The Graduate School at The Ohio State University specifies that at least 80 total earned hours are required for a Doctoral Degree. Please complete the information below and list the courses you plan to use to fulfill your degree requirements.

- The requirements below are only minimums. Your Faculty Advisor can require additional coursework beyond the minimum.
- Students who started their degree program after Summer 2018 must earn a grade of C or better for it to be used to satisfy their program’s course requirements. While a course in which a grade of C- or lower is earned will not fulfill a MAE program requirement, the course grade will be calculated in the student’s CPHR and will appear on the student’s transcript.
- In order to count toward your degree, courses taken outside of Engineering, Natural and Mathematical Sciences, or Medicine must be approved by your advisor and the Graduate Studies Committee via a MAE program petition.
- Designate your math course with an ‘M’ in the Special Designations column.
- Include any graduate courses transferred from other institutions and identify them with a ‘T’ in Special Designations column. Ohio State’s coursework requirements must still be met, but approved transfer credits can count toward those requirements.
- Students who have not taken NE 4505 (Introduction to Nuclear Engineering) or an introductory Nuclear Engineering course at another institution are required to take NE 4505 without receiving graduate credit.

Name: ___________________________ Name.#: ___________________________

Advisor Name.#: ___________________________

### PhD Coursework Requirements (without MS)

- Core Courses (C)
- 3 NE 5000+ courses beyond the core courses
- 2 Math 5000+ courses or 1 Math course and 1 Stats course 5000+ each beyond the core courses
- Remaining hours can be NE 8999 and/or additional graduate level coursework
- NE 6881 every semester

### PhD Coursework Requirements (with MS)

- Core Courses (C)
- 2 NE 5000+ courses beyond the core courses
- 2 Math 5000+ courses or 1 Math course and 1 Stats course 5000+ each beyond the core courses
- Remaining hours can be NE 8999 and/or additional graduate level coursework
- NE 6881 every semester

### Completion Term | Subject, Course Number and Title | Special Designations | Credit Hours
---|---|---|---
(C) Math 4512 – Partial Differential Equations for Sci. and Eng. or Equivalent Course | 3
(C) NE 5606 – Radiation Protection and Shielding | 3
(C) NE 5742 – Nuclear Radiations and Their Measurements | 3
(C) NE 6536 – Nuclear Reactor Systems and Analysis | 3
(C) NE 6708 – Reactor Theory | 3
(C) NE 6725 – Nuclear Reactor Dynamics | 2
(C) NE 6726 – Reactor Dynamics Laboratory | 2
(C) NE 6766 – Nuclear Engineering Design | 2
(C) NE 7865 – Neutron Slowing Down and Thermalization | 2

N/A | NE 6881 – Nuclear Engineering Graduate Seminar
N/A | NE 8999 – Nuclear Engineering Research for Dissertation

Total Estimated Credit Hours Upon Degree Completion

Revised 7/13/2021