The Capstone Certificate in the Fundamentals of Clinical Research (https://ictr.wisc.edu/certificate-research-programs/) is offered through the UW–Madison Institute for Clinical and Translational Research (UW ICTR) (https://ictr.wisc.edu/), part of a national consortium of patient care and research institutes funded by the National Institutes of Health (NIH) Clinical and Translational Science Awards (https://ncats.nih.gov/ctsa/about/). The certificate allows students to understand and practice evidence-based research to help tackle the world’s complex research questions—such as those in therapeutics, diagnostics, and preventative health care—and bring solutions to patients. Courses are taught by UW–Madison faculty in population health sciences, biostatistics, veterinary surgical sciences, oncology, and medical history and bioethics.

The Fundamentals of Clinical Research Capstone Certificate provides formal training and a practicum in research design and statistical analysis for professionals in health care, biotechnology, and the pharmaceutical industry. The certificate program is completed on average in just under two years. Designed for the working professional, courses are offered after 4 p.m.

Further detail, including current tuition and cost, is available at the program website (https://ictr.wisc.edu/certificate-research-programs/).

Deidre Vincevineus, Student Services Coordinator
Certificate in the Fundamentals of Clinical Research
UW–Madison
2112 Health Sciences Learning Center
Madison, Wisconsin 53705
studentinquiry@ictr.wisc.edu (http://guide.wisc.edumailtto:studentinquiry@ictr.wisc.edu)

HOW TO GET IN

The capstone program is for health professionals or health program managers who do not have an existing student relationship with the University.

Students do not need to be seeking a degree to earn the Capstone Certificate in the Fundamentals of Clinical Research.

Applicants must have at least a bachelor’s degree, as the required courses are graduate level.

The application is free, relatively brief, and online. Through the online application process, the university will determine whether the applicant is a Wisconsin resident or a non-Wisconsin resident for tuition purposes.

Submit your application to the Fundamentals of Clinical Research Certificate Program (UNCS453) (https://accss.wisc.edu/apply/) through the Division of Continuing Studies.

Once admitted, you will receive a formal letter of admission. The letter will contain course enrollment instructions and information about tuition and registration deadlines.

For more information, please contact program manager Deidre Vincevineus at student inquiry@ictr. (studentinquiry@ictr.wisc.edu)wisc.edu (Rec-Education@hslc.wisc.edu)

REQUIREMENTS

- Must have a minimum GPA of 3.000 during the program to remain in good standing
- Additional option for ethical conduct of research may be available for new faculty or team-leading independently funded researchers
- Students complete 13–17 graduate-level credits.

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>B M I/STAT 541</td>
<td>Introduction to Biostatistics</td>
<td>3-6</td>
</tr>
<tr>
<td>B M I/POP HLTH 551 &amp; B M I/POP HLTH 552</td>
<td>Introduction to Biostatistics for Population Health and Regression Methods for Population Health</td>
<td>3</td>
</tr>
<tr>
<td>B M I 699</td>
<td>Independent Study ¹</td>
<td>1</td>
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</table>

Other Required Courses

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>B M I/STAT 542</td>
<td>Introduction to Clinical Trials I</td>
<td>3</td>
</tr>
<tr>
<td>B M I 544</td>
<td>Introduction to Clinical Trials II</td>
<td>3</td>
</tr>
<tr>
<td>POP HLTH/SOC 797</td>
<td>Introduction to Epidemiology</td>
<td>3</td>
</tr>
</tbody>
</table>

One lecture course in ethical conduct of research selected from the following list of courses:

- SURG SCI 812 Research Ethics and Career Development
- NURSING 802 Ethics and the Responsible Conduct of Research
- ONCOLOGY 715 Ethics in Science
- PHARMACY 800 Research Ethics: Scientific Integrity and the Responsible Conduct of Research
- OBS&GYN 955 Responsible Conduct of Research for Biomedical Graduate Students
- BIOCHEM 729 Advanced Topics (Topic: Responsible Conduct of Research)

Total Credits ¹

1 The 1-credit B M I 699 is for students with instructor consent who have prior statistics (not biostatistics) coursework. Students who take this option must also complete an additional 2 credits of FAM MED 701 or POP HLTH-MEDICINE/NURSING 705.

LEARNING OUTCOMES

1. Determine when it is appropriate to use a patient-oriented research design to investigate a translational clinical problem.
2. Understand the principles of clinical research design and statistical analysis.
3. Understand the principles of multidisciplinary patient-oriented clinical research protocols.
4. Apply and foster professional, ethical and responsible conduct of clinical research.