

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

Saint Louis University's accelerated B.S. in Health Sciences-Health Information Management/M.S. in Health Data Science is designed for students who demonstrate academic success in health information management and related coursework.

The program in Health Information Management (HIM) is a unique undergraduate program that blends the study of medical sciences, information technology, legal concepts and health care management.

Students in the HIM program learn the nuances of health care delivery, health care data, data management, health information technology and medical-legal aspects. This knowledge establishes a strong foundation for students interested in pursuing a M.S. in Health Data Science (<https://www.slu.edu/medicine/health-and-clinical-outcomes-research/degrees/health-data-science-ms.php>).

Students retain undergraduate status, financial aid, and tuition rates until their undergraduate 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 programs:

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

Health Data Science, M.S. (<https://www.slu.edu/medicine/health-and-clinical-outcomes-research/degrees/health-data-science-ms.php>)

## Accreditation

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

## Requirements

Eligibility requirements 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 must be in their sixth semester of collegiate study and on the accelerated Health Information Management to M.S. Health Data Science track and submit a letter of interest to the Health Information Management program.
- Students will substitute designated graduate HDS courses for undergraduate HIM courses in the seventh and eighth semesters.
- In the eighth semester, the student will apply to the M.S. Health Data Science.

- Accepted students will continue M.S. Health Data Science graduate coursework in the summer semester after graduating with a B.S in Health Information Management

## 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>		
ENGL 1900	Advanced Strategies of Rhetoric and Research	3
HSCI 1000	Introduction to Health Sciences	1
HSCI 2000	The US Health Care System	3
MATH 1320	Survey of Calculus	3
PSY 1010	General Psychology	3
XXXX	Science Elective	3
<b>Credits</b>		<b>16</b>
<b>Spring</b>		
BTM 2000	Introduction to Business Technology Management	3
CMM 1200	Public Speaking	3
HSCI 2200	Medical Terminology	3
PHIL 1050	Introduction to Philosophy: Self and Reality	3
XXXX	Fine Arts Elective	3
<b>Credits</b>		<b>15</b>
<b>Year Two</b>		
<b>Fall</b>		
BTM 2500	Data Modeling, Analysis and Visualization	3
ECON 1900	Principles of Economics	3
HIM 3000	Health Information Management Concepts and Practice	3
HSCI 3300 & HSCI 3310	Anatomy & Physiology I and Anatomy & Physiology I Lab	4
XXXX	Social Science Elective	3
<b>Credits</b>		<b>16</b>
<b>Spring</b>		
HSCI 3400 & HSCI 3410	Anatomy and Physiology Lecture II and Anatomy & Physiology II Lab	4
OPM 2070	Introduction to Business Statistics	3
PHIL 2050	Ethics	3
XXXX	Elective	3
2XXX	Literature Elective	3
<b>Credits</b>		<b>16</b>

**Year Three****Fall**

BTM 3300	Managing Databases and Big Data	3
HIM 3200	Health Data Management	3
HIM 4750	Fundamentals of Clinical Medicine	3
HSCI 3200	Aspects of Health Law	3
HSCI 4100	Healthcare Technology and Informatics	3
<b>Credits</b>		<b>15</b>

**Spring**

HIM 3300		3
HIM 3600	HIM Theory and Practice Laboratory	1
HSCI 2100	Health Care Management	3
THEO 1000	Theological Foundations	3
XXXX	Elective	3
XXXX	Elective	3
<b>Credits</b>		<b>16</b>

**Year Four****Fall**

HDS 5310	Analytics and Statistical Programming	3
HIM 4510	Health Care Financial Management	3
ORES 5300	Foundations of Outcomes Research I	3
XXXX	Elective	3
XXXX	Elective	3
<b>Credits</b>		<b>15</b>

**Spring**

BTM 3700	Business Analytics	3
HDS 5210	Programming for Health Data Scientists	3
HIM 4530	Professional Practice	3
HIM 4950	Senior Seminar	3
HSCI 4700	Quality Management and Performance Improvement	3
<b>Credits</b>		<b>15</b>

**Summer**

HDS 5320	Inferential Modeling	3
<b>Credits</b>		<b>3</b>

**Year Five****Fall**

HDS 5330	Predictive Modeling and Machine Learning	3
ORES 5160	Data Management	3
<b>Credits</b>		<b>6</b>

**Spring**

HDS 5230	High Performance Computing	3
HMP 5000	Health Care Organization	3
<b>Credits</b>		<b>6</b>

**Summer**

HDS 5960	Capstone Experience	3
<b>Credits</b>		<b>3</b>

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**Total Credits** **142**

For additional admission questions please contact:

Julie Miller  
 Recruitment Specialist  
 314-977-2570  
 dchs@health.slu.edu

## Contact Us

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