Students learn and use the quantitative, qualitative, and critical research methods necessary to inform decisions at each step along a generalized pathway to change. Students going on to graduate school and students entering the workforce in a variety of fields like social work, community organizing, communication, and management will benefit from this course. Prerequisite: WGS 100 or WGS 210 or WGS 230 or EFN 205 or ERS 100; plus nine additional credits in courses approved for WGS. Offered Fall.

WGS 450 Cr.1-6

Internship in Women’s Studies
The internship is an academically relevant field experience for minors in women’s studies which combine women’s studies scholarship with practical experience. The field experience will be supervised by the women’s studies staff. A maximum of three credits will be counted toward the minor. Repeatable for credit — maximum 6. Prerequisite: junior standing; six credits of WGS courses; minimum 2.50 cumulative GPA. Offered Fall, Winter, Spring, Summer.

WGS 499 Cr.3

Women’s Studies Seminar
Intensive interdisciplinary study of particular areas in women’s studies. Topics will be chosen by the instructor and the students. Prerequisite: one of the following: WGS 100, WGS 210, WGS 230; at least two other courses approved for the women’s studies major or minor plan; declared women’s studies major or minor plan. Offered Fall.
As of May 1, 2014, based on records provided by the UW-L Human Resource Office. Academic staff includes 50% and above appointments.

Raymond Abhold  
Associate Dean  
College of Science Health  
PHD, Rutgers State Univ-Newark  
MS, Rutgers State Univ-Newark

Michael Abler  
Associate Professor  
Biology  
PHD, North Carolina State Univ  
BS, Univ of Wisconsin-Madison

Gwen Achenreiner  
Professor  
Marketing  
PHD, Univ of Minnesota-Twin Cities  
MBA, St Cloud State University  
BS, St Cloud State University

Jorge Aguilar-Sanchez  
Assistant Professor  
Modern Languages  
PHD, Indiana University  
MA, Indiana State University  
MA, Indiana University  
BA, Universidad Nacional

Rafique Ahmed  
Professor  
Earth Science  
PHD, Ohio State University  
MA, University of Windsor  
MS, University of Dhaka  
BS, University of Dhaka

Ahmed Ali  
Associate Professor  
Educational Studies  
PHD, Ohio University  
MA, Ohio University  
BA, Kenyatta University

Florence Aliesch  
Admin Prg Manager I  
Publications  
BA, Viterbo University

Brian Allen  
University Physician  
Student Health Center  
MD, Western University  
BS, University of Wyoming

Martin Allen  
Assistant Professor  
Computer Science  
PHD, Univ of Massachusetts Amherst  
MS, Univ of Massachusetts Amherst

Robert Allen  
Associate Professor  
Mathematics  
PHD, George Mason University  
MS, University of Virginia  
BS, George Mason University  
BS, University of Virginia

Naoko Aminaka  
Assistant Professor  
Exercise Sport Science  
PHD, University of Toledo  
MS, University of Toledo  
BS, Central Michigan University

Kim Amundson  
Sr Student Serv Spec  
Child Care Center  
AA, Western Technical College

Julie Ancius  
Assoc Lecturer  
Accountancy  
MBT, Univ of Minnesota-Twin Cities

Benjamin Anderson  
Lecturer  
Mathematics  
BS, North Dakota State University

David Anderson  
Associate Professor  
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Office of Student Life

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BA, Brooklyn College Of Cury

Melissa Bingham
Associate Professor
Mathematics
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<th>Title</th>
<th>Department/Program</th>
<th>Degrees and Institutions</th>
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<td>Angela Binsfeld</td>
<td>Clinical Asst Prof</td>
<td>Health Professions - PT</td>
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<td>Research Intern</td>
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<td>Kim Blum</td>
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<td>Tracie Blumentritt</td>
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<td>Cheryl Brye</td>
<td>Assoc Stu Serv Coord</td>
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<td>Curtis Brye</td>
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<tr>
<td>Joshua Buchholtz</td>
<td>Admin Specialist/Coach</td>
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<tr>
<td>Deborah Buffton</td>
<td>Professor</td>
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</tr>
</tbody>
</table>
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BS, Marquette University

