

**Division of Medicinal Chemistry and Pharmacognosy  
College of Pharmacy, The Ohio State University**

**Synthetic Medchem Track  
Graduate Course Requirements**

**Students in the Synthetic Medchem Track are required to complete the course requirements in biochemistry, organic chemistry, and medicinal chemistry**

**Biochemistry**                      Ph 6010, Ph 6020 (Biopharmacy I and II)

**Organic Chemistry**              Chem 5420 (Spectroscopy of Organic Compounds)  
Chem 6410 (Basic Organic Reaction Mechanisms)  
Chem 6420 (Stereochem. and Conformational Analysis)  
Chem 6430 (Introduction to Organic Synthesis)

**Medicinal Chemistry**          Ph 7350 (Drug Discovery and Drug Design)  
Ph 7370 (Advanced Pharmaceutical Analysis)  
Ph 7891 (Chromatographic Methods)

***One Organic Chemistry elective from the following:***

Chem 6440, 7430, 7450, 7460, 7480

***Two Medicinal Chemistry electives from the following:***

Ph 7892, 7893, 8000, 8350, 8360, 8370, 8380, 8390, 8510

**Note:** The courses listed above are in addition to the course requirements common to all graduate students in the Division of Medicinal Chemistry and Pharmacognosy, namely Ph 8520 (Research Ethics) and Ph 8880/8881 (College and Division Seminars). One enrollment in 8880 or 8881 is required per semester while on campus (with three 8880.01 or 8881.01 enrollments prior to graduation).