

Health Sciences

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The Bachelor of Science in Health Science 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.

Careers for this Major:

- Hospitals
- International healthcare organizations
- Research facilities
- Universities

Health Sciences Major-Pre-Professional Health Sciences Pre-Professional Track (B.S.) – Curriculum Map 2020-2021 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 101 Composition and Literature I | 3 | EN 102 Composition and Literature II | 3 |
| MA 232 Elementary Statistics (General Education Math) | 3 | HE 136 Emergency Care of Injury and I | 3 |
| PY 211 Introduction to Psychology (General Education Social Science) | 3 | PE 163 Scientific Foundations of Health and Wellness | 3 |
| HE 138 Introduction to Health Professions | 3 | General Education Arts & Humanities (http://catalog.norwich.edu/archives/2020-2021/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 |
| General Education Literature (http://catalog.norwich.edu/archives/2020-2021/residentialprograms/catalog/generaleducationgoals/) | 3 | HE 214 Clinical Anatomy | 3 |
| HE 139 Health Science Research Methods | 3 | HE 256 Fundamentals of Epidemiology | 3 |
| MA 107 Precalculus Mathematics (General Education Math) | 4 | PH 350 Medical Ethics (General Education Ethics) | 3 |
| Fall Semester Total Cr.: | | Spring Semester Total Cr.: | |
| 18 | | 17 | |
| JUNIOR | | | |
| Fall | | Spring | |
| PS 201 General Physics I | 4 | PS 202 General Physics II | 4 |

| | | | |
|---|----|--|-------|
| General Education History (http://catalog.norwich.edu/archives/2020-2021/residentialprograms/catalog/generaleducationgoals/) | 3 | HE 200 Foods and Nutrition | 4 |
| HE 212 Health Promotion | 3 | HE 439 Leadership & Management in Healthcare ² | 3 |
| Course from Track ¹ | 4 | Course from Track ¹ | 4 |
| | | General Education Leadership (http://catalog.norwich.edu/archives/2020-2021/residentialprograms/catalog/generaleducationgoals/) | 1-3 |
| Fall Semester Total Cr.: | 14 | Spring Semester Total Cr.: | 16-18 |
| SENIOR | | | |
| Fall | | Spring | |
| PE 265 Lifelong Motor Development | 3 | PE 371 Physiology of Exercise ² | 4 |
| PE 365 Kinesiology ² | 4 | Course from Track ¹ | 4 |
| Course from Track ¹ | 4 | Course from Track ¹ | 4 |
| Course from Track ¹ | 4 | HE 450 Evidence - Based Healthcare (General Education Capstone) | 3 |
| Fall Semester Total Cr.: | 15 | Spring Semester Total Cr.: | 15 |
| TOTAL CREDITS FOR THIS MAJOR: 127-129 | | | |

- 1 Choose 24 credits from this Course Track list :
 BI 220, BI 303, BI 370, CH 205, CH 225, CH 226, HE 310, MA 121, MA 122, PE 441, PE 450, SM 426
 OR
 Choose 12 credits minimum from HE 501, HE 502, HE 503, HE 504, HE 505, HE 506, HE 507, HE 508, HE 509, HE 510, as Free Electives toward the Pre-Professional Track.
- 2 Courses must be passed with a grade of C or higher before progressing in the program.

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 101 Composition and Literature I | 3 | EN 102 Composition and Literature II | 3 |
| HE 138 Introduction to Health Professions | 3 | General Education Arts & Humanities (http://catalog.norwich.edu/archives/2020-2021/residentialprograms/catalog/generaleducationgoals/) | 3 |
| MA 232 Elementary Statistics | 3 | HE 136 Emergency Care of Injury and I | 3 |
| PY 211 Introduction to Psychology ¹ | 3 | PE 163 Scientific Foundations of Health and Wellness | 3 |
| Fall Semester Total Cr.: | 16 | Spring Semester Total Cr.: | 16 |
| SOPHOMORE | | | |
| Fall | | Spring | |
| BI 215 Human Anatomy & Physiology I ^{1,2} | 4 | BI 216 Human Anatomy & Physiology II ¹ | 4 |
| CH 103 General Chemistry I ¹ | 4 | CH 104 General Chemistry II ¹ | 4 |
| General Education Literature (http://catalog.norwich.edu/archives/2020-2021/residentialprograms/catalog/generaleducationgoals/) | 3 | HE 256 Fundamentals of Epidemiology | 3 |
| HE 139 Health Science Research Methods | 3 | HE 214 Clinical Anatomy | 3 |
| MA 107 Precalculus Mathematics | 4 | PH 350 Medical Ethics | 3 |
| Fall Semester Total Cr.: | 18 | Spring Semester Total Cr.: | 17 |

| JUNIOR | | | |
|---|----|--|-------|
| Fall | | Spring | |
| PS 201 General Physics I ¹ | 4 | HE 200 Foods and Nutrition | 4 |
| PE 265 Lifelong Motor Development ¹ | 3 | HE 439 Leadership & Management in Healthcare ² | 3 |
| PE 365 Kinesiology ^{1,2} | 4 | PE 371 Physiology of Exercise ^{1,2} | 4 |
| General Education History (http://catalog.norwich.edu/archives/2020-2021/residentialprogramscatalog/generaleducationgoals/) | 3 | PS 202 General Physics II | 4 |
| HE 212 Health Promotion ¹ | 3 | General Education Leadership (http://catalog.norwich.edu/archives/2020-2021/residentialprogramscatalog/generaleducationgoals/) | 1-3 |
| Fall Semester Total Cr.: | 17 | Spring Semester Total Cr.: | 16-18 |
| SENIOR | | | |
| Fall | | Spring | |
| HE 501 Athletic Training in Healthcare ² | 1 | HE 450 Evidence - Based Healthcare ² | 3 |
| HE 502 Musculoskeletal Evaluation and Interventions ² | 4 | HE 507 Care of Orthopedic Injuries II ² | 4 |
| HE 503 Clinical Experience in Athletic Training I ² | 2 | HE 508 Therapeutic Interventions II ² | 4 |
| HE 504 Advanced Emergency Management ² | 1 | HE 509 Clinical Experience in Athletic Training II ² | 3 |
| HE 505 Care of Orthopedic Injuries I ² | 4 | HE 510 Simulation in Athletic Training I ² | 1 |
| HE 506 Therapeutic Interventions I ² | 3 | | |
| Fall Semester Total Cr.: | 15 | Spring Semester Total Cr.: | 15 |
| TOTAL CREDITS FOR THIS MAJOR: 130-132 | | | |

¹ Students pursuing a Master of Athletic Training (<http://catalog.norwich.edu/archives/2020-2021/residentialprogramscatalog/collegeofscienceandmathematics/athletictrainingandsportsmedicine/>) (Available 2021-22) 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.