

NUCLEAR ENGINEERING GRADUATE MINOR

Minor Code: 3270

The School of Nuclear Science and Engineering offers graduate work leading toward the Master of Engineering, Master of Science, and Doctor of Philosophy degrees in Nuclear Engineering.

The Nuclear Engineering graduate degree is designed to prepare students for careers involved with the many beneficial applications of nuclear energy, radiation, 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.

Competitive fellowships and research and teaching assistantships are available to incoming graduate students. The U.S. Department of Energy and National Academy for Nuclear Training support a number of fellowship programs each year. We are one of eight participating universities in the U.S. where students may attend graduate school on the Nuclear Engineering, Health Physics, and Applied Health Physics fellowships sponsored by the U.S. Department of Energy. Each year the National Academy for Nuclear Training also supports fellowships for students entering Nuclear Engineering and Radiation Health Physics at OSU.

World-class facilities are available for the instructional and research programs of the school. These are housed in the OSU Radiation Center and include a TRIGA Mark II nuclear reactor, the Advanced Thermal Hydraulic Research Laboratory, the APEX nuclear safety scaled testing facility, and laboratories specially designed to accommodate radiation and the use of radioactive materials.

For more information, contact the School of Nuclear Science & Engineering, NSE.Office@oregonstate.edu, 541-737-2343.

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| Code | Title | Credits |
|---------------------------------------|------------------------------------|---------|
| MS Minor | | |
| Select 15 credits from the following: | | 15 |
| NSE 551 | NEUTRONIC ANALYSIS I | |
| NSE 552 | NEUTRONIC ANALYSIS II | |
| NSE 553 | ADVANCED NUCLEAR REACTOR PHYSICS | |
| NSE 557 | NUCLEAR REACTOR LABORATORY | |
| NSE 567 | NUCLEAR REACTOR THERMAL HYDRAULICS | |
| NSE 568 | NUCLEAR REACTOR SAFETY | |
| NSE 573 | NUCLEAR REACTOR SYSTEMS ANALYSIS | |
| Total Credits | | 15 |

| Code | Title | Credits |
|---------------------------------------|------------------------------------|---------|
| PhD Minor | | |
| Select 18 credits from the following: | | 18 |
| NSE 551 | NEUTRONIC ANALYSIS I | |
| NSE 552 | NEUTRONIC ANALYSIS II | |
| NSE 553 | ADVANCED NUCLEAR REACTOR PHYSICS | |
| NSE 557 | NUCLEAR REACTOR LABORATORY | |
| NSE 567 | NUCLEAR REACTOR THERMAL HYDRAULICS | |
| NSE 568 | NUCLEAR REACTOR SAFETY | |
| NSE 573 | NUCLEAR REACTOR SYSTEMS ANALYSIS | |
| Total Credits | | 18 |