

**The Ohio State University
Colleges of the Arts and Sciences
College of Mathematical and Physical Sciences**

Physics Minor (Physics, 380)

Department of Physics, 1040 Physics Research Building
191 West Woodruff Avenue Columbus, OH 43210-1117
614-292-5713; <http://www.physics.ohio-state.edu>

The following program provides a minimum of 21 hours of physics courses beyond the 15-hour introductory calculus-based courses (Physics 131, 132, 133), along with the appropriate supporting mathematics courses. The minimum mathematics needed to support this program is the four-quarter sequence in calculus and analytic geometry (Mathematics 151, 152, 153, 254). There are many alternate means of satisfying this math requirement. Please contact the department for further details.

After the Vice Chair for Undergraduate Studies in the department of Physics (or his/her designate) has approved your Minor Program Form, you should file the form with your college or school counselor. For further information about the minor program, contact the department.

Prerequisite courses

Mathematics 151, 152, 153, 254
Physics 131, 132, 133

Core courses

Physics 261, 295, 416

Elective course work

Any three of the following four-hour courses, consistent with prerequisite requirements, may be used to fulfill the elective physics requirement.

Physics 262, 263, 517, 555, 656, 657, 621, 631, 664
(Please note that all of these courses have prerequisites.)

Physics minor program guidelines

The following guidelines govern this minor.

Required for graduation No

Credit hours required A minimum of 21 beyond the 15-hour introductory calculus-based courses

Transfer credit hours allowed A maximum of 10

Overlap with the GEC Permitted

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 20 unique 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.
- Course work graded Pass/Non-Pass cannot count on the minor.

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

- The academic unit offering the minor

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 or school counselor.

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

- The academic unit offering the minor