Minor in Nuclear Engineering

Note: this form must be completed and submitted to one of the coordinators prior to taking any classes for minor.

Three minors are offered within the Nuclear Engineering academic curriculum to provide students the opportunity to obtain education and training in the nuclear sciences: Nuclear Engineering; Medical and Health Physics, and Radioenvironmental Sciences. Each minor requires a minimum of 15 credits of course work. As background preparation, the Nuclear Engineering minor requires math through differential equations and two semesters of calculus-based physics, and the other two minors the student has had the prerequisites of a minimum of college algebra and two semesters of college physics.

The minor in Nuclear Engineering is designed for students from Biology, Chemistry, Engineering, Physics or related disciplines who are interested in nuclear power. The minor is satisfied by selecting five courses from the following list (courses denoted with an "*" are required):

Required:		**Courses to be taken for minor (semester)**	**Grade**
Engr 2300*	Engr. Thermodynamics (3)	_____ ( )	_____
NE 4315*	Energy Systems and Resources (3)	_____ ( )	_____
NE 4346*	Introduction to Reactor Engineering (3)	_____ ( )	_____
NE 4391*	Radiation Detection and Measurement (3) (co-taught with Chem 4600)	_____ ( )	_____
Select one additional course from the list below:			
NE 2201	Applications of Nuclear Technology to Society (3)	_____ ( )	_____
NE 4303	Radiation Safety (3)	_____ ( )	_____
NE 4330	Scientific & Technological Aspects Terrorism & Counter Terrorism (3)	_____ ( )	_____
NE 4353	Introduction to Fusion (3) or	_____ ( )	_____
ECE7550	Introduction to Plasmas (3)	_____ ( )	_____

_____ _____
Print Name Signature

_____ _____
Department/Major Expected Graduation Date

Pre-Approvals: _____ _____
Tushar Ghosh Date Paul Chan Date

Final Approvals: _____ _____
Tushar Ghosh Date Paul Chan Date

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