

HISTORY

Founded in 1957—the first Department of Nuclear Engineering in the US

1,400+ graduates in 60 years

STUDENT PROFILE

89 graduates in 2018

41 BS
24 MS
24 PhD—most ever

2018-19 Enrollment

355 total students
206 BS
25 MS
124 PhD—up 450% since 2008

Major Degree Tracks

Nuclear Power Engineering
Radiological Engineering

Graduate Certificates

Nuclear Criticality Safety
Reliability and Maintainability Engineering
Nuclear Security Science and Analysis

Graduate Student Support

86 Graduate Research Assistantships
17 Graduate Teaching Assistantships
11 UT Fellowships (Chancellor, UT Top 100, Tickle College)
30 External Fellows
(NEUP, NNSA, CIRE, CNEC, NNIS, NRC, Rickover)
9 US Military



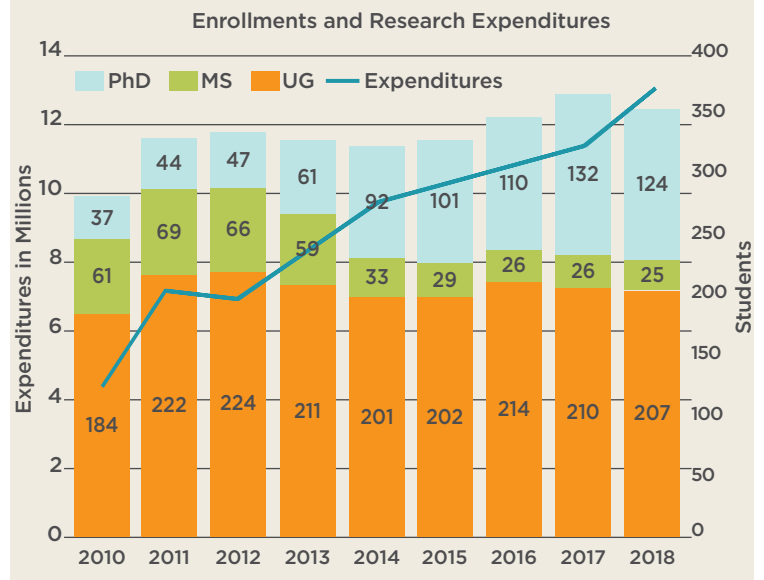
Construction has begun on the new \$129M Engineering Complex to house NE and their 23 new laboratories. See progress: tiny.utk.edu/gateway

FACULTY PROFILE

14 total T/TT faculty
2 open faculty searches
2 asst, 6 assoc, 6 full, 3 Half-time Emeritus
2 UT-ORNL Governor's Chairs
3 Non-UT Joint Faculty (2 ORNL, 1 Y-12)
1 National Academy of Engineering (NAE) Member
8 ANS Fellows
13 Research Faculty, 28 Adjunct Faculty
11 Research Scientists, 6 Post-Doctoral Research Scholars

2017 ASEE UT Nuclear Engineering Rankings

#1 in PhD student enrollment #5 in MS graduates
#2 in total student enrollment #5 in federal research expenditures
#3 in PhD graduates #5 in number of T/TT faculty



RESEARCH

\$12.3 million in expenditures

Focus Areas

Nuclear Fuels and Materials
Nuclear Security
Radiological Sciences and Health Physics
Nuclear I&C, Reliability, and Safety
Nuclear Fusion Technology
Nuclear Fuel Cycles
Advanced Modeling and Simulation
Radiation Detection and Measurement

INFRASTRUCTURE

Construction is underway on the **new 228,000 sq-ft engineering complex** that will house departmental offices, study spaces, classrooms, collaboration areas, and **23 new nuclear engineering labs**, tripling the department's current physical footprint.

FACILITIES & EQUIPMENT

Parallel Computing through ACF and local Beowulf clusters
Heat Transfer and Fluid Flow Measurements Laboratory
Data Acquisition and Instrument Characterization Laboratory
Prognostics, Reliability, and Control Laboratory
Radiochemistry and Nuclear Forensics Laboratory
Ion Beam Materials Laboratory
Micro-Processing Research Facility
UT-ORNL Joint Institute for Advanced Materials