The Department of Materials Science and Engineering at the University of Florida is the top-ranked program in the state and is one of the oldest in the country. The department offers a hands-on approach to engineering steeped in a foundation of theoretical and science education that bridges engineering, chemistry, and physics. The goal is to educate well-rounded and successful engineers through design labs where students work on solving real problems facing society.

The department is ABET-accredited and offers bachelor’s and graduate degrees in Materials Science and Engineering. The department offers students an opportunity to specialize in a specified material through a certificate option. In addition, the department is looking toward the future of engineering by expanding our nuclear materials, biomaterials, computational materials, and artificial intelligence research areas.

These professorships are the result of donors who prioritize research and want to help attract and retain top faculty. Thanks to a $1 Million gift in 2018, the department added two new named professorships honoring the legacy of the department founder, Dr. Frederick “Fred” Rhines and two early faculty, Robert DeHoff and Larry Hench.
The Nuclear Engineering Program is housed within the Herbert Wertheim College of Engineering’s Department of Materials Science and 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.

The Nuclear Engineering Program offers hands-on experience through its research labs. Facilities include the 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 five popular labs for students to gain knowledge and one of our newest labs that will expand our nuclear proliferation research.

**Research Facilities**

- **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**

**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;