

# CLINICAL INVESTIGATION, PH.D.

## REQUIREMENTS

### MINIMUM GRADUATE SCHOOL REQUIREMENTS

Review the Graduate School minimum academic progress and degree requirements (<http://guide.wisc.edu/graduate/#policiesandrequirements>), in addition to the program requirements listed below.

### MAJOR REQUIREMENTS

#### MODE OF INSTRUCTION

Face to Face	Evening/ Weekend	Online	Hybrid	Accelerated
Yes	Yes	No	Yes	Yes

#### Mode of Instruction Definitions

**Accelerated:** Accelerated programs are offered at a fast pace that condenses the time to completion. Students are able to complete a program with minimal disruptions to careers and other commitments.

**Evening/Weekend:** Courses meet on the UW–Madison campus only in evenings and/or on weekends to accommodate typical business schedules. Students have the advantages of face-to-face courses with the flexibility to keep work and other life commitments.

**Face-to-Face:** Courses typically meet during weekdays on the UW-Madison Campus.

**Hybrid:** These programs combine face-to-face and online learning formats. Contact the program for more specific information.

**Online:** These programs are offered 100% online. Some programs may require an on-campus orientation or residency experience, but the courses will be facilitated in an online format.

### CURRICULAR REQUIREMENTS

#### Requirements Detail

Minimum Credit Requirement 51 credits

Minimum Residence Credit Requirement 32 credits

Minimum Graduate Coursework Requirement Half of degree coursework (26 credits out of 51 total credits) must be completed graduate-level coursework; courses with the Graduate Level Coursework attribute are identified and searchable in the university's Course Guide.

Overall Graduate GPA Requirement 3.00 GPA required.

Other Grade Requirements Students must earn a B or above in all core curriculum Requirements coursework.

Assessments and Examinations Oral preliminary exam required. Defense of Ph.D. dissertation required. The dissertation is submitted in writing to the degree committee two weeks prior to the defense date, and then defended verbally during the defense meeting.

Language Requirements No language requirements.

Doctoral Minor/Breadth Requirements Doctoral students in Clinical Investigation are not required to complete a doctoral minor. Breadth is achieved in other areas of the curriculum.

### REQUIRED COURSES

Code	Title	Credits
POP HLTH/SOC 797	Introduction to Epidemiology	3
NURSING/MEDICINE/POP HLTH 705	Seminar in Interdisciplinary Clinical Research Evidence	2
FAM MED 701	Perspectives in Multidisciplinary Clinical & Translational Research	2
B M I 773	Clinical Research Informatics	3
CS&D 900	Seminar-Speech Science (Topic: Research Career Development Seminar on Grant Writing)	2-3
B M I/STAT 542	Introduction to Clinical Trials I	3
B M I 544	Introduction to Clinical Trials II	3
A graduate entry level biostatistics course. Students select one of the following:		1-6
B M I/STAT 541	Introduction to Biostatistics	
B M I 699	Independent Study (Topic: Introduction to Biostatistics) <sup>1</sup>	
B M I/POP HLTH 551 & B M I/POP HLTH 552	Introduction to Biostatistics for Population Health and Regression Methods for Population Health <sup>2</sup>	
An intermediate statistics/research methods course. Possible course selections include:		3
COUN PSY/CURRIC/ED POL/ED PSYCH/ELPA/RP & SE 719	Introduction to Qualitative Research	
ED PSYCH 760	Statistical Methods Applied to Education I	
NURSING 804	Advanced Qualitative Design and Methods	
SOC/C&E SOC 360	Statistics for Sociologists I	
Advanced statistics or analytical methods courses. Students are encouraged to consult the program administrator about their options, such as:		6
POP HLTH/B M I 552	Regression Methods for Population Health	
SOC/C&E SOC 360	Statistics for Sociologists I	
SOC/C&E SOC 361	Statistics for Sociologists II	

STAT/F&W ECOL/ Statistical Methods for Bioscience II  
HORT 572

One lecture course in the Responsible (Ethical) Conduct of Research selected from the following list or an equivalent course approved by the Executive Committee: 1-2

ONCOLOGY 715	Ethics in Science
BIOCHEM 729	Advanced Topics (Topic: Responsible (Ethical) Conduct of Research)
PHARMACY 800	Research Ethics: Scientific Integrity 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
NURSING 802	Ethics and the Responsible Conduct of Research

A noncredit regulatory experience activity: Students attend PHARMACY 800, sign a confidentiality agreement, review a protocol submitted to an Institutional Review Board, and attend an IRB meeting (supervised). This activity is also known as the RCR Laboratory.

Research credits (and possible electives)

**Total Credits** 51

<sup>1</sup> 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 an additional 2 credits of PHM PRAC 490 or FAM MED 701; or POP HLTH/MEDICINE/ NURSING 705.

<sup>2</sup> Students who complete this 6-credit sequence are required to take fewer research credits to compensate.