



Twin Cities Campus

Medicinal Chemistry Minor

Graduate Studies in Medicinal Chemistry

College of Pharmacy

Link to a [list of faculty](#) for this program.

Contact Information:

Department of Medicinal Chemistry, 8-101 Weaver-Densford Hall, 308 Harvard Street S.E., Minneapolis, MN 55455 (612-624-9919; fax: 612-624-0139)

Email: medchem@umn.edu

Website: <http://www.pharmacy.umn.edu/medchem/home.html>

- Program Type: Graduate minor related to major
- Requirements for this program are current for Spring 2018
- Length of program in credits (Doctorate): 12
- This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the [General Information](#) section of the catalog website for requirements that apply to all major fields.

The program in medicinal chemistry emphasizes the application of chemical principles to research on the action of drugs on biological systems. Courses offered by the program focus on general principles of medicinal chemistry, drug design and synthesis, chemical aspects of drug metabolism, chemical mechanisms of drug toxicity and carcinogenicity, computer-assisted drug design and receptor modeling, and combinatorial chemistry.

Program Delivery

This program is available:

- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission

For an online application or for more information about graduate education admissions, see the [General Information](#) section of the catalog website.

Program Requirements

Use of 4xxx courses toward program requirements is permitted under certain conditions with adviser approval.

A minimum of 12 credits in a focused area (which may include biochem or chem credits taken as required for the major program) is required for the doctoral minor, including introductory courses (MEDC 8001 and 8002), advanced medicinal chemistry courses, and other courses in the medicinal chemistry core curriculum.