Minor in Radioenvironmental Sciences

The Minor in Radioenvironmental Sciences is one of three minors offered within the Nuclear Engineering academic curriculum to provide students the opportunity to obtain education and training in the nuclear sciences. It is designed for students from Biology, Chemistry, Engineering, Physics or related discipline who are interested in the environmental aspects of radiation and radioactive materials.

The minor requires a minimum of 15 credits of course work. As background preparation, the student must have had the prerequisites of a minimum of college algebra and two semesters of college physics.

**Required courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NU_ENG 4303</td>
<td>Radiation Safety</td>
<td>3</td>
</tr>
<tr>
<td>NU_ENG 4328</td>
<td>Introductory Radiation Biology</td>
<td>3</td>
</tr>
<tr>
<td>NU_ENG 4391</td>
<td>Nuclear Radiation Detection</td>
<td>3</td>
</tr>
<tr>
<td>or CHEM 4600</td>
<td>Introduction to Radiochemistry with Lab</td>
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</tbody>
</table>

**Select two additional courses from the list below:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>NU_ENG 2201</td>
<td>Topics in Nuclear Engineering</td>
<td>3</td>
</tr>
<tr>
<td>NU_ENG 4330</td>
<td>Science and Technology of Terrorism and Counter Terrorism</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 3300</td>
<td>Fundamentals of Physical Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 4280</td>
<td>Environmental Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CV_ENG 3200</td>
<td>Fundamentals of Environmental Engineering</td>
<td>4</td>
</tr>
<tr>
<td>CV_ENG 4220</td>
<td>Hazardous Waste Management</td>
<td>3</td>
</tr>
<tr>
<td>CV_ENG 4250</td>
<td>Environmental Regulatory Compliance</td>
<td>3</td>
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