

Health Science

Degree Type

Associate in Science

The Associate in Science degree in Health Science, has been designed for students who have a desire to work in the healthcare industry. The Health Science program provides a high-quality education that includes communication skills, critical thinking, problem-solving, an understanding of the diverse needs of the evolving healthcare industry and prepares student to enter the next step of their healthcare education. It strives to meet the individual goals of the students in the program while providing a foundation of core classes that are necessary for any healthcare career and/or profession.

Students have options to follow a Pre-Nursing or Public Health Informatics Technology pathway as well as the general Health Science pathway. Contact the program coordinator for specific course sequencing information on the pathways.

Upon the completion of the degree in Health Science, graduates will be able to:

1. The student will communicate effectively and fluently; read with comprehension; listen, speak and write competently.
2. The student will develop skills in reflection, analysis, logical reasoning, and evaluation to formulate judgments, reach conclusions, and solve problems.
3. The student will evaluate and utilize quantitative and qualitative data and apply mathematical and scientific principles and methods.
4. The student will utilize technology to locate, evaluate, organize, and utilize information accurately and responsibly.
5. The student will acquire knowledge and skills that will enable respect for diversity as well as an awareness of global interdependency.
6. The student will formulate a plan for personal and professional growth in a health-related career.
7. The student will articulate the importance and necessity of lifelong learning in particular as it applies to health-related fields.

In addition, the graduate will be able to demonstrate competency in the general education outcomes.

Residency Requirements

At least 15 semester credits must be taken at Nashua Community College not including transfer credits. A minimum of 8 credits of coursework in the program must be completed at the "200" level.

Admission Requirements

Applicants must:

- Be high school graduates or have the GED equivalent.
- Submit an application for admission and have official transcripts forwarded to Nashua Community College by secondary and post-secondary institutions previously attended.
- Participate in the ACCUPLACER® Placement Assessment test when appropriate.

First Year - Fall Semester

| Item # | Title | Class Hours | Lab Hours | Credits |
|----------|----------------------------|-------------|-----------|---------|
| BIOL201N | Anatomy & Physiology I | 3 | 3 | 4 |
| ENGL101N | College Composition | 4 | 0 | 4 |
| HLTH110N | Medical Terminology | 3 | 0 | 3 |
| PSYC101N | Introduction to Psychology | 3 | 0 | 3 |

First Year - Spring Semester

| Item # | Title | Class Hours | Lab Hours | Credits |
|----------|--|-------------|-----------|---------|
| BIOL202N | Anatomy & Physiology II | 3 | 3 | 4 |
| PSYC201N | Human Growth & Development | 3 | 0 | 3 |
| MATH106N | Statistics I | 4 | 0 | 4 |
| | Humanities/Fine Arts/Philosophy or Global Awareness | | | 3 |
| | English/Communications Elective | | | 3 |

Second Year - Fall Semester

| Item # | Title | Class Hours | Lab Hours | Credits |
|----------|--|-------------|-----------|---------|
| BIOL210N | Medical Microbiology | 3 | 3 | 4 |
| | Specialty and Support Courses: (As appropriate to student's career plans) | | | 11 |

Second Year - Spring Semester

| Item # | Title | Class Hours | Lab Hours | Credits |
|--------|--|-------------|-----------|---------|
| | Specialty and Support Courses: (As appropriate to student's career plans) | | | 14 |

Public Health Informatics Technology

The field of Public Health Informatics and Technology (PHIT) focuses on collecting, storing, managing, analyzing, using, and sharing public health data to more efficiently and effectively impact population health. Experts in PHIT, often referred to as public health informatics specialists or public health informaticians, use data analytics, visualization skills, and technology to innovatively solve public health problems.

This Health Science degree with a pathway in PHIT, is designed to be transferable to University of Massachusetts/Lowell where students can complete their Baccalaureate degree in Public Health/ Public Health Informatics and Technology. You will then be prepared to enter this emerging field of public health and make a difference through work in health departments, nonprofits, community health centers and other health care settings.

