

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

**Biochemical Track Graduate Course Requirements**

**Biochemistry**

PHR 8320 – Biomedical Chemistry for Graduate Students (5 credits)

**Medicinal Chemistry**

PHR 7350 - Drug Discovery and Design (2 credits)

One of the following:

PHR 7891 - Chromatographic Methods (2 credits)

PHR 7893 - Phytochemical Analysis of Natural Products (2 credits)

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

PHR 7891 - Chromatographic Methods (2 credits)

PHR 7893 - Phytochemical Analysis of Natural Products (2 credits)

PHR 8350 - Advanced Medicinal Chemistry I (2 credits)

PHR 8360 - Advanced Medicinal Chemistry II (2 credits)

PHR 8370 - Chemotherapy of Infectious Diseases (2 credits)

PHR 8510 - Advanced Pharmacognosy (2 credits)

**Four Chemistry/Biochemistry/Molecular Biology electives (6000 level or above)**

CHEM 6410 - Basic Organic Reaction Mechanisms (1.5 credits)

CHEM 6420 - Stereochemistry and Conformational Analysis (1.5 credits)

Other course # to be determined by advisor

**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 PHR 8520 (Research Ethics) and PHR 8881 (College and Division Seminars). One enrollment in 8881 is required per semester while on campus (with three 8881.01 or 8881.02 enrollments prior to graduation).