

# HEALTH SCIENCES, B.S. TO PHARMACY, PHARM.D. ACCELERATED PROGRAM

The B.S. in Health Sciences to Pharm.D. accelerated program at Saint Louis University allows students working toward a Bachelor of Science in Health Sciences (<https://catalog.slu.edu/colleges-schools/health-sciences/clinical-health-sciences/health-sciences-bs/>) to apply for admission into the first professional (P1) year of the Pharm.D. after three years of undergraduate study in the health sciences program. The Pharm.D. is offered through the University of Health Sciences and Pharmacy in St. Louis. Courses taken as part of the P1 year are eligible for reverse transfer to Saint Louis University and can fulfill requirements for the Bachelor of Science in Health Sciences.

University of Health Sciences and Pharmacy in St. Louis (<https://www.uhsp.edu>) provides a challenging learning environment where pharmacy students can explore a variety of practice settings, develop medication expertise and become leaders in the profession and their communities. The curriculum focuses on preparing students to provide interprofessional, evidence-based, patient-centered care in any practice setting, achieving positive drug therapy outcomes for patients.

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

Health Sciences, B.S. (<https://catalog.slu.edu/colleges-schools/health-sciences/clinical-health-sciences/health-sciences-bs/>)

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

## Requirements

Students should declare their interest in the accelerated B.S. to Pharm.D. program to their program as soon as possible during their SLU bachelor's to receive the proper advising, after completing 15 credits at SLU but prior to achieving 45 total credits.

Students must complete the UHSP application by December 1st of the year prior to their anticipated start of the Pharm.D. UHSP will notify students by February 1st of the admission decision.

Students are recommended to 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.

The following are considerations in the admission decision:

- Students should have no grades below a C- in prerequisite courses to the Pharm.D. and maintain a cumulative grade point average of 2.7 or higher and a core math and science grade point average of 2.7 or higher;
- Students must successfully complete all designated prerequisite courses at SLU, listed below, or at a regionally accredited college or university, in order to be accepted to the Pharm.D. program; and

- Students must successfully complete an interview and writing assessment.

- As admission requirements can change over time, SLU students should consult UHSP's website ([www.UHSP.edu](http://www.UHSP.edu)) for the admission requirements that are in place at the time of application and admission.

## Pharm.D. Prerequisite Courses

Code	Title	Credits
CHEM 1110 & CHEM 1115	General Chemistry 1 and General Chemistry 1 Laboratory *	4
CHEM 1120 & CHEM 1125	General Chemistry 2 and General Chemistry 2 Laboratory *	4
CHEM 2410 & CHEM 2415	Organic Chemistry 1 and Organic Chemistry 1 Laboratory *	4
CHEM 2420 & CHEM 2425	Organic Chemistry 2 and Organic Chemistry 2 Laboratory *	4
BIOL 3020	Biochemistry and Molecular Biology *	3
BIOL 1240 & BIOL 1245	General Biology: Information Flow and Evolution and Principles of Biology I Laboratory *	4
BIOL 1260 & BIOL 1265	General Biology: Transformations of Energy and Matter and Principles of Biology II Laboratory *	4
HSCI 3300 & HSCI 3310	Anatomy & Physiology I and Anatomy & Physiology I Lab *	4
HSCI 3400 & HSCI 3410	Anatomy and Physiology Lecture II and Anatomy & Physiology II Lab *	4
BIOL 4640 & BIOL 4650 or BLS 4510 & MLS 4515	General Microbiology and General Microbiology Laboratory * Medical Microbiology and Medical Microbiology Laboratory	5
MATH 1510	Calculus I *	4
MATH 1300	Elementary Statistics with Computers *	3
PHYS 1310 & PHYS 1320	Physics I and Physics I Laboratory *	4
ENGL 1900	Advanced Strategies of Rhetoric and Research	3
ENGL 2XXX		3
CMM 1200	Public Speaking	3
PSY 1010 or SOC 1120	General Psychology Introduction to Sociology: Diversity and Health Emphasis	3
ECON 1900	Principles of Economics	3
THEO 1000 or THEO 1600 or PHIL 1700 or HCE 1600	Theological Foundations (or other approved General Liberal Arts/Humanities course) God-Talk The Examined Life: Ultimate Questions Embodiment, Life, and Death in Context	3

**Total Credits**

**69**

## UHSP courses to reverse transfer to SLU

A total of 8-11 credits from Professional Year 1 Pharm.D. coursework is eligible for reverse transfer to SLU towards the bachelor's:

