Minor in Nuclear Engineering

Note: this form must be completed and submitted to one of the coordinators prior to taking any classes for minor.

Three minors are offered within the Nuclear Engineering academic curriculum to provide students the opportunity to obtain education and training in the nuclear sciences: Nuclear Engineering; Medical and Health Physics, and Radioenvironmental Sciences. Each minor requires a minimum of 15 credits of course work. As background preparation, the Nuclear Engineering minor requires math through differential equations and two semesters of calculus-based physics, and the other two minors the student has had the prerequisites of a minimum of college algebra and two semesters of college physics.

The minor in Nuclear Engineering is designed for students from Biology, Chemistry, Engineering, Physics or related disciplines who are interested in nuclear power. The minor is satisfied by selecting five courses from the following list (courses denoted with an "*" are required):

<table>
<thead>
<tr>
<th>Required:</th>
<th>Courses to be taken for minor (semester)</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engr 2300* Engr. Thermodynamics (3)</td>
<td>________ (  ) ________</td>
<td></td>
</tr>
<tr>
<td>NE 4315* Energy Systems and Resources (3)</td>
<td>________ (  ) ________</td>
<td></td>
</tr>
<tr>
<td>NE 4346* Introduction to Reactor Engineering (3)</td>
<td>________ (  ) ________</td>
<td></td>
</tr>
<tr>
<td>NE 4391* Radiation Detection and Measurement (3) (co-taught with Chem 4600)</td>
<td>________ (  ) ________</td>
<td></td>
</tr>
</tbody>
</table>

Select one additional course from the list below:

| NE 2201 Applications of Nuclear Technology to Society (3) | ________ (  ) ________ |       |
| NE 4303 Radiation Safety (3)                          | ________ (  ) ________ |       |
| NE 4330 Scientific & Technological Aspects Terrorism & Counter Terrorism (3) | ________ (  ) ________ |       |
| NE 4353 Introduction to Fusion (3) or ECE7550 Introduction to Plasmas (3) | ________ (  ) ________ |       |

Print Name ___________________________ Signature ___________________________

Department/Major ___________________________ Expected Graduation Date ___________________________

Pre-Approvals: ___________________________ Date ___________________________

Final Approvals: ___________________________ Date ___________________________

Tushar Ghosh Date Paul Chan Date

Professor
Nuclear Science and Engineering Institute
E2433 Lafferre Hall
GhoshT@missouri.edu
573-882-9736 (Voice)
573-884-4801 (Fax)
NE Web Site: http://nsei.missouri.edu

Tushar Ghosh Date Paul Chan Date

Associate Professor
Chemical Engineering
W2029 Lafferre Hall
ChanP@missouri.edu
573-882-7684 (Voice)
573-884-4940 (Fax)
ChE Web Site: http://www.missouri.edu/~chewww/