

BIOLOGY, B.S. TO PHARMACY, PHARM.D. ACCELERATED PROGRAM

Obtain an undergraduate degree at Saint Louis University and then a Pharm.D. at University of Health Sciences and Pharmacy in St. Louis in seven rather than eight years through this accelerated Doctor of Pharmacy program.

Students working toward a Bachelor of Science in Biology at SLU can apply for admission at University of Health Sciences and Pharmacy (UHSP) in St. Louis after three years of undergraduate study. Courses taken as part of the first professional (P1) year of study at UHSP in St. Louis will also satisfy senior-level degree requirements for the bachelor's degree.

Program Highlights

- The B.S. degree in biology at SLU will satisfy all pre-requisites for admission to the Pharm.D. program at UHSP.
- Sixteen credits from the first year of the Pharm.D. will be used to meet the remaining B.S. in biology degree requirements.

For additional information see the catalog entries for the following programs:

Biology, B.S.

University of Health Sciences and Pharmacy in St. Louis (<https://www.uhsp.edu/>)

Requirements

Students may apply to the accelerated B.S. to Pharm.D. program after having completed 15 credits at SLU and prior to achieving 45 total credits. Students must have a minimum of a 2.70 cumulative grade point average (GPA) to apply. Transfer students will be considered on a case by case basis and must meet eligibility requirements.

Course Substitutions

The following first professional (P1) year courses of the Pharm.D. at University of Health Sciences and Pharmacy in St. Louis will satisfy the bachelor degree requirements outlined.

- BIOL 4360: Principles of Immunology (2 credits) will satisfy an upper-division biology elective.
- BIOL 4432: Medical Physiology (3 credits) will satisfy an upper-division biology elective.
- BIOL 4350: Molecular Biology/Genetics Lab (3 credits) will satisfy an upper-division biology elective.
- BIOL 4401: Principals of Drug Action (4 credits) will satisfy an upper-division biology elective and Senior Inquiry elective.
- PHAR 4102 Introduction to Patient Care (4 credits) will satisfy an upper-division biology elective.

Roadmap

Roadmaps are recommended semester-by-semester plans of study for programs and assume full-time enrollment unless otherwise noted.

Courses and milestones designated as critical (marked with !) must be completed in the semester listed to ensure a timely graduation. Transfer credit may change the roadmap.

This roadmap should not be used in the place of regular academic advising appointments. All students are encouraged to meet with their advisor/mentor each semester. Requirements, course availability and sequencing are subject to change.

Course	Title	Credits
Year One		
Fall		
BIOL 1240 & BIOL 1245	General Biology: Information Flow and Evolution and Principles of Biology I Laboratory	4
CHEM 1110 & CHEM 1115	General Chemistry 1 and General Chemistry 1 Laboratory	4
HSCI 1000	Introduction to Health Sciences	1
ECON 1900	Principles of Economics	3
CMM 1200	Public Speaking	3
Credits		15
Spring		
Participation in First-year Mentoring Events		
BIOL 1260 & BIOL 1265	General Biology: Transformations of Energy and Matter and Principles of Biology II Laboratory	4
CHEM 1120 & CHEM 1125	General Chemistry 2 and General Chemistry 2 Laboratory	4
STAT 1300	Elementary Statistics with Computers	3
PSY 1010	General Psychology	3
ENGL 1900	Advanced Strategies of Rhetoric and Research	3
Credits		17
Summer		
BIOL 4330	Spring Flora of the Ozarks	4
Credits		4
Year Two		
Fall		
BIOL 3020	Biochemistry and Molecular Biology	3
CHEM 2410 & CHEM 2415	Organic Chemistry 1 and Organic Chemistry 1 Laboratory	4
MATH 1510	Calculus I	4
! ENGL 3xxx-4xxx	English Literature Course	3
A&S Core		3
Credits		17
Spring		
Participation in Second-year Mentoring		
BIOL 3040	Cell Structure & Function	3
CHEM 2420 & CHEM 2425	Organic Chemistry 2 and Organic Chemistry 2 Laboratory	4
A&S Core		3
A&S Core		3
A&S Core		3
Credits		16

Summer

A&S Core		3
Credits		3

Year Three**Fall**

BIOL 3470	General Physiology Laboratory	1
BIOL 4540	Human Systemic Physiology	3
BIOL 4640 & BIOL 4650	General Microbiology and General Microbiology Laboratory	5
PHYS 1310 & PHYS 1320	College Physics I and College Physics I Laboratory	4
A&S Core		3
Credits		16

Spring

BIOL 3420	Comparative Anatomy of the Vertebrates	5
PHYS 1330 & PHYS 1340	College Physics II and College Physics II Laboratory	4
A&S Core (Social Science Course)		3
BIOL 3010	Evolutionary Biology	0,3
A&S Core		3
Credits		15-18
Total Credits		103-106