

The Ohio State University  
College of Engineering  
Approved by Colleges of the Arts and Sciences

**Nuclear Engineering Minor (NUCLR EN, 312)**

**Nuclear Engineering**

Richard Denning, Chair of Nuclear Engineering Program  
E425 Scott Lab, 201 West 19<sup>th</sup> Ave. Columbus, OH  
43210 614-292-7930; <http://www.nuclear.osu.edu>

The nuclear industry expanded rapidly in the 1960's and early 1970s and during that time hired thousands of engineers and scientists. Now these people are approaching retirement age, and the nuclear industry needs to replace them. Electric utilities, national laboratories, and government regulatory agencies need both nuclear engineers and scientists and engineers in other fields who also have some knowledge of nuclear technology. Because so many senior people are retiring, there will be many opportunities for rapid advancement in the nuclear industry over the next several years. Ohio State now offers an undergraduate minor in Nuclear Engineering to provide students with the knowledge and skills they will need for many entry-level positions in the nuclear industry.

The undergraduate minor in Nuclear Engineering requires 4 core courses and 3 additional courses selected from a list of options. Up to 10 hours of courses in the minor may be used as technical electives in some majors. The courses offered in the Nuclear minor are listed below.

After the Department of Nuclear Engineering adviser 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.

**Core courses (13 credit hours)**

Nuclear Engineering 505 (3), 606 (3), 708 (4), and 736 (3)

**Elective course work (choose 3 courses)**

Nuclear Engineering 716 (3), 720 (3), 735 (3), 737 (3), 742 (3), 743 (3), 745 (3), 771 (3), 776 (3)

**Nuclear Engineering minor program guidelines**

The following guidelines govern this minor.

Required for graduation No

Credit hours required A minimum of 22

Transfer credit hours allowed A maximum of 10

Overlap with the GEC Permitted

Overlap with the major

- The minor must be in a different subject than the major.
- Engineering students can count 10 credit hours from the minor as technical electives in their major program, if approved by the student's major program adviser.

Overlap between minors Each minor completed must contain 20 unique hours.

Grades required

- Engineering students can have a grade lower than C- in a course, as long as they maintain a minimum 2.00 overall CPHR for courses comprising this 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/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