2019 OVERVIEW

2018 ASEE UT Nuclear Engineering Rankings
#1 in PhD student enrollment
#1 in PhD degrees granted
#3 in BS degrees granted
#3 in federal expenditures per faculty
#2 in total student enrollment
#5 in federal research expenditures

STUDENT PROFILE
73 graduates in 2019
38 BS
24 MS
11 PhD

2019–20 Enrollment
332 total students
194 BS
23 MS
115 PhD

Major Degree Tracks
Nuclear Power Engineering
Radiological Engineering
Medical Physics

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

FACULTY PROFILE
15 total T/TT faculty
2 open faculty searches
1 asst, 7 assoc, 7 full, 2 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

RESEARCH
$12.6 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 has begun on the new $129M Engineering Complex to house NE and their 23 new laboratories. See progress: tiny.utk.edu/gateway

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
Ion Beam Materials Laboratory
Scintillation Materials Research Laboratory
Radiochemistry and Nuclear Forensics Laboratory
Data Acquisition and Instrument Characterization Laboratory
Prognostics, Reliability, and Control Laboratory
Micro-Processing Research Facility
UT-ORNL Joint Institute for Advanced Materials
Parallel Computing ACF and Local Beowulf Clusters

HISTORY
Founded in 1957—the first Department of Nuclear Engineering in the US
1,400+ graduates in 60 years

Visit us online: ne.utk.edu • Connect: utne@utk.edu, 865-974-2525 • Social: @utnuclear @utkne