

Health Sciences Curriculum Overview

The Health Science program of study is designed to provide students with two pathways for preparation in health careers.

Pre-Professional Health Careers

The Pre-Professional Pathway prepares you for graduate or professional study in medical school, physical therapy, occupational therapy, physicians' assistant and other health-related programs. Students take a core of health-related courses, with ample flexibility to select courses needed for admission into your chosen field of post-baccalaureate study.

Accelerated Master's in Athletic Training

The Accelerated Master's in Athletic Training pathway prepares you for a career in athletic training through our innovative 3+2 program. Students complete both a bachelor's in Health Science and master's in Athletic Training in five years. Your fourth year serves as both the senior year of the bachelor's in Health Science and the first year of the master's degree in Athletic Training, as long as you meet admission criteria for the graduate program.

Goal:

To prepare students to meet the entrance requirements of graduate schools in areas such as athletic training, 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.
- Demonstrate an understanding of biological and physical sciences that are foundational to human health.

This Major prepares a student for post-graduate study in the following fields:

- Athletic Training
- Osteopathic Medicine
- Physical Therapy
- Chiropractic
- Occupational Therapy
- Physician Assistant
- Nursing
- Healthcare Administration

Health Sciences Major Pre-Health Professions

Health Sciences Pre-Health Professions Track (B.S.) – Curriculum Map 2021-2022 Catalog

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 110 Writing and Inquiry in Public Contexts	3	EN 111 Writing and Inquiry in Academic Contexts	3
HHPR 138 Introduction to Health Professions	3	HHPR 101 Scientific Foundations of Health and Wellness	3
MA 107 Precalculus Mathematics (General Education Mathematics) ²	4	HHPR 136 Emergency Care of Injury and I	3
PY 211 Introduction to Psychology (General Education Social Science)	3	General Education Arts & Humanities (http://catalog.norwich.edu/residentialprograms/catalog/generaleducationgoals/)	3
Fall Semester Total Cr.:	17	Spring Semester Total Cr.:	16
SOPHOMORE			
Fall		Spring	
BI 215 Human Anatomy & Physiology I ^c	4	BI 216 Human Anatomy & Physiology II ^c	4
CH 103 General Chemistry I	4	CH 104 General Chemistry II	4
HHPR 139 Health Science Research Methods	3	HHPR 214 Clinical Anatomy	3
MA 232 Elementary Statistics	3	HHPR 256 Fundamentals of Epidemiology	3
		PH 350 Medical Ethics (General Education Ethics)	3
Fall Semester Total Cr.:	14	Spring Semester Total Cr.:	17
JUNIOR			
Fall		Spring	
HHPR 212 Health Promotion	3	HHPR 200 Foods and Nutrition	4

HHPR 365 Kinesiology	4	HHPR 301 Physiology of Exercise	4
Health Science Course ^{1c}	4	HHPR 439 Leadership & Management in Healthcare ²	3
General Education History (http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals/)	3	Health Science Course ^{1c}	4
		General Education Leadership (http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals/)	1-3
Fall Semester Total Cr.:	14	Spring Semester Total Cr.:	16-18
SENIOR			
Fall		Spring	
HHPR 265 Lifelong Motor Development	3	HHPR 450 Evidence - Based Healthcare (General Education Capstone)	3
Free Elective	4	Health Science Course ^{1c}	4
Free Elective	3	HHPR 426 Internship (or Free Electives)	6
General Education Literature (http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals/)	3		
Fall Semester Total Cr.:	13	Spring Semester Total Cr.:	13
TOTAL CREDITS FOR THIS MAJOR: 120-122			

c Grade of C or higher required.

¹ Health Science Electives (12 credits required) BI 220, BI 303, BI 370, CH 225, CH 226, MA 122 or higher, HHPR 410, HHPR 408, HHPR 426, PS 201, PS 202, PS 211, PS 212

² One class in MA 107, MA 108, MA 121

Health Sciences Major Accelerated Master's

Health Sciences Accelerated Master's in Athletic Training Track (B.S.) – Curriculum Map 2020-2021 Catalog

Course	Cr. Comp.	Course	Cr. Comp.
FRESHMAN			
Fall		Spring	
BI 101 Principles of Biology I ¹	4	BI 102 Principles of Biology II ¹	4
EN 110 Writing and Inquiry in Public Contexts	3	EN 111 Writing and Inquiry in Academic Contexts	3
HHPR 138 Introduction to Health Professions	3	HHPR 101 Scientific Foundations of Health and Wellness	3
PY 211 Introduction to Psychology ¹	3	HHPR 136 Emergency Care of Injury and I	3
MA 107 Precalculus Mathematics (General Education Mathematics)	4	General Education Arts & Humanities (http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals/)	3
Fall Semester Total Cr.:	17	Spring Semester Total Cr.:	16
SOPHOMORE			
Fall		Spring	
BI 215 Human Anatomy & Physiology I ¹	4	BI 216 Human Anatomy & Physiology II ¹	4
CH 103 General Chemistry I ¹	4	CH 104 General Chemistry II ¹	4
HHPR 139 Health Science Research Methods	3	HHPR 256 Fundamentals of Epidemiology	3
General Education Literature (http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals/)	3	HHPR 214 Clinical Anatomy	3
MA 232 Elementary Statistics (General Education Mathematics)	3	PH 350 Medical Ethics	3

Fall Semester Total Cr.:		17	Spring Semester Total Cr.:		17
JUNIOR					
Fall			Spring		
PS 201 General Physics I ¹	4		HHPR 200 Foods and Nutrition	4	
HHPR 212 Health Promotion ¹	3		HHPR 439 Leadership & Management in Healthcare	3	
HHPR 265 Lifelong Motor Development ¹	3		HHPR 301 Physiology of Exercise ¹	4	
HHPR 365 Kinesiology ¹	4		PS 202 General Physics II	4	
General Education History (http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals/)	3		General Education Leadership (http://catalog.norwich.edu/residentialprogramscatalog/generaleducationgoals/)	1-3	
Fall Semester Total Cr.:		17	Spring Semester Total Cr.:		16-18
SENIOR					
Fall			Spring		
HHPR 501 Athletic Training in Healthcare ²	1		HHPR 450 Evidence - Based Healthcare ²	3	
HHPR 502 Musculoskeletal Evaluation and Interventions ²	4		HHPR 507 Care of Orthopedic Injuries II ²	4	
HHPR 503 Clinical Experience in Athletic Training I ²	2		HHPR 508 Therapeutic Interventions II ²	4	
HHPR 504 Advanced Emergency Management ²	2		HHPR 509 Clinical Experience in Athletic Training II ²	3	
HHPR 505 Care of Orthopedic Injuries	4		HHPR 510 Simulation in Athletic Training I ²	1	
HHPR 506 Therapeutic Interventions	3				
Fall Semester Total Cr.:		16	Spring Semester Total Cr.:		15
TOTAL CREDITS FOR THIS MAJOR: 131-133					

¹ Students pursuing a Master of Athletic Training (<http://catalog.norwich.edu/residentialprogramscatalog/collegeofscienceandmathematics/athletictrainingandsportsmedicine/>) (Available 2022-23) must complete these courses with a grade of C+ or higher.

² Courses must be passed with a grade of C or higher in order to satisfy the undergraduate degree.