

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

## Biochemical Track Graduate Course Requirements

(updated 08/02/2018)

### Biochemistry

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

### Medicinal Chemistry

PHR 7350 - Drug Discovery and Design (2 credits)

PHR 7351 - Special Topics in Med. Chem. and Pharmacognosy (2 credits)

*And one of the following:*

PHR 7891 - Chromatographic Methods (2 credits) **or**

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

### Other Pharmacy courses:

*One of the following:*

PHR 8005 - Principles of Drug Disposition and Drug Action (3 credits) **or**

PHR 8700 - Theoretical and Experimental Pharmacology (2 credits)

### Two additional electives

MICRO/PHR 5270 – Microbial Natural Products and Biosynthesis

CHEM 6410 - Organic Synthesis I (1.5 credits)

CHEM 6420 - Physical Organic Chemistry (1.5 credits)

PHR 8005 - Principles of Drug Disposition and Drug Action (3 credits)

PHR 8390 - Recent Advances in Pharmacognosy (2 credits)

PHR 8510 – Advanced Pharmacognosy (2 credits)

PHR 8700 - Theoretical and Experimental Pharmacology (2 credits)

Other courses with approval of advisor and advisory committee

**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).