

## ENERGY SOLUTIONS. POWERING TOMORROW.



*Dr. Andreas Enqvist*  
Nuclear Engineering  
Program Director

The Nuclear Engineering Program is housed within the Herbert Wertheim College of Engineering's Department of Materials Science & Engineering at the University of Florida.

The program offers students an opportunity to work on research teams related to backscatter radiography, extreme

environments testing and nuclear fuel cycles. Students conduct research alongside academics and in partnership with national labs and government agencies.

The department offers ABET-accredited bachelor's degree in Nuclear Engineering and graduate degrees in Nuclear Engineering Sciences.

**#12**

NUCLEAR ENGINEERING  
GRADUATE PROGRAM  
AMONG PUBLIC  
UNIVERSITIES

**\$1M**

AWARDED IN FUNDING FROM DOE  
AND INMM FOR 2 EARLY CAREER  
FACULTY RESEARCH PROJECTS

**\$6M**

GRANT PROJECT  
BEING CONDUCTED  
WITH ARPA-E

**10**

NUMBER OF TENURED AND TENURE-  
TRACK RESEARCH FACULTY  
IN THE NE PROGRAM



Information sourced from: U.S. News & World Report; Departmental Resources; ASEE

### Partnerships

Argonne National Laboratory; Idaho National Laboratory; Oak Ridge National Laboratory; Pacific Northwest National Laboratory; United States Department of Energy; United States Department of Defense; Nuclear Energy University Program;

### Research Areas

- ▶ Nuclear Fuels and Materials
- ▶ Radiation Detection and Imaging
- ▶ Reactor Physics
- ▶ Radiochemistry
- ▶ Fusion and Plasma Physics
- ▶ Nuclear Security and Nonproliferation

### Research Facilities

The **Nuclear Engineering Program** offers hands-on experience through its research laboratories. Facilities include the UF Training Reactor, hot cell, hot-scanning electron microscope - focused ion beam tool, hot transmission electron microscopy, microstructural characterization, radiation instrumentation and mechanical testing laboratories. Below are four of our popular labs students utilize to both expand their knowledge and advance their research.

- ▶ **University of Florida Training Reactor (UFTR)**
- ▶ **Nuclear Fuels and Materials Characterization (NFMC) Laboratory - a Nuclear Science User Facility (NSUF)**
- ▶ **HiPerGator (UF High Performance Computing Center)**
- ▶ **Laser and Optics Laboratory**