

**DEGREE PLAN REQUIREMENTS
FOR MASTER OF SCIENCE
IN NUCLEAR ENGINEERING
WITH NUCLEAR NONPROLIFERATION SPECIALIZATION**

**MASTER OF SCIENCE
(NUCLEAR NONPROLIFERATION SPECIALIZATION)**

Department	Course No.	Title	Hours
NUEN	601	Nuclear Reactor Theory	3
NUEN	604	Nuclear Radiation Shielding	3
NUEN	605*	Rad. Detection and Nucl. Mat. Measurement	3
NUEN	606	Nuclear Reactor Analysis and Experimentation	4
NUEN	650	Nuclear Nonproliferation and Arms Control	3
NUEN	651*	Nucl. Fuel Cycles and Nucl. Material Safeguards	3
NUEN	656*	Critical Analysis of Nuclear Security Data	4
NUEN	681	Seminar	2
TOTAL			25

* Or equivalent NUEN 689 course.

In addition to the 25 hours listed above, the Master of Science Degree requires another 7 hours, for a total of 32 hours. The additional 7 hours should be a combination of NUEN 691 (research) hours and elective courses (possibly NUEN 685 Directed Study courses), as decided by the student's committee.

In addition, the M.S. degree requires completion of a master's thesis.