MINOR IN NUCLEAR RADILOGICAL ENGINEERING

The Nuclear & Radiological Engineering and Health Physics Program of the Woodruff School offers a certificate and a minor in Nuclear & Radiological Engineering to non-NRE engineering students. These programs provide a general knowledge of Nuclear and Radiological Engineering topics and are valuable for students considering graduate work in Nuclear Engineering or Medical Physics.

Program of Study
The NRE minor must comprise at least 15 credit hours, of which at least 12 credit hours are upper-division coursework (numbered 3000 or above).

Required Courses
NRE 3301 Radiation Physics 3
NRE 3208 Nuclear Reactor Phys I 3
NRE 3316 Radiation Protection Engineering 3
Select 6 credit hours from the following: 6
   NRE 2110 Introduction to Nuclear and Radiological Engineering
   NRE 3112 Nuclear Radiation Detection
   NRE 4208 Nuclear Reactor Physics II
   NRE 4214 Reactor Engineering
   NRE 4232 Nuclear and Radiological Engineering Design
   NRE 4234 Nuclear Criticality Safety Engineering
   NRE 4266 Light Water Reactor Technology
   NRE 4328 Radiation Sources and Applications
   NRE 4404 Radiological Assessment and Waste Management
   NRE 4610 Introduction to Plasma Physics and Fusion Engineering
   NRE 4750 Diagnostic Imaging Physics
   NRE 4770 Nuclear Chemical Engineering
Total Credit Hours 15

• All courses counting toward the minor must be taken on a letter-grade basis.
• Each course used to satisfy the course requirements for a minor must be completed with a grade of C (2.00) or better.
• A maximum of 3 credit hours of transfer credit may be used to satisfy the course requirements for a minor. This includes courses taken at another institution or credit earned through the AP or IB program, assuming the scores meet Georgia Tech minimum standards.
• It is the major advisor’s responsibility to verify that students are using only courses from the designated block(s) from the student’s major field of study that are allowed to satisfy a minor program, that they are not using any Core Area A-E courses (including humanities and social sciences), and that they are not using any courses for more than one minor or certificate. Any free elective course used to satisfy the course requirements of the student’s major degree program may also be used to satisfy the course requirements for a minor.

Minor Program of Study & Guidelines (http://www.catalog.gatech.edu/academics/minors)