

# NUCLEAR ENGINEERING MINOR

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## 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
<b>Total Credit Hours</b>		<b>28</b>

### 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
<b>Total Credit Hours</b>		<b>12</b>

#### 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>.