- MGMT 4100 Public Health Fundamentals in Pharmacy (3 credits)  
[reverse transfers for HSCI 2100 Healthcare Management]

- BIOL 4101 Medical Physiology (3 credits) [reverse transfers for PSY 4390 Abnormal Psychology]
- PHIM 4110 Information Mastery I Evidence-Based Medicine & Informatics (2 credits) [reverse transfers as elective credit]
- PHAR 4114 Integrated Pharmacotherapy: Self-care and Dermatology (3 credits) [reverse transfers for HSCI 4500 Hot Topics in Healthcare]<sup>^</sup>

\* Denoted core math/science prerequisite.

<sup>^</sup> Optional course

## 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
<b>Year One</b>		
<b>Fall</b>		
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
CORE 1000	Ignite First Year Seminar	2
HSCI 1000	Introduction to Health Sciences	1
HSCI 2000	The US Health Care System	3
MATH 1510	Calculus I	4
<b>Credits</b>		<b>18</b>
<b>Spring</b>		
! 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
CMM 1200	Public Speaking	3
CORE 1500	Cura Personalis 1: Self in Community	1
HCE 1600	Embodiment, Life, and Death in Context	3
STAT 1300 or MATH 1300	Elementary Statistics with Computers or Elementary Statistics with Computers	3
<b>Credits</b>		<b>18</b>
<b>Summer</b>		
ENGL 1900	Advanced Strategies of Rhetoric and Research <sup>‡</sup>	3
HSCI 2200	Medical Terminology	3
<b>Credits</b>		<b>6</b>
<b>Year Two</b>		
<b>Fall</b>		
BIOL 3020	Biochemistry and Molecular Biology	3

CHEM 2410 & CHEM 2415	Organic Chemistry 1 and Organic Chemistry 1 Laboratory	4
ECON 1900	Principles of Economics	3
HSCI 3200	Aspects of Health Law	3
PHYS 1310 & PHYS 1320	College Physics I and College Physics I Laboratory	4
<b>Credits</b>		<b>17</b>
<b>Spring</b>		
CHEM 2420 & CHEM 2425	Organic Chemistry 2 and Organic Chemistry 2 Laboratory	4
HCE 1700	Death, Disability, Disease, and the Meaning of Life	3
HCE 3240	Bioethics after Auschwitz	3
HSCI 2500	Human Development across the Lifespan	3
PSY 1010	General Psychology	3
<b>Credits</b>		<b>16</b>
<b>Summer</b>		
HSCI 3300 & HSCI 3310	Anatomy & Physiology I and Anatomy & Physiology I Lab	4
HSCI 3400 & HSCI 3410	Anatomy and Physiology Lecture II and Anatomy & Physiology II Lab	4
<b>Credits</b>		<b>8</b>
<b>Year Three</b>		
<b>Fall</b>		
BLS 4510	Medical Microbiology	4
MLS 4515	Medical Microbiology Laboratory	1
HSCI 3700	Research Methods <sup>†</sup>	3
HSCI 4000	Neuroscience in Everyday Life	3
HSCI 4100	Healthcare Technology and Informatics	3
ENGL 2XXX <sup>‡</sup>		3
<b>Credits</b>		<b>17</b>
<b>Spring</b>		
CORE 2800	Eloquentia Perfecta 3: Creative Expression	3
CORE 3500	Cura Personalis 3: Self in the World	1
HSCI 4700	Quality Management and Performance Improvement <sup>†</sup>	3
CORE 4500	Reflection-in-Action	0
HSCI 3800	Epidemiology	3
Elective		3
<b>Credits</b>		<b>13</b>
<b>Total Credits</b>		<b>113</b>

<sup>†</sup> Writing intensive course

<sup>‡</sup> ENGL 1900 satisfies Composition I requirement; ENGL 2XXX satisfies Composition II requirement

### Program Notes

Students will spend three years at Saint Louis University in the Bachelor of Science in Health Sciences program. They will spend four years at the University of Health Sciences and Pharmacy in St. Louis. The Bachelor of Science in Health Sciences will be awarded after completion of their first Pharm.D. professional year.

Please visit the University of Health Sciences and Pharmacy in St. Louis's website for more information about the Pharm.D. portion of this degree at <https://www.uhsp.edu>.

## **Contact Us**

### **Contact Doisy College of Health Sciences:**

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