Doctoral or professional program students in engineering, nursing, veterinary medicine, and other disciplines may want to minor in clinical investigation as a way to learn about applications of science to clinical disciplines. A doctoral minor in clinical investigation provides students with a focus on interdisciplinary clinical and translational research while they pursue a related scientific area of graduate study.

**REQUIREMENTS**

Minor curriculum. The doctoral minor in clinical investigation requires 10 credits. The list of requirements follows.

**Doctoral minor students should be aware of two policies:**

1. Students with permission to take the 1-credit required biostats course, who then take ethics and electives courses for the low end of possible credits might have to take another elective course, because 10 credits minimum are required for the minor.
2. No course that counts for the major can also count for the minor. Frequently this means that students must take two ethics courses—one for the major and one for the minor.

**Courses**

- **B M I/STAT 541 Introduction to Biostatistics** (3 credits) or **B M I 699 Independent Study** (1 credit). Both courses require instructor consent. The 1-credit B M I 699 Independent Study is for students who have prior statistics (not biostatistics) coursework.
- **B M I/STAT 542 Introduction to Clinical Trials I** (3 credits, spring). Course emphasis is on clinical trials study design. **B M I/STAT 541 Introduction to Biostatistics** (or equivalent) is a prerequisite.
- One lecture course in responsible (ethical) conduct of research (1–2 credits) selected from the following list or an equivalent course approved by the executive committee:
  - **MED HIST 545 Ethical and Regulatory Issues in Clinical Investigation** (1 credit, summer)
  - **PHARMACY 800 Research Ethics: Scientific Integrity and the Responsible Conduct of Research** (2 credits, alternate falls, 2018, 2020, etc.)
  - **SURG SCI 812 Research Ethics and Career Development** (2 credits, fall)
  - **OBS&GYN 955 Responsible Conduct of Research for Biomedical Graduate Students** (2 credits, fall)
  - **NURSING 802 Ethics and the Responsible Conduct of Research** (1 credit, spring)
  - **ONCOLOGY 675 Advanced or Special Topics in Cancer Research** (listed as Advanced or Special Topics, 1 credit, spring)
- **Elective courses** to reach at least 10 credits total from the GPCI curriculum, selected from the following list of options:
  - **NURSING/MEDICINE/POP HLTH 705 Seminar in Interdisciplinary Clinical Research Evidence** (2 credits, summer)
  - **FAM MED 701 Perspectives in Multidisciplinary Clinical & Translational Research** (2 credits, fall). An overview of clinical investigation and translational research.
  - **POP HLTH/SOC 797 Introduction to Epidemiology** (3 credits, fall)
  - **B M I 544 Introduction to Clinical Trials II** (3 credits, fall). Course emphasis is on clinical trial implementation and management, regulatory requirements, and data collection and management strategies. **B M I/STAT 541 Introduction to Biostatistics** (or equivalent), **B M I/STAT 542 Introduction to Clinical Trials I**, and instructor consent are prerequisites.

**Procedure to declare the minor in clinical investigation.** After discussion with the major faculty advisor, the student completes and submits the Intent to Complete a Ph.D. Minor in Clinical Investigation form. The form specifies the proposed courses proposed to meet the minor requirements, the timetable for taking the courses, and a signature by the student’s advisor. Clinical Investigation is an External (Option A) minor.

**ADMISSIONS**

Admissions: Sally Wedde, Graduate Program in Clinical Investigation (reeducation@hslc.wisc.edu)

**PEOPLE**

Faculty: Professors Eide (chair), Eisenstein, Smith; Associate Professor Yen