

NUCLEAR ENGINEERING MINOR

Minor Requirements (18 Hours)

The Nuclear Engineering Minor requires four Core Courses, one Nuclear Engineering Elective, and one Engineering Elective.

Core Courses

| Course | Title | Credits |
|---------------------------|---|-----------|
| EMCH 552 | Introduction to Nuclear Engineering | 3 |
| EMCH 553 | Nuclear Fuel Cycles | 3 |
| EMCH 557 | Introduction to Radiation Shielding and Sources | 3 |
| EMCH 558 | Introduction to Nuclear Reactor Systems | 3 |
| Total Credit Hours | | 12 |

Nuclear Engineering Elective (3 hours)

| Course | Title | Credits |
|--------------------------------|--|---------|
| Select one from the following: | | 3 |
| EMCH 550 | Introduction to Nuclear Safeguards | |
| EMCH 555 | Instrumentation for Nuclear Engineering | |
| EMCH 556 | Introduction to Risk Analysis and Reactor Safety | |
| EMCH 573 | Introduction to Nuclear Materials | |

Engineering Elective (3 hours)

Select any 3-credit EMCH course numbered 300 and above that is not used to meet another requirement of the minor or a major requirement in the student's program of study.

Students are encouraged to select the Engineering Elective from the list of Nuclear Engineering Electives or in consultation with their academic advisor.

Note

Most of the courses in the minor have prerequisites, which may include CHEM 111, PHYS 111, and/or MATH 141, MATH 142, MATH 241 or MATH 242.