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

STUDENT PROFILE
2019-20 Graduates
87 total graduates
43 BS
29 MS
15 PhD

2020-21 Enrollment
351 total students
209 BS
30 MS
112 PhD

Major Degree Tracks
Nuclear Power Engineering
Radiological Engineering
Medical Physics

Minor Degree Tracks
Nuclear Safety
Nuclear Decommissioning
Maintenance and Reliability

Graduate Certificates
Reliability and Maintainability Engineering
Nuclear Security Science and Analysis
Medical Physics

Graduate Student Support
89 Graduate Research Assistantships
17 Graduate Teaching Assistantships
11 UT Fellowships (Chancellor, UT Top 100, Tickle College)
22 External Fellows
(NEUP, NNSA, CIRE, CNEC, NNIS, NRC, Rickover)

FACULTY PROFILE
15 total T/TT faculty
1 open faculty position
2 asst, 5 assoc, 8 full, 3 part-time emeritus
2 UT-ORNL Governor’s Chairs
2 Professors of Practice
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 is underway on the new 228,000 sq-ft engineering complex that will house nuclear engineering departmental offices, study spaces, classrooms, collaboration areas, and 23 new nuclear engineering labs, tripling the department’s current physical footprint.

NEW $129M ZEANAH ENGINEERING COMPLEX TO OPEN SUMMER 2021. SEE PROGRESS: TINY.UTK.EDU/GATEWAY

FACILITIES & EQUIPMENT
Ion Beam Materials Laboratory
Scintillation Materials Research Laboratory
Radiochemistry and Nuclear Forensics Laboratory
Data Acquisition and Instrument Characterization Laboratory
Nuclear 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

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