

NUCLEAR ENGINEERING PROGRAM PLAN OF STUDY

START DATE AND DEGREE:

RESEARCH: List the last semester that you will register for research in each level.

<i>Semester/Year</i>	<i>Course Number</i>	<i>Instructor</i>	<i>Credit Hours</i>
	NSEG 5904 (MEng)		
	NSEG 5994 (MS, 9 hours max)		
	NSEG 7994 (PhD, MS > 10 hours)		

REQUIRED COURSES: Core coursework required for all levels of degree. Please note transfer courses on page 2.

<i>Semester/Year</i>	<i>Course Number</i>	<i>Course Title</i>	<i>Credit Hours</i>	<i>Final Grade</i>
	NSEG 5124	Nuclear Reactor Analysis	3	
	NSEG 5204	Nuclear Fuel Cycle	3	
	NSEG 5604	Radiation Detection and Shielding	3	
	NSEG 5424	Reactor Thermal Hydraulics		
	MSE 5384G	Advanced Nuclear Materials		
	NSEG 5134	Monte Carlo Particle Transport	3	
	NSEG 6124	Particle Transport Theory, Methods, Applications	3	
	NSEG 6334	Nuclear Reactor Safety	3	

MATH COURSES: List the courses used to meet the math/stats requirement, even if they are already listed on this plan. Master's students need 3 credit hours; PhD students need 6 credit hours.

<i>Semester/Year</i>	<i>Course Number</i>	<i>Course Title</i>	<i>Credit Hours</i>	<i>Final Grade</i>

ELECTIVES AND SUPPORTING COURSES: List any electives used to meet degree requirements and the Graduate School's (1) ethics and (2) diversity, equity, and inclusion requirements.

<i>Semester/Year</i>	<i>Course Number</i>	<i>Course Title</i>	<i>Credit Hours</i>	<i>Final Grade</i>

GRADUATE SCHOOL REQUIREMENTS

<i>Requirement</i>	<i>Course/Explanation</i>
Ethics and Plagiarism Requirement (GRAD 5014, CITI Training, Other)	
Diversity, Equity and Inclusion Requirement (ENGE 5308, Other)	

TOTALS

Research, all levels	
Required Courses and Math	
Electives and Supporting Courses	
Transfer Credit	
TOTAL HOURS ON PLAN OF STUDY	

TRANSFER COURSES: List all graduate-level courses that you plan to apply to your degree. All courses must be approved by the committee, and official transcripts must be on file with the Graduate School. Courses older than 5 years may need to be further reviewed. No more than 50% of the required credit hours for a degree may be transferred (15 hours for master's, 45 hours for PhD).

School	Semester/ Year	Course Number	Course Title	Grade	Equivalent VT Course Number/Title (if any)

ADVISORY COMMITTEE: Please list the committee members below. Signatures show approval of the plan of study and transfer coursework. Master's committees should have at least three faculty, two of whom are core faculty in NE. Doctoral committees should have a minimum of four faculty with three core faculty in NE or ME.

COMMITTEE: My signature below indicates that I have reviewed this plan of study and approve of the courses to meet the student's learning and research objectives.

_____ Student Signature	_____ Student Name	_____ VT ID#	_____ Date
_____ Chair Signature	_____ Chair Name	_____ VT ID#	_____ Date
_____ Co-Chair Signature	_____ Chair Name	_____ VT ID#	_____ Date
_____ Member Signature	_____ Member Name	_____ VT ID#	_____ Date
_____ Member Signature	_____ Member Name	_____ VT ID#	_____ Date
_____ Member Signature	_____ Member Name	_____ VT ID#	_____ Date
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