

HEALTH SCIENCES, B.S.

Discover your passion in health care with Saint Louis University's Bachelor of Science in Health Sciences.

Program Overview

- **Specialized Pathways:** Ideal for premedicine, pre-PA, pre-PT/OT, and other preprofessional paths, or for those interested in clinical health informatics or health data management.
- **Comprehensive Curriculum:** Covers medical sciences, anatomy, physiology, research methods, health care management, and technology, providing a well-rounded education that prepares you for the complexities of the health care industry.
- **Discover your Passion:** Gain a solid scientific foundation that opens doors to early career opportunities or advanced graduate studies, equipping you for success in the dynamic health care landscape.

Program Highlights and Options

- **Expert Faculty:** Learn from a team of experienced professionals and researchers who bring real-world expertise to the classroom. Our faculty members are dedicated to fostering a supportive and engaging learning environment, offering personalized mentorship and career advice to help you thrive in the health care industry.
- **Innovative Technology:** Experience state-of-the-art laboratories and classrooms where you work with the latest healthcare technology systems. Through hands-on projects and real-world case studies, you'll develop practical skills that enhance patient care and streamline health care operations, ensuring you make an immediate impact in your professional career.
- **Health Information and Data Analysis in Health Care Education:** Our courses build essential skills in data analysis, IT integration, and health care law, equipping all students for successful careers in health care. For those intrigued by health information, our courses offer an in-depth exploration of health care data, clinical coding, revenue-cycle management, and other key industry competencies.

Accelerated Undergraduate to Graduate Options

- Health Sciences, B.S. to Juris Doctorate (Law)
- Health Sciences, B.S. to M.S. in Health Data Science
- Health Sciences, B.S. to Master of Health Administration (M.H.A.)

Enrich Your Degree

Health information management minor (<https://catalog.slu.edu/colleges-schools/health-sciences/clinical-health-sciences/health-information-management-minor/>): As health care becomes more information-intensive, the ability to understand and use data can complement and enhance any student's major interested in health care.

Clinical Documentation and Health Information Foundations, Microcredential (<https://catalog.slu.edu/colleges-schools/health-sciences/clinical-health-sciences/clinical-document-health-info-found-micro/>)

Clinical Foundations for Health Professionals, Microcredential (<https://catalog.slu.edu/colleges-schools/health-sciences/clinical-health-sciences/clinical-foundations-health-pro-micro/>)

Clinical Research and Health Data Analytics, Microcredential (<https://catalog.slu.edu/colleges-schools/health-sciences/clinical-health-sciences/clinical-research-health-data-analytics-micro/>)

Health Data Literacy, Microcredential (<https://catalog.slu.edu/colleges-schools/health-sciences/clinical-health-sciences/health-data-literacy-micro/>)

Healthcare Compliance & Quality, Microcredential (<https://catalog.slu.edu/colleges-schools/health-sciences/clinical-health-sciences/healthcare-compliance-quality-micro/>)

Healthcare Quality and Operational Performance, Microcredential (<https://catalog.slu.edu/colleges-schools/health-sciences/clinical-health-sciences/healthcare-quality-op-perf-micro/>)

Revenue Cycle & Healthcare Financial Operations, Microcredential (<https://catalog.slu.edu/colleges-schools/health-sciences/clinical-health-sciences/revenue-cycle-healthcare-financial-op-micro/>)

Curriculum Overview

Join us at Saint Louis University and embark on a journey to transform health care for the better. We understand the importance of adapting to the changing needs of the health care industry. Our flexible curriculum, experienced faculty, and hands-on learning opportunities prepare you for success in today's dynamic health care landscape.

Our curriculum offers the ability to tailor your course roadmap to your career aspirations. SLU's health sciences curriculum allows for diverse preparation options, such as premedicine, pre-PA, pre-PT/OT, pre dental, preoptometry, health information management, and other health-related fields.

Careers

A degree in health sciences prepares you for medical school, professional graduate programs or other post-baccalaureate studies.

Students are also equipped with the skills and knowledge needed to excel in career opportunities as:

- Health care coordinators
- Case managers
- Health services managers
- Health data analysis
- Privacy officers
- Corporate wellness administrator
- Medicolegal death investigator
- Patient advocate/patient navigator
- Health literacy educator
- Many other rewarding careers

These job opportunities are in various settings, including:

- Hospitals and integrated delivery systems
- Medical service organization
- Physician-management organization
- Consulting firms
- Technology and information system companies
- Health Insurance companies,

- Federal, state, and local health agencies
- Long-term care facilities and many others

Graduates of our program pursue diverse career paths, and with growing demand in the health care industry, your opportunities are endless.

Admission Requirements

Freshman Applicants

Solid academic performance in college preparatory coursework is a primary consideration when we review your freshman application.