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BE, Xi’an Jiaotong University

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MA, University of Notre Dame  
BA, Marquette University

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BS, Univ of Wisconsin-Madison

Enilda Delgado  
Professor  
Sociology Archaeology
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<tr>
<th>Name</th>
<th>Title</th>
<th>Department</th>
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| Tara Delong           | Assoc Lecturer                              | Rec Mgmt Therapeutic Rec    | PHD, Univ of Wisconsin-Madison  
|                       |                                            |                             | MS, Univ of Wisconsin-Madison  
|                       |                                            |                             | BS, Univ of IL at Urbana-Champaign                                                   |
| Elise Denlinger       | Senior Lecturer                             | Modern Languages            | MA, Middlebury College  
|                       |                                            |                             | MA, University of Chicago  
|                       |                                            |                             | BA, Manchester College                                                           |
| Peggy Denton          | Associate Professor                         | Health Professions - OT    | PHD, Univ of Wisconsin-Milwaukee  
|                       |                                            |                             | MS, Boston University                                                               |
|                       |                                            |                             | BS, Univ of Minnesota-Twin Cities                                                   |
| Ressano Desouza-Machado | Senior Lecturer                       | Chemistry Biochemistry      | PHD, Univ of Wisconsin-Madison  
|                       |                                            |                             | MS, Univ of Wisconsin-Madison                                                       |
|                       |                                            |                             | BA, College Of Wooster                                                            |
| Joel Dettwiler        | Coach                                      | Athletics                   | MS, Univ of Wisconsin-Platteville                                                  |
|                       |                                            |                             | BS, Univ of Wisconsin-Platteville                                                  |
| Martin Devine         | Clinical Asst Prof                          | Health Professions - PA    | MD, Univ of Minnesota-Twin Cities                                                  |
|                       |                                            |                             | BS, St John’s Univ-Staten Island                                                   |
| Gary Dickinson        | Lecturer                                   | Mathematics                 | BS, Univ of Wisconsin-La Crosse                                                    |
| Linda Dickmeyer       | Professor                                  | Communication Studies       | PHD, University of Nebraska-Lincoln                                                |
|                       |                                            |                             | MA, Minnesota State Univ, Mankato                                                   |
|                       |                                            |                             | BS, Minnesota State Univ, Mankato                                                   |
| Scott Dickmeyer       | Associate Professor                         | Communication Studies       | PHD, University of Nebraska-Lincoln                                                |
|                       |                                            |                             | MA, Minnesota State Univ, Mankato                                                   |
|                       |                                            |                             | BS, Minnesota State Univ, Mankato                                                   |
| Elizabeth Digby-Britten | Assoc Lecturer                         | Educational Studies         | MEPD, Univ of Wisconsin-La Crosse                                                  |
|                       |                                            |                             | BS, Univ of Wisconsin-La Crosse                                                    |
| Angela Dingel         |                                            |                             |                                           |
| Sr Student Serv Spec  |                                            |                             |                                           |
| Delong                |                                            |                             |                                           |
| Elise Denlinger       |                                            |                             |                                           |
| Peggy Denton          |                                            |                             |                                           |
| Ressano Desouza-Machado |                                            |                             |                                           |
| Joel Dettwiler        |                                            |                             |                                           |
| Martin Devine         |                                            |                             |                                           |
| Gary Dickinson        |                                            |                             |                                           |
| Linda Dickmeyer       |                                            |                             |                                           |
| Scott Dickmeyer       |                                            |                             |                                           |
| Elizabeth Digby-Britten |                                            |                             |                                           |
| Angela Dingel         |                                            |                             |                                           |
Deborah Dougherty  
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BA, Eastern Illinois University

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Archaeology Center  
BA, Univ of Wisconsin-La Crosse

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Arden Ross
Jean Ruhsen
Barbara Rusterholz
Modern Languages
Paul Rusterholz
Music
James Ryan
Thomas Scarseth
Stanley Schabert
John Scheidt
Barry Schockmel
Raymond Schoen
Richard Schoenberger
Sonja Schrag
English
Diane Schumacher
Sandra Sechrest
Michael Shaver
Howard Sheils
Margie Sheppard
Keith Sherony
Economics
James Siefkas
Grace Smith
Richard Snowberg

