Nuclear Engineering Program

Nuclear Engineering (Graduate Program) Ranks 18th in U.S. News & World Report

Degrees Offered:
- M.S. & Ph.D. Mechanical and Nuclear Engineering
- B.S. (ABET Accreditation) Mechanical Engineering with a Nuclear Concentration

Degrees Awarded:
- Bachelors - 16
- Masters - 42
- Doctorates - 9

Enrollment:
- Graduate Students - 109
- Undergraduate Students - 62

Faculty Profile:
- 28 Faculty Overall
- 8 NE Program Faculty
- 7 Tenure / 1 Non-Tenure Track

Research
Focus areas:
- Radiation Processing and Nuclear Materials
- Reactor Physics and Multiphysics
- Thermal Hydraulics and Advanced Reactor Design
- Nuclear Security and Nonproliferation
- Nuclear Fuel Cycle, Reprocessing and Salt Chemistry
- Material Properties in Extreme Environments Produced by Effects of Nuclear Weapons

Sponsored by:

Nuclear Engineering Educational & Research Laboratories
- Computational Applied Reactor Physics Lab
- Computational Energy-Material-Interaction Lab
- Fluids in Advanced Systems and Technology Research Group
- NanoNuclear Engineering Lab
- Nuclear Security and Nonproliferation Lab
- Nuclear Reactor Simulator Lab
- Radiation Detection and Measurement Lab
- Radiochemistry Lab & Laser Spectroscopy Lab (Molten Salt Research Group)

Fellowship and Scholarship Opportunities
- Nuclear Energy University Programs
- National Nuclear Security Administration
- American Nuclear Society
- Dominion Energy Scholarships

Awards (2019-2020)
- 2019 DOE-IUP Scholarship
- 2020 ANS National Scholarships
- 2020 Roy G. Post Foundation Scholarship

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