

NUCLEAR SCIENCE AND ENGINEERING MINOR

This program is available at the following location:

- Corvallis

The Nuclear Science and Engineering minor is designed to prepare students for careers involved with the many beneficial applications of nuclear energy, radiation, and nuclear and radioactive materials. Nuclear engineering professions are essential to society's well-being since they enable significant public benefits through energy security, national defense, medical health, and industrial competitiveness.

This curriculum is designed for students with professional interests in the field of nuclear engineering and technology. This specialized field involves an integrated study of the physical aspects of ionizing and nonionizing radiation, nuclear power and alternative technology development and application, through theoretical and methodologic development. World-class facilities are available for the instructional and research programs of the school.

Minor Code: A048

Upon successful completion of the program, students will meet the following learning outcomes:

- Identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
- Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.

Code	Title	Credits
Required Core		
NSE 234	NUCLEAR AND RADIATION PHYSICS I	3
NSE 235	NUCLEAR AND RADIATION PHYSICS II	3
NSE 236	NUCLEAR RADIATION DETECTION AND INSTRUMENTATION	4
Electives		
Select 12 credits of upper-division NSE courses ¹		12
Select 5 credits of upper or lower-division NSE courses		5
Total Credits		27

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Consult with advisor for course selection

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