

The Ohio State University
College of Arts and Sciences

Physics Minor Program (PHYSICS-MN)

Contact Information

For information about the physics minor, or to enroll in the program, contact Lindsey Thaler, Director of Undergraduate Studies, at 614-247-1635 or thaler.21@osu.edu

About the Physics Minor

Students whose career goals lie in directions other than physics have often expressed interest in physics and a wish for greater exposure than what can be provided in the introductory physics sequence. The physics minor program allows students to gain additional exposure to physics topics such as mechanics, electromagnetism, optics, quantum mechanics, or nanotechnology. The physics minor program requires a minimum of 15 semester credit hours beyond the 10 credit hour introductory calculus based physics sequence (Physics 1250-1251) along with the appropriate number of supporting math courses.

Physics Minor Requirements

Pre-requisites

Physics 1250 – Introductory Physics I (5 hours)
Physics 1251 – Introductory Physics II (5 hours)

Required Courses

Physics 2300 – Intermediate Mechanics II (4 hours)
Physics 2095 – Physics Seminar (1 hour)

Elective Lectures (choose two)

Physics 2301 – Intermediate Mechanics II
Physics 5400 – Electromagnetism
Physics 5400H – Honors Electromagnetism I
Physics 5401H – Honors Electromagnetism II
Physics 5500 – Quantum Mechanics
Physics 5500H – Honors Quantum Mechanics I
Physics 5501H – Honors Quantum Mechanics II
Physics 3470 – Optics
Physics 5300 – Theoretical Mechanics
Physics 5600 – Statistical Physics

Elective Labs (choose one)

Physics 3700 – Data Analysis Lab
Physics 4700 – Electronics Lab
Physics 3201H – Honors Holography
Physics 6810 – Computational Physics

Physics minor program guidelines

Required for graduation No

Credit hours required A minimum of 15 credit hrs. 1000 level courses shall not be counted toward the 15 credit hr minimum.

Transfer credit hours allowed No more than one half of the credit hours required on the minor.

Overlap with the GE No

Overlap with the major Not allowed and

- The minor must be in a different subject than the major.
- The same courses cannot count on the minor and on the major.

Overlap between minors Each minor completed must contain 12 unique hours. Some minors (like physics) require more hours.

Grades required

- Minimum C- for a course to be listed on the minor.
- Minimum 2.00 cumulative point-hour ratio required for the minor.

Minor Approval The minor program description sheet indicates if the minor course work must be approved by:

- The Department of Physics
- The college in which the student's major is located

Filing the minor program form The minor program form must be filed at least by the time the graduation application is submitted to a college/school counselor.

Changing the minor Once the minor program is filed in the college office, any changes must be approved by the Department of Physics

College of Arts and Sciences
Curriculum and Assessment Services
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<http://artsandsciences.osu.edu>

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