

Certificate in Nuclear and Radiological Engineering

The Nuclear & Radiological Engineering Program in the Woodruff School of Mechanical Engineering offers a certificate in Nuclear & Radiological Engineering to non-NRE engineering students. This program provides a general knowledge of Nuclear and Radiological Engineering topics and is valuable for students whether you are going to graduate school or directly into the industry. The required courses for the certificate program include the following :

NRE 3301 (3 hours) Radiation Physics
NRE 3208 (3 hours) Nuclear Reactor Physics I
NRE 3316 (3 hours) Radiation Protection Engineering

Additional courses are required from the list below for a total of at least 12 credit hours for the Certificate Program.

NRE 2110 (2 hours) Introduction to Nuclear and Radiological Engineering
NRE 4208 (3 hours) Nuclear Reactor Physics II
NRE 4206 (3 hours) Radiation Physics Laboratory
NRE 4214 (3 hours) Reactor Engineering
NRE 4232 (3 hours) Nuclear Radiological Engineering Design
NRE 4234 (3 hours) Nuclear Criticality Safety Engineering
NRE 4266 (3 hours) Light Water Reactor Technology
NRE 4328 (3 hours) Radiation Sources and Applications
NRE 4335 (3 hours) Radiation Imaging
NRE 4404 (3 hours) Radiological Assessment and Waste Management
NRE 4610 (3 hours) Introduction to Plasma Physics and Fusion Engineering
NRE 4770 Nuclear Chemical Engineering, cross-listed with ChE 47xx

****All courses counting toward the certificate must be taken on a letter-grade basis and a grade of C or better.**

APPLICATION FOR CERTIFICATE IN NUCLEAR AND RADIOLOGICAL ENGINEERING

Students may apply for the certificate in Nuclear and Radiological Engineering by submitting this form to the Mechanical Engineering Office of Student Services located in the MRDC building, room 3112. Applications should be submitted by reading day of your last semester. The certificate will be mailed to you after you have completed all requirements for graduation. If you have any questions, please contact Laura Dawson via email at laura.dawson@me.gatech.edu.

Student Name (please print)

Graduation Semester (ex. Spring 2017)

Student Signature

GT ID#

Email Address

Major

Permanent Address (Street Address, City, State, Zip)

PLEASE LIST COURSES TAKEN FOR COMPLETION OF THE NUCLEAR AND
RADIOLOGICAL ENGINEERING CERTIFICATE

Course	Grade	Semester
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NRE 3301		
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NRE 3208		
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NRE 3316		
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