

NUCLEAR ENGINEERING, MINOR

Requirements for a minor may be completed at any campus location offering the specified courses for the minor. Students may not change from a campus that offers their major to a campus that does not offer their major for the purpose of completing a minor.

Career Paths

Penn State's nuclear engineering program relates theory to practice in a way that most universities cannot. Penn State is one of the few universities where undergraduate students can work with a functioning nuclear reactor. The Breazeale Nuclear Reactor is the longest operating licensed research reactor in the country and is one of the premier nuclear research facilities in the world.

Careers

Many nuclear engineering graduates work for electric power companies that use nuclear power plants or help service and maintain these plants. Other graduates work in industries that use radioactivity or radiation, such as medicine, food, and agriculture. These fields need nuclear engineers to detect problems, monitor processes, and protect the public. The federal government also hires nuclear engineers to design next-generation reactors for submarines, aircraft carriers, and space probes; regulate nuclear power or radiation uses; and develop advanced technologies that will be used in future power plants.

MORE INFORMATION ABOUT POTENTIAL CAREER OPTIONS FOR GRADUATES WITH A MINOR IN NUCLEAR ENGINEERING (<https://www.nuce.psu.edu/industry/>)

Opportunities for Graduate Studies

Penn State University is home to the Breazeale Nuclear Reactor, one of the premier reactor research facilities in the country. Our students have the unique opportunity to learn and research in state-of-the-art experimental facilities under the supervision of internationally renowned faculty, scientists, and engineers. We have especially strong research programs in nuclear power, reactor design, nuclear science, and nuclear materials.

MORE INFORMATION ABOUT OPPORTUNITIES FOR GRADUATE STUDIES (<https://www.nuce.psu.edu/students/graduate/prospective.aspx>)