

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

Natural Products Track
Graduate Course requirements

Biochemistry

- Phr 6010 and 6020 or equivalent (total credits 4)

Organic Chemistry

- Chem 5420 – Spectroscopy of Organic Compounds (Credits 1.5)
- Chem 6420 – Stereochemistry and Conformational Analysis (Credits 1.5)

Medicinal Chemistry

- Ph 789(1, 3) - Isolation Technique in Research (credits 4)
- Ph 7350 - Drug Discovery and Drug Design (credits 2)
- Ph 8510 - Advanced Pharmacognosy (credits 2)
- Ph 8390 - Recent Advances in Pharmacognosy (credits 2)

Two electives from the following

- Ph 8350 - Advanced Medicinal Chemistry (credits 2)
- Ph 7892 - Isolation Technique in Research (credits 2)
- Ph 8360 - Advanced Medicinal Chemistry (credits 2)
- Ph 8370 - Advanced Medicinal Chemistry (credits 2)
- Ph 7370 - Advanced Pharmaceutical Analysis (NMR spectroscopy) (credits 2)
- Chem 8499 - Natural Product Chemistry (credits 1-2)
- Biochem/Molecular Biology (outside COP)

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).