

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.