Admission criteria include:

- Minimum cumulative GPA of 2.70 or greater on a 4.00 scale
- Saint Louis University has moved to a test-optional admission process for all undergraduate programs. Applicants may submit standardized test scores, but those who choose not to will not be disadvantaged in any way in the admission process.

Transfer Applicants

The minimum college transfer GPA is 2.70/4.00.

International Applicants

All admission policies and requirements for domestic students apply to international students, along with the following:

- You must demonstrate English language proficiency (<https://catalog.slu.edu/academic-policies/office-admission/undergraduate/english-language-proficiency/>).
- Proof of financial support must include:
 - A letter of financial support from the person(s) or sponsoring agency funding your time at Saint Louis University.
 - A letter from the sponsor's bank verifying that the funds are available and will be so for the duration of your study at the University.
- Academic records, in English translation, of students who have undertaken postsecondary studies outside the United States must include the courses taken and/or lectures attended, practical laboratory work, the maximum and minimum grades attainable, the grades earned or the results of all end-of-term examinations, and any honors or degrees received. WES and ECE transcripts are accepted.

Tuition

Tuition/Fee	Cost Per Year
Undergraduate Tuition	\$58,960
University Fees	\$1,000

Additional charges may apply. Other resources are listed below:

Net Price Calculator (<https://www.slu.edu/financial-aid/tuition-and-costs/calculator.php>)

Cost of Attendance (<https://www.slu.edu/financial-aid/tuition-and-costs/cost-of-attendance.php>)

Information on Tuition and Fees (<https://catalog.slu.edu/academic-policies/student-financial-services/tuition/>)

Miscellaneous Fees (<https://catalog.slu.edu/academic-policies/student-financial-services/fees/>)

Information on Summer Tuition (<https://catalog.slu.edu/academic-policies/student-financial-services/tuition-summer-current/tuition-summer-current.pdf>)

Scholarships and Financial Aid

There are two principal ways to help finance a Saint Louis University education:

- **Scholarships:** Awarded based on academic achievement, service, leadership and financial need. In addition to SLU scholarships, the Doisy College of Health Sciences offers scholarships (<https://www.slu.edu/doisy/about/scholarships-for-current-students.php>) to sophomores, juniors, seniors and graduate students.
- **Financial Aid:** Provided in the form of grants and loans, some of which require repayment.

For priority consideration of merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by Feb. 1.

For more information, visit the Office of Student Financial Services (<https://www.slu.edu/financial-aid/>).

Learning Outcomes

1. Students will express issues in health care.
2. Students will demonstrate effective team skills when collaborating on health care projects.
3. Students will use research to defend conclusions related to health care issues.
4. Students will reflect on behaviors related to health sciences rooted in Jesuit values of *cura personalis*.

Requirements

Students in SLU's health sciences major take the following courses. Students must earn a C or better in math, science, and health science and health information management (HSCI & HIM) courses. Students must maintain a cumulative 2.70 GPA to maintain good standing.

Code	Title	Credits
Undergraduate University Core (https://catalog.slu.edu/academic-policies/academic-policies-procedures/university-core/)		32-35
Major Requirements		59-61
<i>Required General Education Courses</i>		
BIOL 1240 & BIOL 1245	General Biology: Information Flow and Evolution and Principles of Biology I Laboratory	4
MATH 1200	College Algebra ²	3
STAT 1300	Elementary Statistics with Computers	3
Choose one of the following sequences		4
BIOL 1260 & BIOL 1265	General Biology: Transformations of Energy and Matter and Principles of Biology II Laboratory	
or CHEM 1080 & CHEM 1085	Principles of Chemistry 1 Lecture and Principles of Chemistry 1 Lab	
<i>Required Major Courses</i>		
HSCI 1000	Introduction to Health Sciences	1
HSCI 2000	The US Health Care System	3

HSCI 2100	Health Care Management	3
HSCI 2200	Medical Terminology	3
HSCI 2400	Professional Development Seminar	1
HIM 3000	Introduction to Health Information Concepts and Practice	3
HSCI 3200	Aspects of Health Law	3
HSCI 3700	Research Methods	3
HSCI 3910	Internship	1-3
HSCI 4100	Healthcare Technology and Informatics	3
HSCI 4500	Hot Topics in Health Care	3
<i>Required Major Elective Courses</i>		<i>18</i>
Choose at least 18 credits from the following		
HSCI 2500	Human Development across the Lifespan	
HSCI 3300 & HSCI 3310	Anatomy & Physiology I and Anatomy & Physiology I Lab	
HSCI 3400 & HSCI 3410	Anatomy and Physiology Lecture II and Anatomy & Physiology II Lab	
HSCI 3800	Global Perspectives in Epidemiology	
HSCI 4000	Neuroscience in Everyday Life	
HSCI 4700	Quality Assurance and Performance Improvement	
HSCI 4910	Internship	
HIM 3200	Health Data Management	
HIM 3400	Coding and Classification Systems	
HIM 4400	Clinical Data Analytics	
HIM 4510	Health Care Revenue Cycle Management	
HIM 4750	Fundamentals of Clinical Medicine	
University Electives		24-29
Total Credits		120

