



Program for Officers in U.S. Nuclear Navy

Master's Degree in Mechanical Engineering
Nuclear and Radiation Engineering Program

The Nuclear and Radiation Engineering Program within the Mechanical Engineering Department at The University of Texas at Austin is offering a distance learning Master's degree program specialized for U.S. Navy officers who have completed the U.S. Navy Nuclear Power School. The Mechanical Engineering Department graduate program at The University of Texas at Austin is ranked 10th in the United States by *U.S. News and World Report*.

A report option and course-work only option are available for this program. Course requirements are shown below.

	Report Option	Course Work Only Option
ME 397P Project Course Credits for completion of Navy Nuclear Power School	6 credits	6 Credits
Real courses	24 credits (8 3-credit courses)	30 Credits (10 3-credit courses)
ME 398R – Masters Report *	3 Credits	n/a
Total	33 Credits	36 Credits

* Complete a report (50 - 100 pages) on nuclear related topic. Topic approval is required by a supervisor at The University of Texas at Austin.



Program specific information may be found at <http://nuclear.engr.utexas.edu/>. Please contact Dr. Steven Biegalski (512-232-5380 or biegalski@mail.utexas.edu) for additional inquiries.

Information about admission can be found on the main Graduate Mechanical Engineering admissions webpage (<http://www.me.utexas.edu/graduate/applying.php>).

Distance learning courses are available directly through The University of Texas at Austin as well as through the University Engineering Alliance (<http://www.universityengineeringalliance.org/index.html>).

Completion of the program is possible in one year for students devoted to work on it full time. An example course outline for completion in one year is listed below. Some graduate courses are taught on a three semester rotating basis, so all courses will not be available every year.

Fall Semester

ME 337C – Introduction to Nuclear Engineering

ME 388M - Mathematical Methods for Nuclear and Radiation Engineers

ME 389C - Nuclear Environmental Protection

ME 389F - The Nuclear Fuel Cycle

ME 3397P – Projects in Mechanical Engineering (To receive graduate credit for Nuclear Power School.)

Spring Semester

ME 388C - Nuclear Power Engineering

ME 388D – Nuclear Reactor Theory I

ME 388H – Nuclear Safety and Security

ME 388P - Applied Nuclear Physics

ME 397P – Projects in Mechanical Engineering (To receive graduate credit for Nuclear Power School.)

Summer Semester

ME 398R – Master’s Report (Complete 50-100 page report on nuclear topic).

Up to two courses may from the University Engineering Alliance may be substituted into the degree program. Other classes available via distance learning at The University of Texas at Austin include:

ME 388S - Modern Trends in Nuclear and Radiation Engineering

ME 388J - Neutron Interactions and their Applications in Nuclear Science and Engineering

ME 390T - Nuclear and Radiochemistry

A two-week laboratory course, ME F390N Health Physics Laboratory, is taught the last two weeks of May every year for students who may be available to take a nuclear instrumentation laboratory course in Austin, TX.