

Health Sciences

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The Health Sciences program provides students an in-depth science background, and an introduction to the health care field.

A core curriculum in the first and second year provides the students with a sound understanding of liberal arts, biology, chemistry, mathematics, physics, assessment, care and prevention, along with our hands-on experiences in labs, and opportunities for internships provide the necessary framework.

Goal:

To prepare students to meet the entrance requirements of graduate schools in areas such as physical therapy, occupational therapy, physician's assistant, medicine, public health, exercise sciences, biomechanics, and hospital administration.

Outcomes:

- Earn advanced certification in cardiopulmonary resuscitation and automatic external defibrillator (CPR/AED) administration.
- Develop strong writing skills in the production of scientific literature.
- Demonstrate proficiency in skills required for entry-level patient care.
- Reference literature as appropriate for profession.
- Be able to critically appraise scientific literature in the health care field.
- Effectively communicate with health professions and the community on a variety of topics in health care.
- Make sound, ethically-based decisions in topics of health care.
- Demonstrate the ability to organize, lead, and work within an inter-professional team on a variety of health care initiatives.

Careers for this Major:

- Hospitals
- International healthcare organizations
- Research facilities
- Universities

Major

B.S. in Health Sciences - Curriculum Map 2018-2019 Catalog

Print PDF Curriculum Map

Course	Cr.Comp	Course	Cr.Comp
FRESHMAN			
Fall		Spring	
BI 101 Principles of Biology I (General Education Lab Science)	4	BI 102 Principles of Biology II (General Education Lab Science)	4
EN 101 Composition and Literature I	3	EN 102 Composition and Literature II	3
MA 232 Elementary Statistics (General Education Math)	3	SM 139 Health Science Research Methods ²	2
SM 136 Emergency Care, Injury/Illness ²	3	SM 220 Care and Prevention of Athletic Injuries ²	4
SM 138 Introduction to Sports Medicine ²	3	General Education History (http://catalog.norwich.edu/residentialprograms/catalog/generaleducationgoals)	3
Fall Semester Total Cr.:		Spring Semester Total Cr.:	
16		16	
SOPHOMORE			
Fall		Spring	
BI 215 Human Anatomy & Physiology I ²	4	BI 216 Human Anatomy & Physiology II ²	4
CH 103 General Chemistry I	4	CH 104 General Chemistry II	4
MA 107 Precalculus Mathematics	4	SM 230 Fundamentals of Evidence-Based Practice ²	2
PY 211 Introduction to Psychology (General Education Social Science)	3	PE 163 Scientific Foundations of Health and Wellness ²	3
General Education Leadership (http://catalog.norwich.edu/residentialprograms/catalog/generaleducationgoals)	1-3	General Education Literature (http://catalog.norwich.edu/residentialprograms/catalog/generaleducationgoals)	3

Fall Semester Total Cr.:	16-18	Spring Semester Total Cr.:	16
JUNIOR			
Fall		Spring	
PS 201 General Physics I	4	PS 202 General Physics II	4
PE 365 Kinesiology ²	4	PE 371 Physiology of Exercise ²	4
SM 420 Therapeutic Modalities ²	4	SM 422 Therapeutic Exercise ²	4
General Education Arts & Humanities (http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals)	3	CH 205 Survey of Organic Chemistry or BI 364 Pathophysiology in Sports Medicine	4
Fall Semester Total Cr.:	15	Spring Semester Total Cr.:	16
SENIOR			
Fall		Spring	
SM 210 Assessment of Injury and Illness ²	4	BI 364 Pathophysiology in Sports Medicine or CH 205 Survey of Organic Chemistry	4
SM 439 Leadership & Management in Sports Medicine	3	SM 451 Capstone Experience II (General Education Capstone) ²	1
SM 450 Capstone Experience I (General Education Capstone) ²	1	Free Electives or Internship ¹	9-12
Biology Elective	4		
Free Elective ¹	3		
Fall Semester Total Cr.:	15	Spring Semester Total Cr.:	14-17
TOTAL CREDITS FOR THIS MAJOR: 124-129			

- ¹ SM 426 (<https://currentcatalog.norwich.edu/residentialprogramscatalog/collegeofscienceandmathematics/athletictrainingandsportsmedicine>) Internship may be taken by qualified students during the junior or senior year in place of two or three Free Elective credits.
- ² Courses must be taken in order presented and passed with a grade of C or higher before progressing in the program.