Nuclear Engineering Program Ranking

2

Enrollment
Approximately 200 undergraduate students and 120 graduate students

Degrees Conferred
Approximately 45 undergraduate and 20 graduate degrees each year

Financial Aid
More than 40 undergraduate scholarship recipients each year

SNAPSHOT

Department Chair

Douglass Henderson
Professor

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Student Achievement

- The UW-Madison chapter of the American Nuclear Society is dedicated to service and outreach events such as Boy Scouts, Science Olympiad and science night at local high schools. The chapter has won the Samuel Glasstone Award for the outstanding student section of the American Nuclear Society nine times since 1998.
- A team of engineering mechanics students won the NASA national X-Hab Academic Innovation Challenge in 2011.
- Three of our graduates recently accepted faculty positions.
- Numerous teams of engineering mechanics students have been selected to fly on NASA’s microgravity plane.

Financial Aid
More than 40 undergraduate scholarship recipients each year

Job Placement

- On average, 92 percent of undergraduates are placed in a job (20 percent) or are attending graduate school (72 percent) within a year of graduation
- $55,667—Average starting salary for an undergraduate student
- $68,593—Average starting salary for a graduate student
- $98,900—Average starting salary for a PhD student

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Faculty
Approximately 20 tenured or tenure-track faculty members

The Max Carbon Radiation Science Center is home to the UW-Madison Nuclear Reactor Lab and the Reactor Materials Research Center. The 1 megawatt nuclear reactor is licensed to operate into 2031. The reactor is used to teach nuclear engineering classes and also provides irradiation services and other support for various research projects.

Faculty Excellence

6 National Science Foundation CAREER Award recipients since 1984

1 Presidential Award for Excellence in the Science, Mathematics and Engineering Mentoring Program recipient since 2005

3 National Science Foundation Presidential Young Investigator award recipients since 1984

1 American Association for the Advancement of Science fellow

4 National Academy of Engineering members

1 National Academy of Sciences member

Research Excellence
Research activities in the Department of Engineering Physics span a wide range of techniques and methods, many of which demonstrate an interdisciplinary approach. We also have a nuclear reactor we use to train our students.

We are prioritizing research in the following areas:

- Mechanics of materials
- Astronautics and dynamics
- Nuclear systems engineering
- Fusion science and technology

Research centers, consortia and laboratories within the department include:

- Center for Human Performance and Risk Analysis
- Center for Plasma Theory and Computation
- Fusion Technology Institute
- Pegasus Plasma Experiment
- UW Energy Institute
- UW-Madison Nuclear Reactor Lab
- Max Carbon Radiation Science Center
- Wisconsin Institute of Nuclear Systems
- Wisconsin Public Utility Institute
- Wisconsin Shock Tube

$22M+
Average annual research funding

20+
Number of patents since 1976