HEALTH SCIENCE (BS)

The Health Science (BS) provides a holistic experiential educational experience that prepares students for a variety of potential careers and professional degrees serving healthcare. The program is designed to facilitate pursuit of cross-disciplinary coursework to prepare students for healthcare careers.

Related Programs

Major

- Exercise Science (BS) (https://catalog.luc.edu/undergraduate/health-sciences-public-health/exercise-science-bs/)
- Healthcare Administration (BS) (https://catalog.luc.edu/undergraduate/health-sciences-public-health/healthcare-administration-bs/)

Curriculum

The BSHS program draws on courses in healthcare administration, public health, exercise science, nutrition, biology, chemistry, mathematics, and social sciences.

The program requires 61 credit hours towards the minimum 120 credits needed for graduation. In addition to the 61 major credits, students complete 30 credits in the University core and may use the remaining elective credits towards the optional selection of a pre-health advising pathway, a minor, second major or elective credits towards pursuing other courses of interest.

Code	Title	Hours
BIOL 101	General Biology I	3
BIOL 102	General Biology II	3
BIOL 111	General Biology I Lab	1
BIOL 112	General Biology II Lab	1
CHEM 160	Chemical Structure and Properties	3
CHEM 161	Chemical Structure and Properties Laboratory	1
CHEM 180	Chemical Reactivity I	3
CHEM 181	Chemical Reactivity I Lab	1
EXCM 155L	Anatomy and Physiology I Lab	1
EXCM 155	Anatomy and Physiology I	3
EXCM 156	Anatomy and Physiology II	3
EXCM 156L	Anatomy and Physiology II Lab	1
PSYC 101	General Psychology	3
SOCL 101	Society in a Global Age	3
STAT 103 or STAT 335 or PSYC 304	Fundamentals of Statistics Introduction to Biostatistics Statistics	3
MATH 131	Applied Calculus I	3
FONU 215	Fundamentals of Nutrition	3
PUBH 300	Introduction to Public Health	3
EXCM 342	Physical Growth, Development and Nutrition	3
HSM 110	Healthcare in America	3
HSM 120	Essentials of Medical Terminology for Health Professionals	1
PHIL 284 or HSM 280	Health Care Ethics Healthcare Ethics in Practice	3
HSM 386	Health Information Systems Management	3
HSM 390	Applied Decision-Making in Interprofessional Education	3
HSM 391	Interprofessional Internship	3
Total Hours		**61**

Suggested Sequence of Courses

The below sequence of courses is meant to be used as a suggested path for completing coursework. An individual student's completion of requirements depends on course offerings in a given term as well as the start term for a major or graduate study. Students should consult their advisor for assistance with course selection.

Course	Title	Hours
Freshman		
Fall		
CHEM 160	Chemical Structure and Properties	3
CHEM 161	Chemical Structure and Properties Laboratory	1
HSM 110	Healthcare in America	3
MATH 131	Applied Calculus I	3
EXCM 155	Anatomy and Physiology I	3
EXCM 155L	Anatomy and Physiology I Lab	1
	Hours	**14**
Spring		
CHEM 180	Chemical Reactivity I	3
CHEM 181	Chemical Reactivity I Lab	1
SOCL 101	Society in a Global Age	3
EXCM 156	Anatomy and Physiology II	3
EXCM 156L	Anatomy and Physiology II Lab	1
	Hours	**11**
Sophomore		
Fall		
BIOL 101	General Biology I	3
BIOL 111	General Biology I Lab	1
PSYC 101	General Psychology	3
STAT 103 or STAT 335 or PSYC 304	Fundamentals of Statistics or Introduction to Biostatistics or Statistics	3
	Hours	**10**
Spring		
BIOL 102	General Biology II	3
BIOL 112	General Biology II Lab	1
PUBH 300	Introduction to Public Health	3
PHIL 284 or HSM 280	Health Care Ethics or Healthcare Ethics in Practice	3
	Hours	**10**
Junior		
Fall		
FONU 215	Fundamentals of Nutrition	3
EXCM 342	Physical Growth, Development and Nutrition	3
HSM 120	Essentials of Medical Terminology for Health Professionals	1

HSM 386	Health Information Systems Management	3
	Hours	**10**
Senior		
Fall		
HSM 390	Applied Decision-Making in Interprofessional Education	3
	Hours	**3**
Spring		
HSM 391	Interprofessional Internship	3
	Hours	**3**
	Total Hours	**61**

Undergraduate Policies and Procedures

Please see Undergraduate Policies and Procedures (https://catalog.luc.edu/academic-standards-regulations/undergraduate/) for academic policies that supersede those of academic units within the University.

Learning Outcomes

- Demonstrate a comprehensive understanding of core biological, physical, social science and liberal arts principles and their applications to contemporary health challenges.
- Utilize critical thinking and problem-solving skills to address complex health challenges through interdisciplinary collaboration and culturally responsive approaches.
- Integrate knowledge of healthcare systems, public health, policy, and ethics to evaluate health disparities and propose solutions that promote equitable access to care.
- Develop effective written and verbal communication skills to convey health information accurately to diverse audiences including patients, communities, and healthcare professionals.