First Year - Fall Semester

| Item # | Title | Class Hours | Lab Hours | Credits |
|----------|-------------------------------|-------------|-----------|---------|
| ENGL101N | College Composition | 4 | 0 | 4 |
| BIOL201N | Anatomy & Physiology I | 3 | 3 | 4 |
| PSYC101N | Introduction to Psychology | 3 | 0 | 3 |
| HLTH105N | Introduction to Public Health | 3 | 0 | 3 |

First Year - Spring Semester

| Item # | Title | Class Hours | Lab Hours | Credits |
|----------|--|-------------|-----------|---------|
| BIOL202N | Anatomy & Physiology II | 3 | 3 | 4 |
| PSYC201N | Human Growth & Development | 3 | 0 | 3 |
| MATH106N | Statistics I | 4 | 0 | 4 |
| HLTH205N | US Healthcare System | 3 | 0 | 3 |
| HLTH210N | Public Health Informatics and Technology | 2 | 2 | 3 |

Second Year - Fall Semester

Speak with the program advisor for specialty & support course recommendations. 3 credits of specialty and support for this semester.

| Item # | Title | Class Hours | Lab Hours | Credits |
|----------|---|-------------|-----------|---------|
| BIOL210N | Medical Microbiology | 3 | 3 | 4 |
| ENGL102N | College Composition II: Writing About Literature | 3 | 0 | 3 |
| | Humanities/Fine Arts/Philosophy or Global Awareness | | | 3 |
| | Behavioral Social Science Elective | | | 3 |
| | Specialty and Support Courses: (As appropriate to student's career plans) | | | 3 |

Second Year - Spring Semester

Speak with the program advisor for specialty & support course recommendations. 13 credits of specialty and support for this semester.

| Item # | Title | Class Hours | Lab Hours | Credits |
|--------|---|-------------|-----------|---------|
| | Specialty and Support Courses: (As appropriate to student's career plans) | | | 13 |

Pre-Nursing Pathway

Health Science students that successfully complete the sequence of courses below, maintain a minimum of 3.0 CGPA, earn acceptable TEAS scores, submit their application for the nursing program and complete all nursing admission requirements by the February 1, 2025 deadline, will be eligible for priority acceptance to the nursing program. **Priority acceptance does not guarantee admittance into the NCC Nursing Program.*

See link below:

<https://nashuacc.edu/admissions/online-application/>

*Minimum grades of C+ are required for Science and Psychology courses.

Students may take more classes in a semester as the goal is to complete all the general education courses within one academic year.

This is a recommended sequence:

Fall Semester

*Minimum grades of C+ are required for Science and Psychology courses.

| Item # | Title | Class Hours | Lab Hours | Credits |
|----------|----------------------------|-------------|-----------|---------|
| BIOL201N | Anatomy & Physiology I | 3 | 3 | 4 |
| ENGL101N | College Composition | 4 | 0 | 4 |
| PSYC101N | Introduction to Psychology | 3 | 0 | 3 |

Winter Session or Spring Semester

| Item # | Title | Class Hours | Lab Hours | Credits |
|--------|---------------------------------|-------------|-----------|---------|
| | English/Communications Elective | | | 3 |

Spring Semester

*Minimum grades of C+ are required for Science and Psychology courses.

| Item # | Title | Class Hours | Lab Hours | Credits |
|----------|----------------------------|-------------|-----------|---------|
| BIOL202N | Anatomy & Physiology II | 3 | 3 | 4 |
| MATH106N | Statistics I | 4 | 0 | 4 |
| PSYC201N | Human Growth & Development | 3 | 0 | 3 |

Summer Semester

*Minimum grades of C+ are required for Science and Psychology courses.

| Item # | Title | Class Hours | Lab Hours | Credits |
|---------------|--|-------------|-----------|---------|
| BIOL210N | Medical Microbiology | 3 | 3 | 4 |
| | Humanities/Fine Arts/Philosophy or Global Awareness | | | 3 |
| Total Credits | | | | 60 |