

**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 requirement in biochemistry, organic chemistry and medicinal chemistry**

**Biochemistry** – 661.01, 661.02 or 613, 614 and 615

**Organic Chemistry** - Ph 632 - Physical Methods in organic chemistry  
(spectroscopy)

Chemistry 730 - Advanced organic chemistry

Chemistry 832 - Advanced organic chemistry

Chemistry 833 - Advanced organic chemistry

If students' interest is in molecular modeling, Chemistry 832 and 833 can be substituted with 2 other courses such as Chemistry 944, Chemoinformatic or Bioinformatics course (IBGP730)

**Medicinal Chemistry**

- Ph 789 - Isolation Technique in research

- Ph 735 - Drug Discovery and Drug design

**Two electives from the following**

- Ph 835 - Advanced Medicinal Chemistry

- Ph 836 - Advanced Medicinal Chemistry

- Ph 837 - Advanced Medicinal Chemistry

- Ph 851 - Advanced Pharmacognosy