

# NUCLEAR ENGINEERING

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

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