

CLINICAL INVESTIGATION, MS

REQUIREMENTS

MINIMUM GRADUATE SCHOOL REQUIREMENTS

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

MAJOR REQUIREMENTS

MODE OF INSTRUCTION

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

Mode of Instruction Definitions

Accelerated: Accelerated programs are offered at a fast pace that condenses the time to completion. Students typically take enough credits aimed at completing the program in a year or two.

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

Requirement	Detail
Minimum Credit Requirement	30 credits
Minimum Residence Credit Requirement	16 credits
Minimum Graduate Coursework Requirement	15 credits must be graduate-level coursework. Refer to the Graduate School: Minimum Graduate Coursework (50%) Requirement policy: https://policy.wisc.edu/library/UW-1244 (https://policy.wisc.edu/library/UW-1244/).
Overall Graduate GPA Requirement	3.00 GPA required. Refer to the Graduate School: Grade Point Average (GPA) Requirement policy: https://policy.wisc.edu/library/UW-1203 (https://policy.wisc.edu/library/UW-1203/).

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

Assessments and Examinations Defense of MS thesis required. The thesis is submitted in writing to the degree committee two weeks prior to the defense date; the thesis is defended verbally during the defense meeting.

Language Requirements No language requirements.

REQUIRED COURSES

Code	Title	Credits
Core Requirement		
Students must complete the following courses.		
B M I/STAT 542	Introduction to Clinical Trials I	3
POP HLTH/SOC 797	Introduction to Epidemiology	3
NURSING/MEDICINE/POP HLTH 705	Seminar in Interdisciplinary Clinical Research Evidence	2-3
H ONCOL 750	Multi-disciplinary Patient-Oriented Research Presentation Skills Seminar	1

Biostatistics Requirement

To fulfill this requirement, students must complete one of the following courses or sequence: 3-8

B M I/STAT 541 Introduction to Biostatistics

B M I/POP HLTH 551 Introduction to Biostatistics for Population Health and Regression Methods for POP HLTH 552 Population Health¹

B M I 699 Independent Study²

Clinical Translational Science Requirement

To fulfill this requirement, students must complete 3 credits from one of the following courses: 3

B M I 544 Introduction to Clinical and Healthcare Research II

B M I 773 Clinical Research Informatics

POP HLTH 709 Translational and Outcomes Research in Health and Health Care

Research Design Requirement

To fulfill this requirement, students must complete 3 credits of a clinical and translational science, biostatistics, or methods course. Program administrator approval required for alternative courses and must be graduate level ("Grad 50%" attribute). Examples of courses include the following: 3

SOC/C&E SOC 361 Statistics for Sociologists II

B M I/POP HLTH 552 Regression Methods for Population Health

B M I/COMP SCI 567 Biomedical Image Analysis

B M I/POP HLTH 651 Advanced Regression Methods for Population Health

B M I/STAT 741 Survival Analysis Theory and Methods

B M I/ COMP SCI 771	Learning Based Methods for Computer Vision	
B M I/ COMP SCI 775	Computational Network Biology	
B M I/COMP SCI/ PSYCH 841	Computational Cognitive Science	
NURSING 804	Qualitative Design and Methods	
CURRIC/ COUN PSY/ ED POL/ ED PSYCH/ELPA/ RP & SE 719	Introduction to Qualitative Research	
ED PSYCH 761	Statistical Methods Applied to Education II	
ED PSYCH 771	Test Construction	
Responsible Conduct of Research Requirement		
To fulfill this requirement, students must complete one of the following courses:		1-2
MED PHYS 701	Ethics and the responsible conduct of research and practice of Medical Physics	
ONCOLOGY 715	Ethics in Science	
PHARMACY 800	Research Ethics: Scientific Integrity and the Responsible Conduct of Research	
NURSING 802	Ethics and the Responsible Conduct of Research	
COMP BIO/PATH- BIO 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	
Research or Electives		
To satisfy the minimum credit requirement, students complete additional courses or research credits (e.g., MED 990)		5-11
Total Credits		30

¹ Students who complete this 8-credit sequence are required to take fewer research credits to compensate.

² The 1-credit B M I 699 Independent Study is for students with instructor consent who have prior statistics (no biostatistics coursework). Students who take this option must also complete 2 credits of another biostatistics course chosen in consultation with the program faculty director.