

# Dual Degree Program in Physics and Physical Therapy

## Major requirements

This is a dual degree program which enables a student to receive both a Bachelor of Science degree (physics major with biomedical concentration) and a graduate degree (physical therapy) from UW-La Crosse. The total length of time for both degrees is expected to be six, with approximately three years in the physics program and approximately three in the physical therapy program. During the first three years, students will complete general education and college core requirements, physical therapy prerequisite course work, and many of the requirements for the physics major with biomedical concentration. Therefore, the undergraduate portion of the program would include a minimum of 85 credits, including the general education requirements and the following:

Code	Title	Credits
BIO 105	General Biology	4
BIO 312 & BIO 313	Human Anatomy and Physiology I and Human Anatomy and Physiology II	8
CHM 103	General Chemistry I	5
CHM 104	General Chemistry II	5
MTH 207	Calculus I	4
MTH 208	Calculus II	4
MTH 310	Calculus III: Multivariable Calculus	4
PHY 203 or PHY 103	General Physics I Fundamental Physics I	4
PHY 204 or PHY 104	General Physics II Fundamental Physics II	4
PHY 305	General Physics III	3
PHY 306	Modern Physics	3
PHY 311	Experimental Physics	2
PHY 334	Electrical Circuits	3
STAT 145 or STAT 245	Elementary Statistics Probability and Statistics	4
Select three credits of psychology		3
Select three credits of sociology		3

<sup>1</sup> PHY 203 and PHY 204 preferred.

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 advisor 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 (<https://catalog.uwlax.edu/undergraduate/generaleducation/>)
- College core (p. 1)
- Baccalaureate degree requirements (p. 1)
- Doctor of Physical Therapy requirements (<https://catalog.uwlax.edu/graduate/programrequirements/physicaltherapy/dpt/>)

## College of Science and Health (CSH) Bachelor of Science core requirements

B.S. and B.A. students graduating from the College of Science & Health are required to take:

- two MTH/STAT courses or one MTH/STAT course and one CS course from the General Education: Quantitative Reasoning Category (GEN ED 1004); and
- two courses selected from the General Education: Experiential Science Category (GEN ED 1008) and/or from BIO 203, BIO 304, BIO 210, CHM 104, GEO 221, GEO 222, PHY 104 or PHY 204. One of the two courses must be from a department outside of the student's major department.

**Notes:** Mathematics courses can be pairs, i.e. MTH 150 and MTH 151.

**For the Bachelor of Science degree**, in addition to all other College of Science and Health core requirements, students from non-exempted programs<sup>1</sup> must complete one of the following options. It is recommended that courses are selected in consultation with students' academic advisor.

1. Complete a second major; or
2. Complete a minor outside the major; or
3. Complete two certificates outside the major with at least 12 combined credits at the 300/400 level; or
4. Complete an individualized option, consisting of 18 credits
  - a. At least 12 credits must be earned at the 300/400 level outside the major department.
  - b. The remaining six credits should come from
    - i. 100 level or higher courses outside the major (General education courses may apply provided they are not being used to fulfill minimum general education requirements.); or
    - ii. 300/400 level courses inside major not being used to fulfill major requirements.
  - c. Internship credits may not count toward the individualized option.

<sup>1</sup> The list of exempted CSH programs is below.

## 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.<sup>1,2</sup>
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<sup>1, 2</sup> 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 (<https://catalog.uwlax.edu/undergraduate/academicpolicies/graduation/#undergraduate-residence-requirement>).)
8. Submit an application for graduation via the "Submit Intent to Graduate" 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.

<sup>1</sup> 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.

<sup>2</sup> 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 (<https://>

[catalog.uwlax.edu/undergraduate/generaleducation/](https://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.*

Year 1		
Fall	Credits Spring	Credits
PHY 203 or 103 (Gen Ed 1008 Experiential Science)	4 PHY 204 or 104	4
PHY 497	1 PHY 497	1
MTH 207 (Gen Ed 1004 Quantitative Reasoning)	4 MTH 208 (CSH Core)	4
ENG 110 (Gen Ed 1002 Written Literacy)	3 BIO 105 (CSH Core - Gen Ed Experiential Science not PHY)	4
FYS 100 (Gen Ed 1001 First-Year Seminar)	3 CST 110 (Gen Ed 1003 Spoken Literacy)	3
	<b>15</b>	<b>16</b>
Year 2		
Fall	Credits Spring	Credits
PHY 305	3 PHY 306	3
MTH 310	4 PHY 334	3
CHM 103	5 CHM 104	5
Gen Ed 1010 Stories We Tell	3 Gen Ed 1012 Planet That Sustains Us	3
Gen Ed 1013 Cultures of Our World	3 Gen Ed 1007 Arts and Aesthetics	2
	<b>18</b>	<b>16</b>
Year 3		
Fall	Credits Spring	Credits
PHY 311	2 PHY 300/400 Elective	3
BIO 312	4 BIO 313	4
STAT 145	4 SOC 225 (Gen Ed 1005 Ethnic Diversity)	3
Gen Ed 1011 Past That Define Us	3 PSY 100 (Gen Ed 1009 Social and Behavioral Studies)	3
Gen Ed 1007 Arts and Aesthetics	2 Gen Ed 1006 Mind and Body	3
	<b>15</b>	<b>16</b>
<b>Total Credits: 96</b>		