

Radiologic Science Major: Radiologic Technology Emphasis - Bachelor of Science (BS)

Major requirements

(College of Science and Health)

Admission

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. The clinical internship sites are affiliated professional and accredited schools of radiologic technology. Applications are available on each of the clinical internships/school of radiologic technology websites or on UWL's Radiologic Technology Program (<https://www.uwlax.edu/academics/department/health-professions/academic-programs/radiologic-technology/>) 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.
2. Applicants are required to have a minimum cumulative grade point average of 2.5 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 2.5 on a 4.0 scale.
3. Students must have a recent set of immunizations prior to admission to comply with clinical internship 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 school of radiologic technology.

Selection process

The university sponsors the number of students which are accepted to affiliated, professional radiologic technology schools which serve as the clinical internship sites. The size of the program is limited by these internships. Students must make formal application to the various clinical internships/schools, separately, during the fall semester to meet the early December deadline. Refer to the sample degree plan tab. The clinical internships/schools of radiologic technology the student applies to maintains a selection committee. The committee 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.

Acceptance is effective at the beginning of the third year and 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.

Schools of radiologic technology affiliated with the Radiologic Technology Program:

- University of Wisconsin Health, School of Radiologic Technology, Madison, Wis.
- Northcentral Technical College Radiography Program, Wausau, Wis.¹

¹ Radiologic technology students who are admitted to the Northcentral Technical College radiography program, will complete the required two year-long program at the Northcentral Technical College (NTC) enroll at NTC rather than at UW-La Crosse. The courses taken during the two year-long program at NTC meet the UW-La Crosse RAD program requirements. The student must request an official transcript be sent to UW-La Crosse from NTC. Upon successful completion of the program and all other graduation requirements, the students are awarded the Bachelor of Science degree from UW-La Crosse. The Northcentral (NTC) grants an Associates Degree in radiologic technology.

Curriculum

(98 total credits, including internship)

Retention of good standing in the program requires students maintain a grade of "C" or higher in all required courses, as well as a semester and cumulative grade point average of 2.5 on a 4.0 scale.

Code	Title	Credits
Pre-professional requirements		
BIO 105	General Biology ²	4
BIO 312	Human Anatomy and Physiology I	4
BIO 313	Human Anatomy and Physiology II	4
CHM 103	General Chemistry I ²	5
CT 100	Introduction to Computational Thinking ²	3
HP 250	Medical Terminology for Health Professions	1
MTH 150	College Algebra ^{2,3}	4
PHY 134	Physics for Nuclear and Radiological Sciences	4
Select one of the following:		3
PSY 100	General Psychology ²	
SOC 110	Introduction to Sociology ²	
Total Credits		32

Code	Title	Credits
Clinical internship requirements⁴		
RAD 306	Imaging Procedures I	5
RAD 307	Seminar in Radiology I - Ethics, Law, and Medical Records	3
RAD 308	Imaging Procedures II	5
RAD 309	Imaging Procedures III	3
RAD 350	Introduction to Radiologic Sciences and Health Care	2
RAD 351	Radiation Protection	2

RAD 353	Principles of Imaging I	3
RAD 355	Radiography Clinical Education I	3
RAD 360	Radiation Biology	2
RAD 362	Principles of Imaging II	3
RAD 364	Radiography Clinical Education II	3
RAD 372	Radiography Clinical Education III	4
RAD 401	Seminar in Radiography II - Research in the Radiologic Sciences	2
RAD 470	Radiologic Physics I	2
RAD 473	Imaging Procedures IV	2
RAD 474	Radiography Clinical Education IV	3
RAD 475	Seminar in Radiography III - Physics II	2
RAD 477	Cross-Sectional Anatomy	3
RAD 478	Radiographic Pathology	3
RAD 479	Radiography Clinical Education V	3
RAD 480	Seminar in Radiography IV - Image Analysis	2
RAD 485	Professional Development in Radiography	2
RAD 486	Radiography Clinical Education VI	4
Total Credits		66

Code	Title	Credits
Recommended electives		
HP 106	Introduction to Health Related Careers	2
PSY 212	Lifespan Development	3
PSY 334	Health Psychology	3
PSY 343	Group Dynamics	3
PSY 347	Empathic Listening Skills	3
SOC 420	Health Care and Illness	3
SOC 422	Death, Dying, and Bereavement	3

² This course will also fulfill general education requirements.

³ Students whose math placement exam places them in MTH 151 or higher are not required to take MTH 150, but are required to meet minimum requirements of the General Education: Mathematical/Logical Systems and Modern Languages Category.

⁴ Students in this major are exempt from the General Education Program's writing emphasis requirements and will instead be expected to meet the writing requirements from the accredited off-campus curriculum.

