PHYSICS AND SECONDARY EDUCATION (FIVE-YEAR BS/MED)

Become a science teacher: Earn an undergraduate degree in physics and a master's degree in secondary education

In Loyola’s accelerated master’s degree program for science teachers, you’ll earn your undergraduate degree in physics and a graduate degree in teaching grades 9-12, plus an Illinois teaching license in secondary education. You’ll qualify for a higher salary with a graduate degree, and be able to earn both degrees more quickly than if you enrolled in the two programs separately. Plus, there is a high need for science teachers across Illinois.

Curriculum

Students are enrolled in the College of Arts and Science (https://www.luc.edu/cas/) for the first four years, working to complete the requirements for a Bachelor of science degree in physics (https://catalog.luc.edu/undergraduate/arts-sciences/physics/physics-bs/) as well as prerequisites for Loyola’s Graduate Teacher Preparation program. Students may begin the required sequence of classes for the MEd starting in their junior or senior year. They will also formally apply to the School of Education prior to their fifth year. The remainder of required education courses, including student teaching, are completed in the fifth year.

Please note that the MEd includes at least one summer session. Depending on your financial aid package, it is possible to get summer aid as well as prerequisites for Loyola's Graduate Teacher Preparation program. Students may begin the required sequence of classes for the MEd starting in their junior or senior year. They will also formally apply to the School of Education prior to their fifth year. The remainder of required education courses, including student teaching, are completed in the fifth year.

Guidelines for Accelerated Bachelor’s/ Master’s Programs

Terms

• Accelerated Bachelor's/Master's programs: In this type of program, students share limited credits between their undergraduate and graduate degrees to facilitate completion of both degrees.
• Shared credits: Graduate level credit hours taken during the undergraduate program and then applied towards graduate program requirements will be referred to as Shared credits.

Admission Requirements

Accelerated Bachelor's/Master's programs are designed to enhance opportunities for advanced training for Loyola's undergraduates. Admission to these programs must be competitive and will depend upon a positive review of credentials by the program's admissions committee. Accordingly, the admission requirements for these programs may be higher than those required if the master's degree were pursued entirely after the receipt of a bachelor's degree. That is, programs may choose to have more stringent admissions requirements in addition to those minimal requirements below.

Requirements:

• Declared appropriate undergraduate major,
• By the time students begin taking graduate courses as an undergraduate, the student has completed approximately 90 credit hours, or the credit hours required in a program that is accredited by a specialty organization,1
• A minimum cumulative GPA for coursework at Loyola that is at or above the program-specific requirements, a minimum major GPA that is at or above the program-specific requirements, and/or appropriate designated coursework for evaluation of student readiness in their discipline.2

Students not eligible for the Accelerated Bachelor's/Master's program (e.g., students who have not declared the appropriate undergraduate major) may apply to the master's program through the regular admissions process. Students enrolled in an Accelerated Bachelor's/Master's program who choose not to continue to the master's degree program upon completion of the bachelor's degree will face no consequences.3

Ideally, a student will apply for admission (or confirm interest in proceeding towards the graduate degree in opt-out programs) as they approach 90 credit hours. Programs are encouraged to begin advising students early in their major so that they are aware of the program and, if interested, can complete their bachelor's degree requirements in a way that facilitates completion of the program. Once admitted as an undergraduate, Program Directors should ensure that students are enrolled using the plan code associated with the Accelerated Bachelor's/Master's program. Using the plan code associated with the Accelerated Bachelor’s/Master's program will ensure that students may be easily identified as they move through the program. Students will not officially matriculate into the master's degree program and be labeled as a graduate student by the university, with accompanying changes to tuition and Financial Aid (see below), until the undergraduate degree has been

<table>
<thead>
<tr>
<th>Program Overview</th>
<th>5-Year Dual-Degree B.S./M.Ed. Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Years 1-2</td>
<td>Years 3-4</td>
</tr>
<tr>
<td>Content B.A. / B.S. major requirements in CAS</td>
<td>Content B.A. / B.S. major requirements in CAS</td>
</tr>
</tbody>
</table>

Contact Dr. Lara Smetana for School of Education advising

Join a Science Education Professional Learning Community (PLC) in Physics and Secondary Education (Five-Year BS/MEd)

Educational coursework as schedule allows (Sequences 1-3) Optional - complete coursework for endorsements (e.g., bilingual, other content areas)
awarded. Once admitted to the graduate program, students must meet the academic standing requirements of their graduate program as they complete the program curriculum.

