The Ohio State University
College of Pharmacy

Pharmaceutical Sciences Minor

Undergraduate Advising
College of Pharmacy 150
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Website: https://pharmacy.osu.edu/education/undergraduate-programs/pharmaceutical-sciences-minor

About the Minor
The Pharmaceutical Sciences minor offers unique training for students pursuing careers in health care and the pharmaceutical industry. Flexible in design, this minor permits students from both science and non-science disciplines to learn about drug science in a variety of contexts.

Minor Requirements
The minor in Pharmaceutical Sciences requires a minimum of 12 credit hours. All students must take PHR2500. Students must fulfill the remaining 9 hours from a list of Pharmacy courses, including at least one designated contemporary issues course. (The contemporary issues will be designated with an *.) Students should meet with the College of Pharmacy’s undergraduate advisors to customize a program.

Required: 3 hours
PHR2500 Drug Discovery, Development, and Delivery

Electives: at least 9 hours
Students must take courses from the following list to bring total hours to 12, including at least 1 contemporary issues course (designated by *). Note: some of these courses have prerequisites that would need to be fulfilled prior to enrollment.

PHR 2010* Pharmacology: How Drugs Work (3 CH)
PHR 2100 Career Develop in the Pharm Sciences I (0.5 CH)
PHR 2101 Career Develop in the Pharm Sciences II (0.5 CH)
PHR 2367.01 & 2367.02 Drug Use in American Culture (3 CH)
PHR 2410* Drugstore Science (3 CH)
PHR 2420* – Drug Culture and Genetics: From Otzi to Ozzy (3 CH)
PHR 2510/2511H* Introduction to Pharmacy (2/3 CH)
PHR 2520* Patient Perspectives (2 CH)
PHR 2530/2530E* Intro to Pharm Sci Research (2 CH)
PHR 2540* Gen Rx: America’s Drug-Taking Culture (3 CH)
PHR 2550* Therapeutic Frontiers (2 CH)
PHR 2560 Success and Leadership in Pharmacy (1.5 CH)
PHR 2590 Chemical Dependency & the Healthcare Professional (3 CH)
PHR 3400* Therapeutic Frontiers (2 CH)
PHR 3410* Vaccine Hesitancy: Towards Effective Communication (3 CH)
PHR 3420* Gen Rx: America’s Drug-Taking Culture (3 CH)
PHR 3430- Quest for the Cure (3 CH)
PHR 3440* Pharmacology of Neurological & Psychiatric Disorders (3 CH)
PHR 3450* Health Citizenship: Advocacy & Change-making (3 CH)
PHR 3460* Molecular Pharmacology (2 CH)
PHR 3500* Pharmacoethics: Dilemmas & Decision-Making (2 CH)
PHR 3510* Topics in International Pharmacy (2 cr hrs)
PHR 3520* Principles of Therapeutics (2 CH)
PHR 3530 Drugs, Human Enhancement & the Mastery of Nature (3 CH)
PHR 3540* Health Citizenship: Advocacy & Change-making (3 CH)
PHR 3550* Topics in International Pharmacy (2 cr hrs)
PHR 3560 Success and Leadership in Pharmacy (1.5 CH)
PHR 3590 Chemical Dependency & the Healthcare Professional (3 CH)

Credit hours required: A minimum of 12 CH. 1000-level courses shall not be counted in the minor. At least 6 credit hours must be upper-level courses as defined by the College of Pharmacy (3000 level or above).

Transfer and EM credit hours allowed: A student is permitted to count up to 6 total hours of transfer credit and/or credit by examination.

Overlap with the GE: A student is permitted to overlap up to 6 credit hours between the GE and the minor.

Overlap with the major and additional minor(s): The minor must be in a different subject than the major. The minor must contain a minimum of 12 hours distinct from the major and/or additional minor(s).

Grades required:
Minimum C- for a course to be listed on the minor
Minimum 2.00 cumulative GPA for all minor course work.
Course work graded Pass/Non-Pass cannot count on the minor
No more than 3 credit hours of course work graded Satisfactory/Unsatisfactory may count toward the minor

X193 credits: No more than 3 credit hours

Minor approval: The minor must be approved by the academic unit at least by the time the graduation application is submitted. Please see the College of Pharmacy’s undergraduate advisors for approval.

Changing the minor: Once the minor program is filed in the college office, any changes must be approved by the College of Pharmacy. Please see an undergraduate advisor for approval.

College of Arts and Sciences Curriculum and Assessment Services
306 Dulles Hall, 230 Annie and John Glenn Ave
http://artsandsciences.osu.edu

Approved CAA 2-3-16
Updated 1-16-20DH
Updated 4-10-20DH
Updated 9-10-20
Updated 10-13-20
Updated 10-29-20 DH
Updated 2-4-21 DH
Updated 4-27-21DH
Updated 4-9-21 DH
Updated 10-6-21B DH
Updated 03-06-2024 RLS