

NUCLEAR ENGINEERING

Graduate Program Head	Jon Schwantes
Program Code	NUCE
Campus(es)	University Park (Ph.D., M.S., M.Eng.) World Campus (M.Eng.)
Degrees Conferred	Doctor of Philosophy (Ph.D.) Master of Science (M.S.) Master of Engineering (M.Eng.)
The Graduate Faculty	View (https://secure.gradsch.psu.edu/gpms/?searchType=fac&prog=NUCE)

Research areas include:

- Nuclear Science and Applications
- Nuclear Materials
- Nuclear Thermal Hydraulics
- Reactor Physics and Advanced Reactor Design
- Plasma Physics and Engineering
- Nuclear Security, Safeguards, and Safety
- Nuclear Fuel Cycle

Application areas include:

- Advanced Reactor Design
- Nuclear Safety Analysis
- Radiation Instrumentation Development
- Space Nuclear
- Nuclear Nonproliferation Safety and Security
- Plasma Technologies
- Fusion Reactor Design
- Advanced Thermal Hydraulic Modeling
- Neutron Imaging