John Snyder
Kathryn Snyder
Admissions
James Sobota
Donald Socha
Modern Languages
Alfred Stadthaus
Louis Stamps
Dennis Stannard
Jack Starr
Martha Stephens
Patrick Stephens
University Advancement
Robert Steuck
Paul Stoelting
Gwyneth Straker
Health Professions - PT
Dean Stroud
Modern Languages
Richard Sullivan
English
Sara Sullivan
Psychology
Paul Taylor
Chemistry
Eileen Temte
Lawrence Terry
Intercollegiate Athletics
James Theler
Sociology/Archaeology
Henry Thibault
John Tillman
Information Tech Services
John Tonnis
Mary Torsteven
Larry Trammel
Robert Treu
John Unbehaun
Laraine Unbehaun
William Van Atta
Vere Vance
Deborah Veglahn
Administration and Finance

Martin Venneman

Daniel Voiku
English

Keith Wadell
Rec Mgmt Therapeutic Rec

Mary Walsh

Gregory Walsko
Educational Studies

Thomas Weeks

Gregory Wegner
History

William Wehrs

Ronald Weinkauf

Robert Wessler

Edna Whalen

Dean Wilder

Patricia Wilder

Bonnie Willemssen

Eugene Williams

Jennifer Wilson
Human Resources

Philip Wilson

W Carl Wimberly

James Wine

Robert Wingate

Anne Winter

Lois Wirkus

Thomas Wirkus

Edward Wood

Charles Young

Martin Zanger

Andris Ziemelis

Kip Zirkel
Index

A
About UW-La Crosse ................................................................. 10
Academic calendar ................................................................. 13
Academic eligibility ................................................................. 26
Academic policies ................................................................. 26
Academic records/FERPA ....................................................... 28
Accountancy (ACC) ............................................................... 411
Accountancy Major - Bachelor of Science (BS) ....................... 61
Accountancy Minor ............................................................... 62
Accreditation ........................................................................... 11
Adapted Physical Education Teaching Minor ......................... 336
Administration and Board of Regents ..................................... 13
Admission ................................................................................ 15
Alvida Ahlstrom Honors Program .......................................... 172
Anthropology (ANT) .............................................................. 412
Anthropology Minor ............................................................. 210
Archaeological Studies Major - Bachelor of Arts (BA) .............. 204
Archaeological Studies Major - Bachelor of Science (BS) ........ 206
Archaeological Studies Minor ............................................... 210
Archaeology (ARC) ............................................................... 415
Archaeology Honors Program ................................................ 211
Art (ART) ............................................................................... 220
Art (ART) ............................................................................... 420
Art Education Major - Bachelor of Science (BS) ...................... 224
Art Major - Bachelor of Arts (BA) .......................................... 220
Art Major - Bachelor of Science (BS) ..................................... 222
Art Minor: Three Dimensional Emphasis ................................. 225
Art Minor: Two Dimensional Emphasis ................................... 225
Astronomy (AST) .................................................................... 425
At-Risk Child and Youth Care Minor ........................................ 80
Athletic Training - Bachelor of Science (BS) ......................... 329

B
Biochemistry Major - Bachelor of Science (BS) ...................... 311
Biology (BIO) ......................................................................... 291
Biology (BIO) ......................................................................... 426
Biology education major (early adolescence-adolescence certification) (BS) .......................................................... 306
Biology Education Minor ....................................................... 310
Biology Major - Bachelor of Arts (BA) ................................... 292
Biology Major - Bachelor of Science (BS) .............................. 294
Biology major: aquatic science concentration - Bachelor of Arts (BA) .......................................................... 296
Biology major: aquatic science concentration - Bachelor of Science (BS) .......................................................... 297
Biology major: biomedical science concentration - Bachelor of Arts (BA) .......................................................... 298
Biology major: biomedical science concentration - Bachelor of Science (BS) .......................................................... 299
Biology major: cellular and molecular concentration - Bachelor of Arts (BA) .......................................................... 300
Biology major: cellular and molecular concentration - Bachelor of Science (BS) .......................................................... 302
Biology major: environmental science concentration - Bachelor of Arts (BA) .......................................................... 303
Biology major: environmental science concentration - Bachelor of Science (BS) .......................................................... 305
Biology Minor ......................................................................... 310
Business Administration (BUS) .............................................. 62
Business Administration (BUS) .............................................. 431
Business Administration Minor .............................................. 62

