

HEALTH SCIENCES, HEALTH INFORMATION MANAGEMENT, B.S. TO HEALTH DATA SCIENCE, M.S. ACCELERATED PROGRAM

Saint Louis University's accelerated Bachelor of Science in Health Sciences with a concentration in health information management to Master of Science in Health Data Science is designed for students who demonstrate academic success in health information management and related coursework.

The concentration in health information management blends the study of medical sciences, health data, information technology, legal concepts and health care management.

Students in the HIM concentration learn the nuances of health care delivery, health care data, data management, health information technology and medical-legal aspects of health care. This knowledge establishes a strong foundation for students interested in pursuing an M.S. in health data science (<https://catalog.slu.edu/colleges-schools/medicine/health-outcomes-research/health-data-science-ms/>).

Students retain undergraduate status, financial aid and tuition rates until their Bachelor of Science degree is conferred after year four. At that time, students attain official graduate student status, pay graduate tuition and become eligible for graduate assistantships.

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

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

Health Data Science, M.S. (<https://catalog.slu.edu/colleges-schools/medicine/health-outcomes-research/health-data-science-ms/>)

Accreditation

The B.S. in Health Sciences, Health Information Management concentration is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).

Requirements

Admission Requirements

Eligibility requirements for SLU's health sciences B.S., health information management concentration to health data science, M.S. accelerated program include:

- Students must have a minimum cumulative GPA of 3.00
- Students must be in good academic and disciplinary standing with Saint Louis University and the Doisy College of Health Sciences.
- Students can declare their interest to the accelerated program to their advisor up until the sixth semester.
- No earlier than the sixth semester of collegiate study, students in the accelerated health information management concentration to

M.S. health data science track submit a letter of interest to the Health Information Management Program.

Program Requirements

- In the eighth semester, students will apply to the M.S. in health data science program.
- Students will substitute designated graduate health data science courses for undergraduate health information management courses in the seventh and eighth semesters. Students can count up to 15 credits from the M.S. towards the B.S. requirements, but due to the nature of both programs, most students end up counting 9 credits from the M.S. towards the B.S.
- Accepted students will continue M.S. in health data science graduate coursework in the summer semester after graduating with a B.S. in health sciences, health information management concentration.

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 (satisfies CORE 3800)	4
CORE 1000	Ignite First Year Seminar	2
CORE 1500	Cura Personalis 1: Self in Community	1
HSCI 1000	Introduction to Health Sciences	1
MATH 1200	College Algebra	3
XXXX	Core Elective	3
Credits		14
Spring		
BIOL 1260 & BIOL 1265	General Biology: Transformations of Energy and Matter and Principles of Biology II Laboratory	4
CORE 1900	Eloquentia Perfecta 1: Written and Visual Communication	3
CORE 1600	Ultimate Questions: Theology	3
MATH 1320	Survey of Calculus	3
CORE 3600	Ways of Thinking: Social and Behavioral Sciences	3
Credits		16
Year Two		
Fall		
CORE 1700	Ultimate Questions: Philosophy	3
CORE 2500	Cura Personalis 2: Self in Contemplation	0

HIM 3000	Health Information Management Concepts and Practice	3
HSCI 2000	The US Health Care System	3
HSCI 2200	Medical Terminology	3
STAT 1300	Elementary Statistics with Computers (satisfies CORE 3200)	3
Credits		15
Spring		
BTM 2000	Introduction to Business Technology Management	3
CORE 1200	Eloquentia Perfecta 2: Oral and Visual Communication	3
CORE 2800	Eloquentia Perfecta 3: Creative Expression	2-3
HSCI 2100	Health Care Management	3
HSCI 2500	Human Development across the Lifespan	3
Credits		14-15
Year Three		
Fall		
HIM 3200	Health Data Management	3
HIM 4750	Fundamentals of Clinical Medicine	3
HSCI 3200	Aspects of Health Law	3
HSCI 3300 & HSCI 3310	Anatomy & Physiology I and Anatomy & Physiology I Lab	4
HSCI 3700	Research Methods (satisfies CORE 4000)	3
Credits		16
Spring		
BTM 2500	Data Modeling, Analysis and Visualization	3
HIM 4400	Clinical Data Analytics	3
HIM 3400	Coding and Classification Systems	4
HSCI 3400 & HSCI 3410	Anatomy and Physiology Lecture II and Anatomy & Physiology II Lab	4
Credits		14
Year Four		
Fall		
HIM 4510	Health Care Revenue Cycle Management	3
HSCI 4100	Healthcare Technology and Informatics	3
HDS 5000	Foundations in Health Data Science	3
ORES 5300	Foundations of Health Outcomes Research	3
CORE 3400	Ways of Thinking: Aesthetics, History, and Culture	3
Credits		15
Spring		
HIM 4530	Health Information Senior Seminar and Capstone (satisfies CORE 3500)	3
HSCI 4700	Quality Management and Performance Improvement	3
ORES 5160	Data Management and Programming in Healthcare	3
HDS 5130	Healthcare Organization, Management, and Policy	3
Elective		3
Credits		15

Year Five**Fall**

HDS 5310	Analytics, Statistics & Visualization Methods in Health Data Science	3
HDS 5330	Predictive Modeling and Health Machine Learning	3
Credits		6

Spring

HDS 5430	Health Image Processing and Deep Learning	3
HDS 5230	High-Performance Computing and Health Artificial Intelligence	3
Credits		6

Year Six**Fall**

HDS 5530	Natural Language Processing and Large Language Models in Healthcare	3
HDS 5960	Capstone Experience	3
Credits		6

Total Credits **137-138**

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