

The doctoral degree in Nuclear Engineering (NE) requires 42 semester hours of course work (on a letter-grade basis) beyond the bachelor's degree or its equivalent. The doctoral degree in NE also allows for a specialization in Nuclear Enterprise Management. Course grades must be C or higher to satisfy PhD degree requirements.

**Nuclear Engineering**

Major Area	24	Must be in a coherent subject area appropriate to NE/RE. If you completed a master's thesis in this area, it may count for nine semester hours toward this requirement.
Minor Area	9	Must be distinctly different from the major area. The minor is intended to provide depth in an area not directly needed for Ph.D. research or related to the principal area of expertise.
Electives	9	No restrictions.
<b>Total</b>	<b>42</b>	

All Ph.D. students must complete ME/NRE/MP 8011/8012 (Seminar). These courses are offered on a pass/fail basis and therefore do not count towards the 42 credit-hours of letter-based courses needed for the degree requirement.

ALL Woodruff School PhD students are required to complete three semester hours of Teaching Practicum (ME/NRE 7757) during the course of their doctoral studies.

## **Nuclear Engineering with Nuclear Enterprise Management specialization**

Major Area	21	Must be in a coherent subject area appropriate to NE/RE. If you completed a master's thesis in this area, it may count for nine semester hours toward this requirement.
Minor Area	9	Must be distinctly different from the major area. The minor is intended to provide depth in an area not directly need for Ph.D. research or related to the principal area of expertise.
Electives	9	Electives must be selected from the approved list of MGT and ISYE courses.
Other	3	NRE 8803 - Management of the Nuclear Enterprise <sup>1</sup>
<b>Total</b>	<b>42</b>	

<sup>1</sup> Required course per the NEM Concentration

All Ph.D. students must complete ME/NRE/MP 8011/8012 (give the course name). These courses are offered on a pass/fail basis and therefore do not count towards the 42 credit-hours of letter-based courses needed for the degree requirement.

ALL Woodruff School PhD students are required to complete three semester hours of Teaching Practicum (ME/NRE 7757) during the course of their doctoral studies.

Required course work for the Medical Physics option of the NE degree is 52 hours beyond the bachelor's degree or its equivalent. A total of 36 semester hours must be at the 6000 level or above. Up to six semester hours may be at the 4000 level. Any courses required for the B.S.M.E. or the B.S.N.R.E **do not** meet these respective course requirements. Course grades must be C or higher to satisfy PhD degree requirements.

### **Medical Physics Option in Nuclear Engineering**

Major Area	34	Must be in a coherent subject area appropriate to MP. If you completed a master's thesis in this area, it may count for nine semester hours toward this requirement.
Minor Area	9	Must be distinctly different from the major area. The minor is intended to provide depth in an area not directly needed for Ph.D. research or related to the principal area of expertise.
Electives/Other	9	May be different than the major or minor, or could be applied to the major or minor area.
<b>Total</b>	<b>52</b>	

All Ph.D. students must complete ME/NRE/MP 8011/8012 (give the course name). These courses are offered on a pass/fail basis and therefore do not count towards the 42 credit-hours of letter-based courses needed for the degree requirement.

ALL Woodruff School PhD students are required to complete three semester hours of Teaching Practicum (ME/NRE 7757) during the course of their doctoral studies.