

Undergraduate Minor in Nuclear Engineering

The undergraduate minor in Nuclear Engineering requires 2 core courses and 2 additional courses selected from a list of specializations. The courses offered in the Nuclear Engineering minor and prerequisites are listed below.

Prerequisites

Math 2173, 2177, 2255 (255), or 2415 (415), and Physics 1251 (133)

Core

NUCLREN 4505 Nuclear Science and Engineering (3 credit hours) – AU and SP

NUCLREN 4536 Nuclear Reactor Systems (3 credit hours) - SP

Options (select a minimum of 6 credit hours from the following courses)

NUCLREN 4506 Undergraduate Nuclear Engineering Laboratory (3 credit hours)- AU

NUCLREN 4701 Introduction to Nuclear Power Engineering (3 credit hours)- AU

NUCLREN 5606 Radiation Protection and Shielding (3 credit hours)- AU and SP

NUCLREN 5610 Reactor Safety (3 credit hours)- SP

NUCLREN 5776 Radioactive Waste Management/Nuclear Fuel Cycles (3 credit hours)-
AU

NUCLREN 5742 Nuclear Radiations and Their Measurements (3 credit hours)- SP

NUCLREN 5735 Nuclear Power Plant Operations (3 credit hours)- SP

Grades Required

- Minimum C- for a course to be listed on the minor
- Minimum 2.00 cumulative point-hour ratio in the minor course work

Contact Information

Department of Mechanical and Aerospace Engineering

N250 Scott Laboratory

614-292-0515

maeadvisor@osu.edu