

## Pharmaceutical Sciences, Minor

The minor in pharmaceutical sciences is open to all majors at the university with the exception of Bouvé PharmD and BS Pharmaceutical Sciences students. The minor is designed for undergraduate students from a variety of disciplines who wish to explore key aspects of the pharmaceutical sciences, including pharmacology, medicinal chemistry, and pharmaceutics. It is comprised of three required courses and one elective for a minimum of 15 hours. Students who believe that additional exposure to these topics will integrate effectively with their major (particularly students in biology and chemistry majors, as well as those in chemical and bioengineering programs and health sciences) are encouraged to pursue this minor.

### Minor Requirements

Successful completion of the minor requires that all coursework be completed with a minimum grade of D and courses may not be taken as satisfactory/unsatisfactory (pass/fail). The minor consists of three required courses and one elective course. Up to *two courses* from other major and minor requirements may apply to this minor.

### Required Courses

Code	Title	Hours
PHSC 3411	Pharmaceutics 1	4
PHSC 3801	Principles of Pharmacology and Medicinal Chemistry 1	4
PHSC 3802	Principles of Pharmacology and Medicinal Chemistry 2	4

### Elective Courses

Code	Title	Hours
Complete one of the following:		3-4
BIOL 2217 and BIOL 2218	Integrated Anatomy and Physiology 1 and Lab for BIOL 2217	
BIOL 2219 and BIOL 2220	Integrated Anatomy and Physiology 2 and Lab for BIOL 2219	
CHEM 5676	Bioorganic Chemistry	
PHSC 2301 and PHSC 2302	Human Physiology 1 and Human Anatomy Lab	
PHSC 2303 and PHSC 2304	Human Physiology 2 and Human Physiology Lab	
PHSC 2330	Immunology	
PHSC 3412	Pharmaceutics 2	
PHSC 3430	Pharmacokinetics and Biopharmaceutics	
PHSC 5400	Principles of Drug Design	

### GPA Requirement

Minimum 2.000 GPA required in the minor

### Credit Requirement

15 hours required