CLINICAL INVESTIGATION, DOCTORAL MINOR

Doctoral students in engineering, nursing, veterinary medicine, and other disciplines can declare a focus in Clinical and Translational Science (https://ictr.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 (or 13 credits for students who choose the 6-credit B M I/POP HLTH 551/B M I/POP HLTH 552 sequence), 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/).

Code	Title	Credits
Required Courses		
A graduate entry level biostatistics course. Possible course selections include: [1]		1-6
B M I/STAT 541	Introduction to Biostatistics	
B M I 699	Independent Study	
B M I/ POP HLTH 551 & B M I/ POP HLTH 552	Introduction to Biostatistics for Population Health and Regression Methods for Population Health	
B M I/STAT 542	Introduction to Clinical Trials I	
One lecture course in ethical conduct of research selected from the following list or an equivalent course approved by the executive committee:		1-2
MED PHYS 701	Ethics and the responsible conduct of research and practice of Medical Physics	
ONCOLOGY 715	Ethics in Science	
BIOCHEM 729	Advanced Topics (Topic: Responsible Conduct of Research)	
PHARMACY 800	Research Ethics: Scientific Integrity and the Responsible Conduct of Research	
NURSING 802	Ethics and the Responsible Conduct of Research	
SURG SCI 812	Research Ethics and Career Development	
OBS&GYN 955	Responsible Conduct of Research for Biomedical Graduate Students	
OBS&GYN 956	Advanced Responsible Conduct of Research for Biomedical Students	
Elective Courses		
Select from the following to reach 10 credits (or 13 credits for students who choose the 6-credit POP HLTH/ B M I 551/552 sequence):		
NURSING/ MEDICINE/ POP HLTH 705	Seminar in Interdisciplinary Clinical Research Evidence	2
POP HLTH/SOC 797	Introduction to Epidemiology	3
B M I 544	Introduction to Clinical Trials II	3

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The 1-credit B M I 699 is for students with instructor consent who have prior statistics (no biostatistics coursework). Students who take this option must also complete 2 credits of POP HLTH/MEDICINE/ NURSING 705 Seminar in Interdisciplinary Clinical Research Evidence or another biostatistics course chosen in consultation with the program faculty director.

PEOPLE

Students earning a doctoral degree in related science, with a focus on Clinical and Translational Science (PhD^{CTS}) 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/).