

# Minor in Nuclear Engineering

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The Minor in Nuclear Engineering is one of three minors offered within the Nuclear Engineering academic curriculum to provide students the opportunity to obtain education and training in nuclear sciences. It is designed for students from Biology, Chemistry, Engineering, Physics or related disciplines who are interested in nuclear power.

## Requirements

The minor requires a minimum of 15 credits of course work. As background preparation, the minor requires math through differential equations and two semesters of calculus-based physics.

**Required courses:**

ENGINR 2300 or MAE 2300 or CH_ENG 3261	Engineering Thermodynamics Thermodynamics Chemical Engineering Thermodynamics I	3
MAE 4371	Energy Systems and Resources	3
ECE 4030	Introduction to Nuclear Reactor Engineering	3
CHEM 4600	Introduction to Radiochemistry with Lab	3
<b>Select one additional course from the list below:</b>		
RA_SCI 4303	Radiation Safety	3
PEA_ST 4330	Science and Technology of Terrorism and Counterterrorism	3
ECE 4550	Introduction to Plasmas	3
MAE 4660 or CV_ENG 4660	Vibration Analysis Vibration Analysis	3
CH_ENG 2303	Harnessing the Atom in Everyday Life: Fulfill M Curie's Dream	3