

# UNDERGRADUATE EMBEDDED CERTIFICATE IN NUCLEAR AND RADIOLOGICAL ENGINEERING

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The Nuclear & Radiological Engineering program in the 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 or not students are going to graduate school or directly into the industry.

For more information and how to apply, [click here](#).

## Program of Study

Code	Title	Credit Hours
<b>Required courses:</b>		
NRE 2120	Elements of Nuclear and Radiological Engineering	3
<b>Electives:</b>		<b>9</b>
NRE 2110	Introduction to Nuclear and Radiological Engineering	
NRE 4206	Radiation Physics Laboratory	
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	
<b>Total Credit Hours</b>		<b>12</b>

- All courses used toward the certificate must be completed with a grade of 'C' or higher.