C
Campus Resources ............................................................... 37
Chemistry (CHM) .................................................................... 432
Chemistry and Biochemistry (CHM) ....................................... 310
Chemistry Education Major (Early Adolescence-Adolescence Certification) - Bachelor of Science (BS) .......................................................... 316
Chemistry Education Minor ...................................................... 319
Chemistry Major (with ACS Certification) - Bachelor of Science (BS) .......................................................... 313
Chemistry Major with Business Concentration - Bachelor of Science (BS) .......................................................... 314
Chemistry Major with Environmental Science Concentration - Bachelor of Science (BS) .......................................................... 315
Chemistry Minor ..................................................................... 318
Child Youth Care (CYC) ........................................................ 79
Child/Youth Care (CYC) ......................................................... 435
Chinese (CHI) ........................................................................ 436
Chinese Studies Minor ........................................................... 165
Clinical Laboratory Science (CLI) ......................................... 319
Clinical Laboratory Science (CLI) ......................................... 436
Clinical Laboratory Science - Bachelor of Science (BS) .......... 319
Coaching Competitive Athletics Concentration ...................... 337
College of Business Administration (CBA) ............................... 58
College of Liberal Studies (CLS) ............................................. 77
College of Liberal Studies/School of Arts and Communication (SAC) .......................................................... 218
College of Science and Health (SAH) ..................................... 286
Communication Studies (CST) ................................................. 226
<table>
<thead>
<tr>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current student information</td>
</tr>
<tr>
<td>Creative Writing Minor</td>
</tr>
<tr>
<td>Course descriptions</td>
</tr>
<tr>
<td>Bachelor of Science (BS)</td>
</tr>
<tr>
<td>Computer Science Education Minor</td>
</tr>
<tr>
<td>Computer Science Education (Early Adolescence-Adolescence Certification) - Bachelor of Science (BS)</td>
</tr>
<tr>
<td>Computational Science (CMP)</td>
</tr>
<tr>
<td>Computational Science (CMP)</td>
</tr>
<tr>
<td>Computational Science Minor</td>
</tr>
<tr>
<td>Computational Thinking (CT)</td>
</tr>
<tr>
<td>Computer Science (CS)</td>
</tr>
<tr>
<td>Computer Science (CS)</td>
</tr>
<tr>
<td>Computer Science Education (Early Adolescence-Adolescence Certification) - Bachelor of Science (BS)</td>
</tr>
<tr>
<td>Computer Science Education Minor</td>
</tr>
<tr>
<td>Computer Science Major - Bachelor of Science (BS)</td>
</tr>
<tr>
<td>Computer Science Major - Computer Engineering Technology Emphasis - Bachelor of Science (BS)</td>
</tr>
<tr>
<td>Computer Science Minor</td>
</tr>
<tr>
<td>Cooperative Education and Internships</td>
</tr>
<tr>
<td>Course descriptions</td>
</tr>
<tr>
<td>Course information</td>
</tr>
<tr>
<td>Creative Writing Minor</td>
</tr>
<tr>
<td>Criminal Justice Minor</td>
</tr>
<tr>
<td>Criminal Justice Minor</td>
</tr>
<tr>
<td>Curriculum and Instruction (CI)</td>
</tr>
<tr>
<td>Degree requirements</td>
</tr>
<tr>
<td>Dual degree program in biology and physical therapy</td>
</tr>
<tr>
<td>Dual Degree Program in Chemistry and Engineering</td>
</tr>
<tr>
<td>Dual Degree Program in Computer Science and Engineering</td>
</tr>
<tr>
<td>Dual Degree Program in Computer Science and Master of Software Engineering</td>
</tr>
<tr>
<td>Dual Degree Program in Mathematics and Engineering</td>
</tr>
<tr>
<td>Dual Degree Program in Physics and Engineering</td>
</tr>
<tr>
<td>Dual Degree Program in Physics and Physical Therapy</td>
</tr>
<tr>
<td>Dual Degree Program in Psychology and Occupational Therapy</td>
</tr>
<tr>
<td>Early Childhood Education (ECE)</td>
</tr>
<tr>
<td>Early Childhood through Adolescence (EC-A) (ages birth-21) Program</td>
</tr>
<tr>
<td>Early Childhood-Elementary Education Program (ages birth through 11) - Bachelor of Science (BS)</td>
</tr>
<tr>
<td>Earth Science (ESC)</td>
</tr>
<tr>
<td>Earth Science Education Minor</td>
</tr>
<tr>
<td>Earth Science Minor</td>
</tr>
<tr>
<td>Economics (ECO)</td>
</tr>
<tr>
<td>Economics (ECO)</td>
</tr>
<tr>
<td>Economics (ECO)</td>
</tr>
<tr>
<td>Economics Education Minor (Early Adolescence-Adolescence Certification)</td>
</tr>
<tr>
