

Medicinal Chemistry Combined BS/MS Program

Five Year BS/MS Program in Medicinal Chemistry

Required Courses (Major)

- One General Chemistry sequence chosen from the following:

General Chemistry	(CHE101-102)
Chemistry: Principles and Applications (recommended)	(CHE105-106)
General Chemistry for Engineers	(CHE107-108)
- One Organic sequence chosen from the following:

Organic Chemistry	(CHE201-202)
Contemporary Organic Chemistry	(CHE2510252)
- The following Chemistry and Medicinal Chemistry Courses:

Biochemical Principles	(BCH403)
Physical Chemistry for Life Sciences	(CHE349)
Physical Chemistry for Life Sciences Laboratory	(CHE350)
Undergraduate Research (<i>7 credits minimum</i>)	(MCH408)
Instrumental Analysis	(CHE413)
Synthetic Organic Chemistry	(CHE455)
Molecular Structure & Reaction Mechanisms	(MCH501)
Synthetic Organic Chemistry	(CHE502)
Mechanisms of Drug Action	(MCH524)
Graduate Research (<i>20 credits</i>)	(MCH615-616)
Seminar	(MCH622)
Thesis Guidance	(MCH700)
- Science Electives (*10 credits*)

Required Courses Outside the Major

- Evolutionary & Cell Biology (BIO200-201)
- General Physics (PHY107-108-158)
- Calculus (MTH141-142)

Course requirements may change. See your advisor for the most up-to-date information on your program of study.