1 Programs that have specialized accreditation will adhere to the admissions criteria provided by, or approved by, their specialized accreditors.

2 The program will identify appropriate indicators of student readiness for graduate coursework (e.g., high-level performance in 300 level courses). Recognizing differences between how majors are designed, we do not specify a blanket requirement.

3 If students choose not to enroll in the Accelerated Bachelor’s/Master’s program, they still must complete all of the standard requirements associated with the undergraduate degree (e.g., a capstone).

Curriculum

Level and progression of courses. The Accelerated Bachelor’s/Master’s programs are designed to be competitive and attractive to our most capable students. Students admitted to Accelerated Bachelor’s/Master’s programs should be capable of meeting graduate level learning outcomes. Following guidance from the Higher Learning Commission, only courses taken at the 400 level or higher (including 300/400 level courses taken at the 400 level) will count toward the graduate program. Up to 50% of the total graduate level credit hours, required in the graduate program, may be taken from 300/400 level courses where the student is enrolled in the 400 level of the course. Further, at least 50% of the credit hours for the graduate program must come from courses that are designated for and restricted to graduate students who have been admitted to a graduate program at Loyola (e.g., enrolled in plan code that indicates the Accelerated Bachelor’s/Master’s program, typically ending with the letter “D”).

In general, graduate level coursework should not be taken prior to admission into the Accelerated Bachelor’s/Master’s program. Exceptions may be granted for professional programs where curriculum for the Accelerated Bachelor’s/Master’s program is designed to begin earlier. On the recommendation of the program’s Graduate Director, students may take one of their graduate level courses before they are admitted to the Accelerated Bachelor’s/Master’s program if they have advanced abilities in their discipline and course offerings warrant such an exception. Undergraduate degree requirements outside of the major are in no way impacted by admission to an Accelerated Bachelor’s/Master’s program.

Shared credits. Undergraduate courses (i.e., courses offered at the 300 level or below) cannot be counted as shared credits nor count towards the master’s degree. Up to 50% of the total graduate level credit hours, required in the graduate program, may be counted in meeting both the undergraduate and graduate degree requirements. Of those shared credits, students in an Accelerated Bachelor’s/Master’s program should begin their graduate program with the standard introductory course(s) for the program whenever possible. So that students may progress through the Accelerated Bachelor’s/Master’s program in a timely manner, undergraduate programs are encouraged to design their curriculum such that a student can complete some required graduate credit hours while completing the undergraduate degree. For instance, some of the graduate curriculum should also satisfy electives for the undergraduate major.

The program’s Graduate Director will designate credit hours to be shared through the advising form and master’s degree conferral review process. Shared credit hours will not be marked on the undergraduate record as having a special status in the undergraduate program. They will be included in the student’s undergraduate earned hours and GPA. Graduate credit hours taken during the undergraduate program will not be included in the graduate GPA calculation.

1 If students wish to transfer credits from another university to Loyola University Chicago, the program’s Graduate director will review the relevant syllabus(es) to determine whether it meets the criteria for a 400 level course or higher.

2 Programs with specialized accreditation requirements that allow programs to offer graduate curriculum to undergraduate students will conform to those specialized accreditation requirements.

3 In rare cases, the Graduate Director may authorize enrollment in a 400-level course for a highly qualified and highly motivated undergraduate, ensuring that the undergraduate’s exceptional participation in the graduate class will not diminish in any way the experience of the graduate students regularly enrolled.

4 For example, if a particular course is only offered once every 2-3 years, and a student has demonstrated the necessary ability to be successful, the Graduate Director may allow a student to take a graduate level course to be shared prior to the student being formally admitted to the graduate program. See, also, footnote 4.

5 Students should not, for example, attempt to negotiate themselves out of a writing intensive requirement on the basis of admission to a graduate program.

Graduation

Degrees are awarded sequentially. All details of undergraduate commencement are handled in the ordinary way as for all students in the School/College/Institute. Once in the graduate program, students abide by the graduation deadlines set forth by the graduate program. Students in these programs must be continuously enrolled from undergraduate to graduate degree program unless given explicit permission by their program for a gap year or approved leave of absence.

Learning Outcomes

You’ll have accrued the equivalent of one year of full-time teaching experience through all the hands-on, experiential learning opportunities in Chicago’s classrooms and community organizations, so you will be ready to be at the head of your own classroom. With the foundational knowledge from your Loyola education, you will utilize theories, data, and research practices when making decisions in your classroom and for your students and when assessing the effectiveness of teaching on learning.