

HISTORY

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

1,400+ graduates in 60 years

STUDENT PROFILE

78 graduates in 2017

44 BS

18 MS

16 PhD

2017-18 Enrollment

367 total students

211 BS—up 93% since 2007

27 MS—up 135% since 2007

129 PhD—up 500% since 2007

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

5 UT Chancellor's fellows

17 graduate teaching assistants

80 graduate research assistants

22 DOE/DHS fellows (NEUP, NNSA, NFGF, CIRE)



Brian Wirth, UT-ORNL Governor's Chair for Computational Nuclear Engineering, is the lead PI on a \$19.6M multi-institution, 5-year SciDAC project on Plasma Surface Interactions.

FACULTY PROFILE

18 total T/TT faculty

5 asst, 4 assoc, 9 full

3 UT-ORNL Governor's Chairs

1 National Academy of Engineering member

2 external joint faculty (1 ORNL, 1 Y-12)

20 research faculty (3 full time) and 6 full time research associates

28 adjunct faculty

9 postdoc fellows

2016 ASEE UT Nuclear Engineering Rankings

#1 in PhD student enrollment

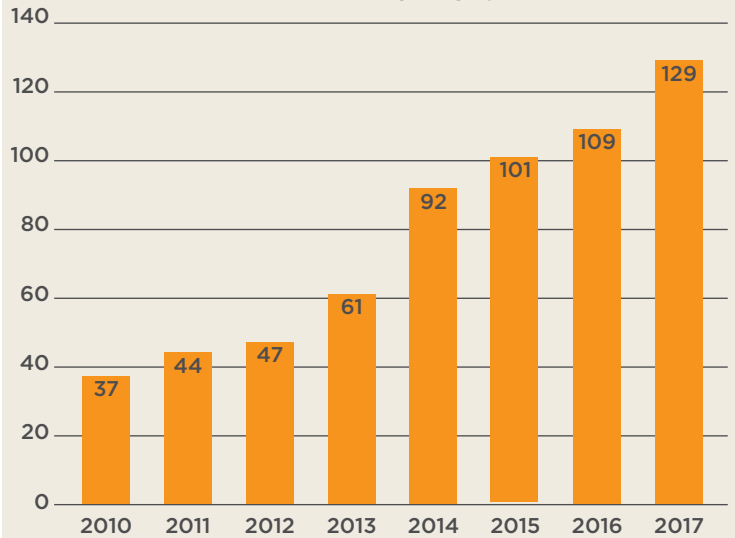
#3 in PhD graduates

#1 in MS graduates

#4 in Federal Research Expenditures

#4 in number of T/TT faculty

PhD Enrollment



RESEARCH

\$11.1 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

New 228,000 sq-ft building design underway to house departmental offices, study spaces, classrooms, collaboration areas, and **23 new nuclear engineering labs**. Will triple 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 (IBML)

Micro-Processing Research Facility

UT/ORNL Joint Institute for Advanced Materials