<td>Economics Honors Program</td>
</tr>
<tr>
<td>Economics Honors Program</td>
</tr>
<tr>
<td>Economics Major - Bachelor of Arts (BA)</td>
</tr>
<tr>
<td>Economics Major - Bachelor of Science (BS)</td>
</tr>
<tr>
<td>Economics Major - Bachelor of Science (BS)</td>
</tr>
<tr>
<td>Economics Minor</td>
</tr>
<tr>
<td>Economics Minor</td>
</tr>
<tr>
<td>Educational Foundations (EFN)</td>
</tr>
<tr>
<td>Educational Media (EDM)</td>
</tr>
<tr>
<td>Educational Studies (EDS)</td>
</tr>
<tr>
<td>Educational Studies (EDS)</td>
</tr>
<tr>
<td>Elementary-Middle Level Education Program (ages 6-12 or 13) - Bachelor of Science (BS)</td>
</tr>
<tr>
<td>English (ENG)</td>
</tr>
<tr>
<td>English (ENG)</td>
</tr>
<tr>
<td>English as a Second Language (ESL)</td>
</tr>
<tr>
<td>English as a Second Language (ESL)</td>
</tr>
<tr>
<td>English Education Major (Early Adolescence-Adolescence Certification) - Bachelor of Science (BS)</td>
</tr>
</tbody>
</table>
English Education Minor ................................................................. 94
English Honors Program ................................................................ 96
English Major: Literature Emphasis - Bachelor of Arts (BA) ........... 86
English Major: Rhetoric and Writing Emphasis - Bachelor of Arts (BA) ... 89
Environmental Studies (ENV) ........................................................ 98
Environmental Studies (ENV) ....................................................... 466
Environmental Studies Minor .......................................................... 98
Ethnic and Racial Studies (ERS) ....................................................... 467
Ethnic and Racial Studies Minor ....................................................... 99
Exercise and Sport Science (ESS) ..................................................... 328
Exercise and Sport Science (ESS) ..................................................... 469
Exercise and Sport Science Major: Exercise Science Fitness Track - Bachelor of Science (BS) .................................................. 331
Exercise and Sport Science Major: Exercise Science Pre-Professional Track - Bachelor of Science .................................................. 332
Exercise and Sport Science Major: Physical Education - Bachelor of Science (BS) .......................................................... 333
Exercise and Sport Science: Sport Management Emphasis - Bachelor of Science (BS) .......................................................... 335
Expenses ....................................................................................... 20
Expenses, financial aid & scholarships .............................................. 20
F
Faculty and Academic Staff .......................................................... 569
Faculty and Academic Staff - Emeriti .............................................. 607
Finance (FIN) ................................................................................ 64
Finance (FIN) ................................................................................ 475
Finance Major - Bachelor of Science (BS) ....................................... 65
Finance Major: Risk, Insurance, and Financial Planning Concentration - Bachelor of Science (BS) .................................................. 66
Financial aid & scholarships ............................................................ 21
First year admissions ..................................................................... 15
French (FRE) ................................................................................ 477
French Education Major (EC-A and MC-EA Certification) - Bachelor of Science (BS) .......................................................... 153
French Education Minor (Early Adolescence-Adolescence Certification) .......................................................... 165
French Education Minor (Middle Childhood-Early Adolescence Certification) .......................................................... 166
French Major - Bachelor of Arts (BA) .............................................. 149
French Major with Business Concentration - Bachelor of Arts (BA) .... 151
French Minor .................................................................................. 165
French Studies Certificate ............................................................... 171
G
General education requirements .................................................... 50
General science education (broad field) major (early adolescence-adolescence certification) .......................................................... 307
General science education (Broad Field) Major (Early Adolescence-Adolescence Certification) - BS .................................................. 317
