



ANDREAS ENQVIST, PH.D.

NUCLEAR ENGINEERING
PROGRAM DIRECTOR

The **Nuclear Engineering Program** is in the Department of Materials Science & Engineering, part of the Herbert Wertheim College of Engineering at the University of Florida.

This program allows students to collaborate on research projects in backscatter radiography, extreme environments testing, and nuclear fuel cycles. Students also engage in research activities alongside esteemed academics and

collaborate with national laboratories and government agencies.

The department offers Bachelor, Master's and Ph.D. degrees in Nuclear Engineering Sciences - all accredited by ABET.

RESEARCH AREAS

- Nuclear Fuels and Materials
- Radiation Detection and Imaging
- Reactor Physics
- Radiochemistry
- Fusion
- Plasma Physics
- Nuclear Security, Safeguards and Nonproliferation
- Lasers and Optics
- Thermal Hydraulics

RESEARCH FACILITIES

- University of Florida Training Reactor (UFTR)
- Nuclear Fuels and Materials Characterization Laboratory
- HiPerGator (UF High Performance Computing Center)
- Radiochemistry Laboratory
- Laser and Optics Laboratory
- The Advanced Radiation Detection and Imaging Systems (TARDIS) Laboratory

FACTS & FIGURES

ENROLLED STUDENTS

79 Undergraduate

30 Graduate

2023-24 Academic Year

UNDERGRADUATE STUDENTS

29%

UNDERREPRESENTED
GROUPS

11%

WOMEN

#13

GRADUATE NUCLEAR
ENGINEERING PROGRAM
IN THE U.S.



\$25M

NNSA-CNF CONSORTIUM LED BY
THE UNIVERSITY OF FLORIDA

13

FULL-TIME
NUCLEAR FACULTY

10

STUDENTS
WITH EXTERNAL
FELLOWSHIPS



THE UF NUCLEAR ENGINEERING PROGRAM HAS HIRED SEVEN NEW FACULTY MEMBERS SINCE 2017, INCREASING THE SIZE OF THE PROGRAM BY NEARLY 50%.



THE UF TRAINING REACTOR, BUILT IN 1959, WAS ONE OF THE FIRST NUCLEAR REACTORS ON A UNIVERSITY CAMPUS AND IS THE ONLY RESEARCH REACTOR IN THE STATE OF FLORIDA.