TEXAS A&M UNIVERSITY
Department of Nuclear Engineering

2021-22 FACT SHEET

The Department of Nuclear Engineering at Texas A&M University was established in 1957 and serves the nation and global community by nurturing nuclear engineering professionals to meet the complex challenges associated with the peaceful uses of nuclear energy and enhancing global security. The department is the largest nuclear engineering program in the U.S. with a current enrollment of 272 undergraduate and 128 graduate students.

Our high faculty-to-student ratio allows us to offer relatively small class sizes and mentor groups that promote a strong sense of family within the department. The department's graduate program is ranked third nationally among public universities, according to the *U.S. News and World Report*.

RESEARCH

The Department of Nuclear Engineering is involved in research across multiple areas of study, including reactor physics and computational science, nuclear security research, nuclear power engineering, nuclear materials, and health and medical physics.

Our department averaged over $16 million in research expenditures for the 2020-21 fiscal year and takes pride in maintaining experts in their respective fields. Students in our program conduct groundbreaking research, and focus on areas such as nuclear fuels, solid/ion interactions, particle transport, large-scale scientific computing, materials and extreme environments, reactor safety, design of advanced nuclear reactors, thermal hydraulics, computational fluid mechanics, reactor kinetics and control, plutonium disposition, space nuclear power systems, radiation interactions with living tissue, dosimetry and medical radionuclides.

Our research facilities include two research reactors, five accelerators and a high-energy pulsed plasma laboratory, in addition to a multitude of other laboratory resources.

A large faculty with diverse expertise, facilities that are second to none and a history of strong support from college administrators and former students give us the tools needed to equip today's students with the skills necessary for the wide-ranging applications of nuclear science and technology.

RANKINGS

(*U.S. News & World Report,* Public)

2nd

GRADUATE (2023)

AREAS OF FOCUS

- Nuclear Power Engineering
- Nuclear Fuel Cycles and Materials
- Computational and Data Sciences Applied to National Security and Nuclear Engineering
- Nuclear Security and Nonproliferation
- Health Physics, Radiation Biology and Medical Physics

ENROLLMENT

UNDERGRADUATE (sophomore-senior)	**272**
GRADUATE	**128**
Master's	**47**
Ph.D.	**81**

FACULTY

Tenured/Tenure-Track	**17**
Academic Professional Track Faculty	**7**
Emeritus Faculty	**6**
Research Staff	**7**

FACILITIES AND CENTERS

- Accelerator Laboratory
- AGN-201M Nuclear Reactor Laboratory
- Fuel Cycle and Materials Laboratory
- Interphase Transport Phenomena Laboratory
- Thermal-Hydraulic Research Laboratory
- Microbeam Cell Irradiation Facility
- Nuclear Heat Transfer Systems Lab
- Nuclear Forensics Laboratory
- Nuclear Engineering and Science Center (1MW Triga Reactor)
- Radiation Detection Measurement Laboratory
- Nuclear Power Plant Simulator Engineering Laboratory
- Center for Large-Scale Scientific Simulations
- Cyclotron Institute
- National Center for Electron Beam Food Research
- Center for Nuclear Security Science and Policy Initiatives
- Neutron Sensing Laboratory