Students interested in advanced studies should visit these accelerated program pages:

Health Sciences, B.S. to Health Administration, M.H.A. Accelerated Program (<https://catalog.slu.edu/colleges-schools/health-sciences/clinical-health-sciences/hsci-mha-accelerated/>)

Health Sciences, B.S. to Health Data Science, M.S. Accelerated Program (<https://catalog.slu.edu/colleges-schools/health-sciences/clinical-health-sciences/hsci-mshds-accelerated/>)

Health Sciences, B.S. to Law, J.D. Accelerated Program (<https://catalog.slu.edu/colleges-schools/health-sciences/clinical-health-sciences/health-sciences-jd-accelerated/>)

Roadmap

This roadmap is just one example of a semester-by-semester plan of study for this program. There are other plans students can and do take. The plan of study for each particular student is established in consultation with each student's academic advisor; *this roadmap does not replace academic advising appointments.*

Roadmap notes:

- This Roadmap assumes full-time enrollment unless otherwise noted.
- Courses/Milestones marked with an "!" are critical and must be completed in the semester listed in the Roadmap to ensure a timely graduation.
- Course availability and sequencing are subject to change.

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Course	Title	Credits
Year One		
Fall		
CORE 1000	Ignite First Year Seminar	2
CORE 1500	Cura Personalis 1: Self in Community	1
MATH 1200	College Algebra	3
HSCI 1000	Introduction to Health Sciences	1
! BIOL 1240 & BIOL 1245	General Biology: Information Flow and Evolution and Principles of Biology I Laboratory (! satisfies CORE 3800)	4
University Elective		4
Credits		15
Spring		
CORE 1600	Ultimate Questions: Theology	3
! BIOL 1260 & BIOL 1265	General Biology: Transformations of Energy and Matter	4
or CHEM 1080 and CHEM 1085	or Principles of Chemistry 1 Lecture and Principles of Chemistry 1 Lab	
STAT 1300	Elementary Statistics with Computers	3
CORE 1900	Eloquentia Perfecta 1: Written and Visual Communication	3
University Elective		3
Credits		16
Year Two		
Fall		
HSCI 2000	The US Health Care System	3
HSCI 2200	Medical Terminology	3
HIM 3000	Introduction to Health Information Concepts and Practice	3
CORE 1200	Eloquentia Perfecta 2: Oral and Visual Communication	3
CORE 1700	Ultimate Questions: Philosophy	3
Credits		15
Spring		
HSCI 2100	Health Care Management	3
HSCI 2400	Professional Development Seminar	1
CORE 2800	Eloquentia Perfecta 3: Creative Expression	2-3
HSCI Elective	Health Sciences Major Elective Course	3
University Electives		6
Credits		15-16
Year Three		
Fall		
HSCI 3200	Aspects of Health Law	3
HSCI 3700	Research Methods (! satisfies CORE 4000)	3
HSCI Elective	Health Sciences Major Elective Course	3

CORE 3600	Ways of Thinking: Social and Behavioral Sciences	3
University Elective		3
Credits		15
Spring		
HSCI 3910	Internship	1-3
HSCI Electives	Health Sciences Major Elective Courses	6
CORE 3400	Ways of Thinking: Aesthetics, History, and Culture	3
CORE 3500	Cura Personalis 3: Self in the World	1
University Elective		3
Credits		14-16
Year Four		
Fall		
HSCI 4100	Healthcare Technology and Informatics	3
HSCI Elective	Health Sciences Major Elective Course	3
CORE	Equity and Global Identities: Identities in Context attributed course	3
University Electives		6
Credits		15
Spring		
HSCI 4500	Hot Topics in Health Care	3
HSCI Elective	Health Sciences Major Elective Course	3
University Electives		9
Credits		15
Total Credits		120-123

Madrid to St. Louis 2+2 Roadmap

Course	Title	Credits
Year One		
Fall		
NURS 1430	Human Growth and Development through the Lifespan	3
CORE 1500	Cura Personalis 1: Self in Community	1
MATH 1200	College Algebra	3
HSCI 1000	Introduction to Health Sciences	1
BIOL 1240 & BIOL 1245	General Biology: Information Flow and Evolution and Principles of Biology I Laboratory	4
CORE 1600	Ultimate Questions: Theology	3
Credits		15
Spring		
BIOL 1260 & BIOL 1265 or CHEM 1110 and CHEM 1115	General Biology: Transformations of Energy and Matter or General Chemistry 1 and General Chemistry 1 Laboratory	4
STAT 1300	Elementary Statistics with Computers	3
CORE 1900	Eloquentia Perfecta 1: Written and Visual Communication	3
University Electives		6
Credits		16

