NUCLEAR ENGINEERING AND ENGINEERING PHYSICS, MS

REQUIREMENTS

MINIMUM GRADUATE SCHOOL REQUIREMENTS

Review the Graduate School minimum academic progress and degree requirements (http://guide.wisc.edu/graduate/#policiesandrequirementstext), in addition to the program requirements listed below.

MAJOR REQUIREMENTS

MODE OF INSTRUCTION

Face to Face	Evening/ Weekend	Online	Hybrid	Accelerated
Yes	No	No	No	No

Mode of Instruction Definitions

Accelerated: Accelerated programs are offered at a fast pace that condenses the time to completion. Students typically take enough credits aimed at completing the program in a year or two.

Evening/Weekend: Courses meet on the UW–Madison campus only in evenings and/or on weekends to accommodate typical business schedules. Students have the advantages of face-to-face courses with the flexibility to keep work and other life commitments.

Face-to-Face: Courses typically meet during weekdays on the UW-Madison Campus.

Hybrid: These programs combine face-to-face and online learning formats. Contact the program for more specific information.

Online: These programs are offered 100% online. Some programs may require an on-campus orientation or residency experience, but the courses will be facilitated in an online format.

CURRICULAR REQUIREMENTS

Requirement	Detail
Minimum Credit Requirement	30 credits
Minimum Residence Credit Requirement	16 credits
Minimum Graduate Coursework Requirement	15 credits must be graduate-level coursework from nuclear engineering, math, physics, chemistry, computer science, or any other engineering department except E P D. Refer to the Graduate School: Minimum Graduate Coursework (50%) Requirement policy: https://policy.wisc.edu/library/UW-1244 (https://policy.wisc.edu/library/UW-1244/).
Overall Graduate GPA Requirement	3.00 GPA required. Refer to the Graduate School: Grade Point Average (GPA) Requirement policy: https://policy.wisc.edu/library/UW-1203 (https://policy.wisc.edu/library/UW-1203/).
Other Grade Requirements	Courses in which grades of BC, C, or below are received cannot be counted toward the degree except as follows: • Credits of C will be allowed provided they are balanced by twice as many credits of A or by four times as many credits of AB, • Credits of BC will be allowed provided they are balanced by twice as many credits of AB or by an equal number of credits of A.
Assessments and Examinations	Students who complete the thesis pathway must write a thesis and defend it orally in front of a three-member committee (at least two must be members of the UW-Madison Graduate Faculty).
Language Requirements	No language requirements.

REQUIRED COURSES

The following courses, or courses with similar material content, must be taken prior to or during the course of study: N E 427 Nuclear Instrumentation Laboratory; N E 428 Nuclear Reactor Laboratory or N E 526 Laboratory Course in Plasmas; N E 408 Ionizing Radiation or N E/MED PHYS 569 Health Physics and Biological Effects.

Only one course (maximum of 3 credits) of independent study (N E 699 Advanced Independent Study, N E 999 Advanced Independent Study) is allowed (regardless of pathway selected).

Thesis Pathway [1]

Maximum of 12 credits for thesis; at least 8 additional credits of N E (http://guide.wisc.edu/courses/n_e/) courses numbered 400 or above; remaining credits (also numbered 400 or above) must be in appropriate technical areas[2]; at least 9 credits must be numbered 500 and above; and up to 3 credits can be seminar credits.

Non-Thesis Pathway [1]

At least 15 credits of N E (http://guide.wisc.edu/courses/n_e/) courses numbered 400 or above; remaining 15 credits (also numbered 400 or above) must be in appropriate technical areas[2]; at least 12 credits must be numbered 500 or above; and up to 3 credits can be seminar credits.

[1] These pathways are internal to the program and represent different curricular paths a student can follow to earn this degree. Pathway names do not appear in the Graduate School admissions application, and they will not appear on the transcript.

[2] Appropriate technical areas are: Engineering departments (except Engineering and Professional Development), Physics, Math, Statistics, Computer Science, Medical Physics, and Chemistry. Other courses may be deemed appropriate by a student's faculty advisor.