

CLINICAL RESEARCH



The Clinical Research MS program at the University of Minnesota School of Public Health trains the next generation of clinical and translational researchers and principal investigators who will advance our understanding of diseases and their outcomes, and contribute to the development and evaluation of new therapies for patients.

The program provides rich learning and career development for physician scientists and biomedical researchers.

We also offer a certificate program for research coordinators, project managers and health professionals who want to learn how to implement and manage studies.

PROGRAM OVERVIEW

The MS program offers Plan A and Plan B options. Plan B can be completed online. A certificate program is also available. Courses focus on clinical research, epidemiology, biostatistics, clinical trials, and ethics.

PLAN A, 38 CREDITS

Plan A: 25 required credits, 3 elective credits, and 10 thesis credits. Students are encouraged to write their thesis as a manuscript to be submitted for publication. The thesis must include design, implementation, and analysis of a clinical research project.

PLAN B, 38 CREDITS (MAY BE COMPLETED ONLINE)

Plan B offers greater flexibility in choice of courses (7-11 elective credits) and course availability (all coursework is offered online). Plan B has a capstone project (6-10 credits) designed by the student. Projects could include a thesis as in Plan A or a grant at the level of the NIH R21, K-series or R01.

CERTIFICATE, 16 CREDITS

The certificate program in clinical research is designed for research coordinators, clinical research project managers, and other health professionals who want to learn how to implement and manage clinical research studies.

The program includes 16 credits and most courses can be completed online. We welcome full-time and part-time students. Certificate credits may transfer into the MS for eligible applicants.

ADVANTAGES OF THE PROGRAM

Career and impact focused. The MS program provides career development for physician-scientists, clinical scholars, and biomedical researchers. The certificate provides training for research coordinators and project managers.

Integrated Health Sciences. The U of M's infrastructure of six health sciences schools, gives students the ability to learn from and work with a diverse array of health experts.

Exposure. Fellow students hold advanced doctoral-level degrees, embedding a rich network of colleagues that span health specializations and industries.

Flexible curriculum. Students tailor the program with courses that fit their training needs. Many courses are offered online.

CAREERS

The field of clinical research is expanding, driven by changing disease patterns and emerging therapeutic approaches from the laboratory, clinical and population sciences. There are growing concerns about the quality and safety of research in humans, and there are increasing regulations by the U.S. Food and Drug Administration. The result is an increasing demand for individuals trained in clinical research design and implementation.

The need and demand reaches beyond Minnesota. The epidemiologic transition, which posits increasing numbers of chronic diseases throughout the developing world, expands the need for testing innovative therapies.

The Certificate program prepares students to:

- **Understand different study design approaches**
- **Review and Critique the literature** in the field
- **Understand research** study implementation, data collection and quality control
- **Understand good clinical practice** in research studies
- Understand the factors associated with **ethical conduct of research**
- **Understand statistical approaches** to analyze clinical research data
- **Understand the role of the FDA, industry and the NIH in clinical research**

In addition to the skills gained through the certificate, the MS program prepares students to:

- **Conduct patient-oriented research**, directly interacting with human subjects to better understand disease, therapeutic interventions, clinical trials and more
- **Conduct epidemiologic and behavioral studies**
- **Understand outcomes** and the conduct of outcomes-based research
- **Learn grant writing skills**

ADMISSIONS

APPLICATION REQUIREMENTS

- Official transcripts
- Resume or curriculum vitae (CV)
- 3 letters of recommendation (1 for certificate applicants)
- Statement of purpose and objectives

PREREQUISITES

Applicants to the MS program must have an advanced health professional degree (MD, DDS, DVM etc.) or any other advanced doctoral degree in a clinical biomedical field from an accredited college or university. Applicants with advanced nursing degrees (MS or MSN) will also be considered.

MS applicants must have the support of a University of Minnesota faculty member willing to mentor them through the program prior to applying to the degree. We are unable to assist students with securing a mentor but, if you have connections with another University you may be able to work with a faculty member from that institution to complete the degree.

Certificate applicants must have a bachelor's degree and have at least two years of relevant clinical experience or research experience. The certificate program also accepts students enrolled in other Masters programs such as MPH or in doctoral degrees. A GPA of 3.0 or better is preferred.

We welcome full-time and part-time students.

APPLICATION DEADLINE

Fall Term deadline: **July 15**

Spring Term deadline: **November 1**

Summer Term deadline: **April 1**

© 2018 The University of Minnesota is an equal opportunity educator and employer.
Printed on recycled and recyclable paper with at least 10 percent postconsumer waste material. This material is available in alternative formats upon request: 612-626-8802.

FOR MORE INFORMATION:
SPH.UMN.EDU

Student and Academic Support Services
Division of Epidemiology & Community Health
Email: epichstu@umn.edu



SCHOOL OF
PUBLIC HEALTH
UNIVERSITY OF MINNESOTA