ABOUT THE PROGRAM

The Bachelor of Science (B.S.) in Pharmaceutical Sciences is designed for students to gain a strong foundation in the basic sciences and liberal arts. Students will tailor their education through one of two emphases – Health Sciences or Health Humanities.

Students who select a major in pharmaceutical sciences with an emphasis in health sciences will gain a background in chemistry, mathematics and biological sciences. Coursework in these fields is required to seek admission to graduate programs in the sciences and health care and professional programs in pharmacy, dentistry, optometry, veterinary medicine, podiatry and more.

With an emphasis in health sciences, students will also complete the coursework in physics required to pursue graduate and professional study in medicine.

The curriculum provides opportunities for students to engage in research and other hands-on learning experiences to expand their skills beyond the classroom.

STUDENT OUTCOMES

After completing the B.S. in Pharmaceutical Sciences with an emphasis in Health Sciences, students may choose to enter a health professions career immediately, and they will be well equipped with the foundational knowledge, critical thinking, communication and problem-solving skills to be successful in a variety of positions in pharmaceutical industry, biomedical research labs and academic environments.

In addition to building a strong foundation for graduate and professional programs, graduates of the program will:

• Gain an interdisciplinary understanding of the fundamentals of biology, chemistry and physics
• Build skills to think critically and problem solve
• Demonstrate the ability to communicate well orally and in writing
• Demonstrate a conceptual understanding of scientific and mathematical principles

Start Here for Preferred Admission and No PCAT

By integrating a bachelor’s degree with the Doctor of Pharmacy (Pharm.D.), students may progress into the professional program after completing junior-level requirements. The first-professional (PI) year fulfills senior-level requirements, saving students a full year of study. Students are admitted to the professional program through a holistic admissions process, which includes an interview and writing assessment, and students who complete more than two full-time semesters of undergraduate coursework at the College are not required to take the Pharmacy College Admission Test (PCAT).

Students who do not choose to pursue a bachelor’s degree may declare their intent to progress into the PI year after completing prerequisite coursework.
INTEGRATING WITH A DOCTOR OF PHARMACY

Through the integrated Bachelor of Science (B.S.) and Doctor of Pharmacy (Pharm.D.) program, students complete undergraduate requirements and progress into the professional program. As long as requirements are met, most students enter the Pharm.D. program without additional testing.

In the Pharm.D. program, students complete 130 hours of required coursework, which includes hands-on learning opportunities.

- Introductory pharmacy practice experiences (IPPEs) introduce you to the profession. You will consult with patients, discuss their concerns and do everything from assisting with dispensing prescriptions to creating medication management plans.
- Eight five-week advanced pharmacy practice experience (APPE) rotations let you gain experience in hospitals, clinics and community care or health system pharmacies. APPEs will immerse you in your role as a pharmacist.

Elective Focus Areas

Our program allows you to customize your plan of study to meet your career goals through Elective Focus Areas such as clinical services, public health, disease state management and research. Elective Focus Areas allow students to explore pharmacy-related topics in depth.

Students at the College can gain international experience around the world through service learning courses and, for pharmacy students, international rotations in more than 15 countries.

NEXT STEPS

To learn more about St. Louis College of Pharmacy’s Bachelor of Science (B.S.) in Pharmaceutical Sciences or to schedule a visit, contact the Office of Admissions at admissions@stlcop.edu or 314.446.8328.