Minor in Nuclear Engineering

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	Engineering Thermodynamics	3
or MAE 2300	Thermodynamics	
or CH_ENG 3261	Chemical Engineering Thermodynamics I	
MAE 4371	Energy Systems and Resources	3
or CH_ENG 4318	Energy Technology and Sustainability	
ECE 4030	Introduction to Nuclear Reactor Engineering	3
CHEM 4600	Introduction to Radiochemistry with Lab	3
Select one additional course from the list below:		
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	Vibration Analysis	3
or CV_ENG 4660	Vibration Analysis	
CH_ENG 2303	Harnessing the Atom in Everyday Life: Fulfill M Curie's Dream	3