General science education (Broad Field) Major (Early Adolescence-Adolescence Certification) - BS .................................................. 387
General Science Minor (Middle Childhood-Early Adolescence) .......... 410
Geography Minor .......................................................................... 347
Geographic Information Science Minor ............................................ 347
Geography (GEO) .......................................................................... 479
Geography and Earth Science (GEO/ESC) ........................................ 337
Geography and Earth Science Honors Program ............................. 348
Geography Education Major (Early Adolescence-Adolescence Certification) - Bachelor of Science (BS) .................................................. 345
Geography Education Minor ........................................................... 348
Geography Major - Bachelor of Arts (BA) ........................................ 338
Geography Major - Bachelor of Science (BS) .................................... 339
Geography Major: Environmental Science Concentration - Bachelor of Arts (BA) .......................................................... 340
Geography Major: Environmental Science Concentration - Bachelor of Science (BS) .......................................................... 341
Geography Major: Geographic Information Science Concentration - Bachelor of Arts (BA) .......................................................... 343
Geography Major: Geographic Information Science Concentration - Bachelor of Science (BS) .......................................................... 344
Geography Minor .......................................................................... 346
German (GER) ............................................................................... 482
German Education Major (EC-A or MC-EA Certification) - Bachelor of Science (BS) .......................................................... 158
German Education Major (EC-A or MC-EA Certification) - Bachelor of Science (BS) .......................................................... 167
German Studies Education Minor (Early Adolescence-Adolescence Certification) .......................................................... 154
German Studies Education Minor (Middle Childhood-Early Adolescence Certification) .......................................................... 156
German Studies Minor ..................................................................... 167
Gerontology (GTL) ......................................................................... 100
Grades, grading, and testing ............................................................ 30
Graduation .................................................................................. 32
H
Health and Wellness Management (HWM) ...................................... 487
Health and Wellness Management - Bachelor of Science (BS) ........... 352
Health Education (HED) ................................................................. 484
Health Education and Health Promotion (HED/CHE/SHE/HWM) .......... 348
Health Information Management and Technology (HIMT) .................. 486
Health Information Systems Management Minor .............................. 70
Health Information Systems Management Minor (non-CBA) .......... 70
Health Professions (HP) ................................................................. 354
Health Professions (HP) ................................................................. 487
Health, Physical Education and Recreation (HPR) ......................... 489
History (HIS) .................................................................................. 101
History (HIS) .................................................................................. 490
History Education Major (Early Adolescence-Adolescence Certification) - Bachelor of Science (BS) .......... 119
History Major - Bachelor of Arts (BA) .......................................... 102
History Major - Bachelor of Science (BS) ........................................ 105
History Major with Regional Emphasis - Bachelor of Arts (BA) .... 107
History Major with Regional Emphasis - Bachelor of Science (BS) .. 110
History Major with Topical Emphasis - Bachelor of Arts (BA) ....... 113
History Major with Topical Emphasis - Bachelor of Science (BS) .. 116
History Minor .................................................................................. 121
History Minor with Regional Emphasis ............................................ 123
History Minor with Topical Emphasis ............................................. 124
Home .................................................................................................. 8

