

Curriculum Prerequisite Recommendations for NRE Graduate Programs (Effective Fall 2005)

1. For students entering the Nuclear Engineering Graduate Program the following courses or equivalent subject material are prerequisites:

ENU 4001 Nuclear Engineering Analysis I
ENU 4605 Radiation Interactions & Sources I
ENU 4103 Reactor Analysis & Computer 1 - Statics 1
EML 4140 Heat Transfer

2. For students entering the Medical Physics and Health Physics Graduate Programs the following courses or equivalent subject material are prerequisites:

Upper level physics courses in electricity and magnetism, quantum mechanics, atomic structure, statistical mechanics and mechanics, or

or,

ENU 4001 Nuclear Engineering Analysis 1
ENU 4605 Radiation Interactions & Sources I

ENU 4630 Fundamental Aspect of Radiation Shielding
or ENU 4103 Reactor Analysis & Computer 1-Statics 1

**NOTE: Candidates may be found to be exempt from the prerequisite(s) if suitable courses from previous college-level educational experience can be justified and verified in an official transcript, subject to approval by the department chairman. These are to be evaluated on a case by case basis, factored in with the strength of the record of each candidate.*