Doctoral students in engineering, nursing, veterinary medicine, and other disciplines can declare a focus in Clinical and Translational Science (https://ictr.wiscweb.wisc.edu/documents/gpci-minor-declaration-form) by earning the doctoral minor in Clinical Investigation to learn about applications of research to clinical disciplines. The minor provides students with foundational training in interdisciplinary clinical research, while emphasizing a scientific area of graduate study.

Students should be aware that:

• No course that counts for the major can also count for the minor.

Frequently this means that students have to take two ethics courses—one for the major and one for the minor. The point of the minor focus is to add breadth to the student's coursework.

Important Note: For students who are funded by the TL1 Predoctoral Training Program, the minor requires additional training as described on the TL1 website (https://ictr.wisc.edu/career-development-awards-2).

**REQUIREMENTS**

The minor requires 10 credits, including three required courses and a fourth elective required course. Note: For students who are funded by the TL1 Predoctoral Training Program, the minor requires additional training as described on the TL1 website (https://ictr.wisc.edu/career-development-awards-2).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B M I/STAT 541 or B M I 699</td>
<td>Introduction to Biostatistics ¹</td>
<td>1-3</td>
</tr>
<tr>
<td>B M I/STAT 542</td>
<td>Introduction to Clinical Trials I</td>
<td>3</td>
</tr>
<tr>
<td>One lecture course in the Responsible (Ethical) Conduct of Research selected from the following list or an equivalent course approved by the Executive Committee:</td>
<td>1-2</td>
<td></td>
</tr>
<tr>
<td>MED HIST 545</td>
<td>Ethical and Regulatory Issues in Clinical Investigation</td>
<td></td>
</tr>
<tr>
<td>PHARMACY 800</td>
<td>Research Ethics: Scientific Integrity and the Responsible Conduct of Research</td>
<td></td>
</tr>
<tr>
<td>SURG SCI 812</td>
<td>Research Ethics and Career Development</td>
<td></td>
</tr>
<tr>
<td>OBS&amp;GYN 955</td>
<td>Responsible Conduct of Research for Biomedical Graduate Students</td>
<td></td>
</tr>
<tr>
<td>NURSING 802</td>
<td>Ethics and the Responsible Conduct of Research</td>
<td></td>
</tr>
<tr>
<td>ONCOLOGY 675</td>
<td>Advanced or Special Topics in Cancer Research</td>
<td></td>
</tr>
</tbody>
</table>

¹ The 1-credit B M I 699 Independent Study is a companion course to B M I/STAT 541 for students with prior approval who have taken equivalent coursework to B M I/STAT 541 in the past.

**Elective Courses**

Select from the following to reach 10 credits:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURSING/ MEDICINE/ POP HLTH 705</td>
<td>Seminar in Interdisciplinary Clinical Research Evidence</td>
<td>2</td>
</tr>
</tbody>
</table>

**PEOPLE**

Students earning a doctoral degree in related science, with a focus on Clinical and Translational Science (PhD<sup>CTS</sup>) have several faculty mentors to choose from, including but not limited to faculty in the Graduate Program in Clinical Investigation. Please peruse the faculty and their research here (https://ictr.wisc.edu/graduate-program-in-clinical-investigation).