I
Inclusive Recreation Minor ............................................................ 395
Information Systems (IS) ................................................................. 67
Information Systems (IS) ................................................................. 499
Information Systems Major - Bachelor of Science (BS) ................. 68
Information Systems Minor ............................................................. 69
Information Systems Minor (Non-CBA) .......................................... 69
International Business (IB) .............................................................. 70
International Business (IB) .............................................................. 501
International Business Major - Bachelor of Science (BS) .............. 71
International Business Minor .......................................................... 72
International students .................................................................... 18
International Studies (INS) .............................................................. 126
International Studies (INS) .............................................................. 501
International Studies Minor ............................................................ 127
International Studies Minor: Asian Emphasis ............................... 130
International Studies Minor: European Emphasis ....................... 134
International Studies Minor: Latin American Emphasis ................ 138
International Studies Minor: Middle East Emphasis ...................... 142

L
Latina/o and Latin American Studies ............................................. 146
Liberal Studies (LS) ......................................................................... 146
Liberal Studies (LS) ......................................................................... 502
Literature Minor ................................................................................. 93

M
Majors, minors, and programs ...................................................... 14
Management (MGT) ......................................................................... 72
Management (MGT) ......................................................................... 502
Management Major - Bachelor of Science (BS) ......................... 73
Marketing (MKT) ............................................................................ 74
Marketing (MKT) ............................................................................ 505
Marketing Major - Bachelor of Science (BS) ................................. 75
Mathematics (MTH) ........................................................................ 355
Mathematics (MTH) ........................................................................ 506
Mathematics - Bachelor of Arts (BA) ............................................. 356
Mathematics - Bachelor of Science (BS) ........................................ 357
Mathematics Education Major (Early Adolescence-Adolescence Certification) - Bachelor of Science (BS) ....... 360
Mathematics Education Minor (Early Adolescence-Adolescence Certification) ................................................. 364
Mathematics Education Minor (Middle Childhood-Early Adolescence) ................................................................. 364
Mathematics Major with Applied Emphasis (BS) ......................... 358
Mathematics Major with Education Emphasis ......................... 359
Mathematics Minor ........................................................................... 364
Mathematics Minor with Education Emphasis ............................ 365
Medical Dosimetry (DOS) ................................................................. 365
Medical Dosimetry (DOS) ................................................................. 510
Microbiology (MIC) .......................................................................... 365
Microbiology (MIC) .......................................................................... 511
Microbiology Honors Program .......................................................... 372
Microbiology Major - Bachelor of Science (BS) ......................... 367
Microbiology Major: Biomedical Concentration - Bachelor of Science (BS) ......................................................... 368
Microbiology Major: Business Concentration - Bachelor of Science (BS) ......................................................... 369
Microbiology Major: Environmental Science Concentration - Bachelor of Science (BS) ................................. 371
Microbiology Minor ......................................................................... 372
Military Science (MS) ....................................................................... 146
Military Science (MS) ....................................................................... 513
Military Science Minor ................................................................. 147
Missions ............................................................................................. 11
Modern Languages (MLG) ............................................................... 147
Modern Languages (MLG) ............................................................... 514
Music (MUS) .................................................................................. 243
Music (MUS) .................................................................................. 515
Music Applied (MUA) .................................................................... 520
Music Education Major: Choral Music Emphasis - Bachelor of Science (BS) ......................................................... 261
Russian (RUS) ................................................................................. 547
Russian Studies Certificate ........................................................... 172

