

NUCLEAR ENGINEERING MINOR

Minor Requirements

Prerequisite Courses (30 hours)

Course	Title	Credits
PHYS 211	Essentials of Physics I	3
PHYS 211L	Essentials of Physics I Lab	1
PHYS 212	Essentials of Physics II	3
PHYS 212L	Essentials of Physics II Lab	1
CHEM 111	General Chemistry I	3
CHEM 112	General Chemistry II	3
MATH 141	Calculus I	4
MATH 142	Calculus II	4
MATH 241	Vector Calculus	3
MATH 242	Elementary Differential Equations	3
Total Credit Hours		28

Four Core Courses and Two Approved Elective Courses

A student may obtain a minor in Nuclear Engineering by completing at least 18 credit hours consisting of four core courses and two approved elective courses.

Four 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

The Electives for the Minor

A description of the courses satisfying the electives for the minor is maintained in the Department of Mechanical Engineering Office and on the Department's website, <http://www.me.sc.edu/nuclear/academics.html>.