Year Two		
Fall		
HSCI 2200	Medical Terminology	3
CORE 1200	Eloquentia Perfecta 2: Oral and Visual Communication	3
CORE 1700	Ultimate Questions: Philosophy	3
CORE 3600	Ways of Thinking: Social and Behavioral Sciences	3
University Elective		3
Credits		15
Spring		
IPE 2100	Interprofessional Collaboration and Healthcare in Global Context	3
CORE 2800	Eloquentia Perfecta 3: Creative Expression	2-3
CORE 3400	Ways of Thinking: Aesthetics, History, and Culture	3
University Electives		6
Credits		14-15
Year Three		
Fall		
HSCI 3200	Aspects of Health Law	3
HSCI 3700	Research Methods	3
HSCI Electives: Health Sciences Major Elective Courses		9
Credits		15
Spring		
HSCI 2100	Health Care Management	3
HSCI 2400	Professional Development Seminar	1
HIM 3000	Introduction to Health Information Concepts and Practice	3
HSCI Electives: Health Sciences Major Elective Courses		6
University Elective		3
Credits		16
Year Four		
Fall		
HSCI 3910	Internship	2-3
CORE 3500	Cura Personalis 3: Self in the World	1
HSCI 4100	Healthcare Technology and Informatics	3
HSCI Elective	Health Sciences Major Elective Course	3
University Electives		6
Credits		15-16
Spring		
HSCI 4500	Hot Topics in Health Care	3
HSCI Elective	Health Sciences Major Elective Course	3
University Electives		9
Credits		15
Total Credits		121-123

Madrid

Students can begin their Bachelor of Science in Health Sciences at SLU-Madrid and transfer to SLU-St. Louis for the last two years to finish. For more information, view the Madrid-St. Louis 2+2 roadmap on the roadmap tab.

Curriculum Overview

The health sciences program at Saint Louis University-Madrid provides students with an international pathway to complete their degree. Students complete the first two years of coursework in Madrid, and the final two years at Saint Louis University in St. Louis, Missouri.

At the Madrid campus, small class sizes foster close interaction between students and faculty. It also offers a diverse, international academic environment that promotes intercultural competence and global awareness. Students also have the opportunity to develop Spanish language proficiency through formal coursework, cultural immersion, and engagement with the local community.

Faculty

The faculty at Saint Louis University-Madrid are experts in their respective fields. They are internationally recognized teachers, researchers and mentors. Learn about our faculty members (<https://www.slu.edu/madrid/academics/faculty/faculty-profiles.php>), including their education, credentials, experience and contact information.

Faculty Research

The SLU-Madrid faculty maintains robust programs of research in a variety of fields. See below for more data.

Find Faculty Research Information (<https://www.slu.edu/madrid/academics/faculty/faculty-research.php>)

Find Research Resources (<https://www.slu.edu/madrid/academics/faculty/research-resources.php>)

Admission

SLU-Madrid Application (<https://www.slu.edu/madrid/apply.php>)

Application Deadlines

- April 1 - Fall admission (July 1 for EU students)
- Aug. 1 - Spring admission (Nov. 1 for EU students)
- March 1 - Summer sessions (for applicants who require a student visa)
- April 15 - Summer sessions (for applicants who do not require a student visa)

Contact Us

Office of Admissions
Avenida del Valle, 34
28003 Madrid, Spain
P. (+34) 91 554 58 58
admissions-madrid@slu.edu

Office Hours: Mondays through Fridays: 9 a.m. to 6 p.m. (3 p.m. on Fridays from May 15 - Sept. 1)

Tuition and Fees

SLU-Madrid is committed to providing a quality Jesuit education at an affordable price. Tuition rates at SLU-Madrid are approximately 40% lower than at comparable private universities in the U.S.

If you have questions or would like to speak with a financial aid officer, email us at financialaid-madrid@slu.edu.

- Tuition and Fees (<https://www.slu.edu/madrid/admissions/tuition-fees.php>)

- Scholarships and Financial Aid (<https://www.slu.edu/madrid/admissions/scholarships-financial-aid.php>)

2+SLU

2+SLU programs provide a guided pathway for students transferring from a partner institution.

- Health Sciences, B.S. (STLCC 2+SLU) (<https://catalog.slu.edu/academic-policies/office-admission/undergraduate/2pluslu/stlcc/health-sciences/>)

Contact Us

Apply for Admission (<https://www.slu.edu/admission/>)

Contact Doisy College of Health Sciences

Recruitment specialist
314-977-2570
dchs@health.slu.edu