Degree requirements

All students must complete the general education, college core (waived for radiologic 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 (<http://catalog.uwlax.edu/undergraduate/generaleducation/>)
- Baccalaureate degree requirements (p. 2)

Baccalaureate degree requirements

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.
4. Earn a minimum of 120 semester credits with at least a 2.00 cumulative GPA.^{1, 2}
5. At least 40 credits must be earned in 300/400 level courses. Transfer courses earned or transferred at the 300/400 level apply to this requirement.
6. Complete major and minor requirements with at least a 2.00 GPA^{1, 2} in each major and minor (and concentration or emphasis, if selected).
7. A minimum of 30 semester credits in residence at UWL is required for graduation. (See undergraduate resident requirement (<http://catalog.uwlax.edu/undergraduate/academicpolicies/graduation/#undergraduate-residence-requirement>)).
8. Submit an application for graduation via the "Apply for Graduation" link in 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 apply by May 1. May and summer graduates should apply 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.

² The grade point average recorded at the time the degree is awarded will not be affected by future enrollment.

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

Below is a sample degree plan that can be used as a guide to identify courses required to fulfill the major and other requirements needed for degree completion. A student's actual degree plan may differ depending on the course of study selected (second major, minor, etc.). Also, this sample plan assumes readiness for each course and/or major plan, and some courses may not be offered every term. Review the course descriptions or the class timetable (<http://www.uwlax.edu/records/registration/>) for course offering information.

The sample degree plans represented in this catalog are intended for first-year students entering UWL in the fall term. Students should use the Advisement Report (AR) in WINGS (<https://wings.uwlax.edu>) and work closely with their faculty advisor(s) and college dean's office to ensure declaration and completion of all requirements in a timely manner.

General Education Program

The general education curriculum (Gen Ed) is the common educational experience for all undergraduates at UWL. Sample degree plans include Gen Ed placeholders to ensure completion of the general education requirements. Courses may be rearranged to fit the needs or recommendations of the student's program of study. Gen Ed courses may be taken during winter term (January between the semesters) and summer to reduce the course load during regular terms (fall and spring). Students should consult with their advisor and/or the college academic services director in their college/school for assistance with course and schedule planning. Refer to the general education requirements (<http://>

catalog.uwlax.edu/undergraduate/generaleducation/) for more specific details.

At least 40 credits of the 120 credits required must be earned at the 300/400-level.

Note: New students and transfer students with less than 12 credits earned are required to take FYS 100 First-Year Seminar (3 cr.) during one of their first two semesters at UWL.

This sample degree plan does not establish a contractual agreement. It identifies the minimum requirements a student must successfully complete, to qualify for a degree, in a format intended to assist the student in planning their academic career. Actual degree plans may differ.

This major is exempt from the CSH College Core requirement.

Year 1

Fall	Credits Spring	Credits
BIO 105 (Gen Ed Natural Lab Science)	4 CHM 103 (Gen Ed Natural Lab Science)	5
MTH 150 (Gen Ed Math/Logical Systems) ¹	4 CST 110 (Gen Ed Literacy-Oral)	3
ENG 110 (Gen Ed Literacy-Written)	3 FYS 100 (Gen Ed First-Year Seminar)	3
Gen Ed World History	3 Gen Ed Minority Cultures	3
	Gen Ed Arts	2-3
	14	16

Year 2

Fall	Credits Spring	Credits
BIO 312	4 BIO 313	4
PSY 100 or SOC 110 (Gen Ed Self & Society)	3 PHY 134	4
CT 100	3 Gen Ed Humanistic Studies	3
HP 250	1 Gen Ed Health & Well-Being	3
Gen Ed Global Studies	3 Gen Ed Arts	2-3
Apply to Radiologic Technology program by mid-December deadline		
	14	16

Year 3

Fall	Credits Spring	Credits Summer	Credits
RAD 306	5 RAD 307	3 RAD 309	3
RAD 350	2 RAD 308	5 RAD 372	4
RAD 351	2 RAD 362	3	
RAD 353	3 RAD 364	3	
RAD 355	3		
	15	14	7

Year 4

Fall	Credits Spring	Credits Summer	Credits
RAD 401	2 RAD 360	2 RAD 485	2
RAD 470	2 RAD 475	2 RAD 486	4
RAD 473	2 RAD 478	3	

RAD 477	3 RAD 479	3
RAD 474	3 RAD 480	2
	12	12
		6

Total Credits: 126

¹ Students whose math placement exam places them in MTH 151 or higher are not required to take MTH 150, but are required to meet minimum requirements of the General Education: Mathematical/ Logical Systems and Modern Languages Category.