S
School Health Education (SHE) ..................................................... 548
School Health Education - Bachelor of Science (BS) .................... 351
School Health Education Minor for Early Childhood - Adolescence Certification .................................................. 353
School Health Education Minor for Elementary-Middle Level Education Program ............................................. 353
School of Education (SOE) ............................................................. 397
Science and Health (SAH) ............................................................... 549
Second degree students ................................................................. 19
Social Studies Education (Broad field) major (early Adolescence-Adolescence Certification) - BS ...................... 84
Social Studies Education (Broad Field) Major (Early Adolescence-Adolescence Certification) - BS ..................... 120
Social Studies Education (Broad Field) Major (Early Adolescence-Adolescence certification) - BS .................... 186
Social Studies Education (Broad Field) Major (Early Adolescence-Adolescence Certification) - BS .................. 208
Social Studies Education (Broad Field) Major (Early Adolescence-Adolescence Certification) - BS .................. 345
Social Studies Minor (Middle Childhood-Early Adolescence) ....... 410
Sociology (SOC) ............................................................................. 550
Sociology and Archaeology (SOC/ARC) ....................................... 198
Sociology Education Major (Early Adolescence-Adolescence Certification) - Bachelor of Science (BS) ................. 202
Sociology Education Minor ............................................................. 210
Sociology Honors Program ............................................................... 211
Sociology Major - Bachelor of Arts (BA) ........................................ 199
Sociology Major- Bachelor of Science (BS) .................................. 201
Sociology minor ............................................................................. 210
Spanish (SPA) .............................................................................. 555
Spanish Education Major (EC-A or MC-EA Certification) - Bachelor of Science (BS) ...................................... 163
Spanish Education Minor (Early Adolescence-Adolescence Certification) ......................................................... 168
Spanish Education Minor (Middle Childhood - Early Adolescence Certification) .................................................. 169
Spanish Major - Bachelor of Arts (BA) ......................................... 159
Spanish Major with Business Concentration - Bachelor of Arts (BA) ................................................................. 161
Spanish Minor .............................................................................. 168
Special Education (SPE) ................................................................. 557
Special Education Program ............................................................ 409
Special non-degree students ........................................................ 19
State authorization ....................................................................... 11
Statistics Major - Bachelor of Science (BS) ................................. 361
Statistics Major with Concentration in Actuarial Science - Bachelor of Science (BS) .............................................. 362
Statistics Minor ............................................................................. 364
Student conduct .......................................................................... 34
Sustainable Business Minor ......................................................... 62

T
Teaching English to Speakers of Other Languages (TESOL) Minor ................................................................. 170
Teaching English to Speakers of Other Languages (TSL) ............. 558
Theatre Arts (THA) ...................................................................... 265
Theatre Arts (THA) ...................................................................... 559
Theatre Arts Major: Arts Administration Emphasis - Bachelor of Arts (BA) ......................................................... 266
Theatre Arts Major: Arts Administration Emphasis - Bachelor of Science (BS) ..................................................... 267
Theatre Arts Major: Design/Technical Emphasis - Bachelor of Arts (BA) ............................................................. 269
Theatre Arts Major: Design/Technical Emphasis - Bachelor of Science (BS) .......................................................... 270
Theatre Arts Major: General Emphasis - Bachelor of Arts (BA) ................................................................. 272
Theatre Arts Major: General Emphasis - Bachelor of Science (BS) ............................................................... 273
Theatre Arts Major: Music Theatre Emphasis - Bachelor of Arts (BA) .............................................................. 275
Theatre Arts Major: Music Theatre Emphasis - Bachelor of Science (BS) ............................................................ 276
Theatre Arts Major: Performance Emphasis - Bachelor of Arts (BA) ............................................................... 277
Theatre Arts Major: Performance Emphasis - Bachelor of Science (BS) ............................................................. 279
Theatre Arts Major: Stage Management Emphasis - Bachelor of Arts (BA) ......................................................... 280
Theatre Arts Major: Stage Management Emphasis - Bachelor of Science (BS) .................................................... 282
Theatre Arts Minor: Arts Administration Emphasis .................... 283
Theatre Arts Minor: Design/Technical Emphasis ......................... 283
Theatre Arts Minor: General Emphasis ......................................... 284
Theatre Arts Minor: Music Theatre Emphasis .............................. 284
Theatre Arts Minor: Performance Emphasis .............................. 285
Theatre Arts Minor: Stage Management Emphasis ................... 285
Therapeutic Recreation (RTH) ...................................................... 562
Therapeutic Recreation Major - Bachelor of Science (BS) ............ 393
Transfer student admissions .......................................................... 17

U
Undergraduate ............................................................................. 9

V
Veteran benefits ......................................................................... 24

W
Withdrawal .................................................................................. 35
Women's Gender and Sexuality Studies (WGS) ......................... 212