

HEALTH SCIENCE (AS)

Program Overview

Associate in Science Degree

The Associate in Science in Health Science curriculum is designed to introduce students to health sciences and prepare them to transfer into several degree-granting health science programs at NEIT. The program introduces students to fundamental concepts in the sciences and acquaints them with healthcare disciplines and the many skills that are germane to each discipline; and, it better prepares students to enter into the following associate-level Health Sciences programs:



Medical Laboratory Technician

- Nursing
- Occupational Therapy Assistant
- Paramedic Technology
- Physical Therapist Assistant
- Respiratory Care
- Veterinary Technology

The program includes studies in core curriculum courses in anatomy and physiology, biology, medical terminology, and electronic medical records. Students will take courses that expose them to the experiences of healthcare providers among many specialties.

At the end of the second and third term, students will have the foundational knowledge to assist them to transfer into another NEIT associate degree health science program. For those students who do not transfer into another major at the end of term three, may continue in the Health Science associate degree program.

Upon completion of one of the associate degree granting health science programs, graduates are prepared for positions in a variety of healthcare settings, medical offices or to continue their education in one of our health science bachelor's programs.

Curriculum

Course	Title	Quarter Credit Hours
Term I		
BIO 116	Introduction to Biology	4
HS 105	Successful Study Skills for Healthcare Professionals	2

HS 107	Medical Terminology	2
MA 100	Introduction to College Math with Lab (MA/SCI Core) ¹	4

Choose one of the following: 3

HS 111	Introduction to Health Careers	
MGM 111	Workplace Technology	

Quarter Credit Hours 15

Term II

HS 121	Assessment and Pharmacology	4
EN 100	Introduction to College Writing (COM Core) ¹	4

Elective 100-200 Level Humanities Core¹ 4

Choose one of the following options (depending upon program choice): 4-6

Option 1 - Required for future MLT, OTA, RC, & ST students.

BIO 100	Anatomy & Physiology I	
BIO 101	Anatomy and Physiology I Lab	

Option 2 - Required for future NUR, PAR, or PTA students

BIO 107	Comprehensive Anatomy and Physiology I and Lab	
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Option 3 - Or, students who intend to finish the HS degree.²

HS 104	Survey of Human Anatomy	
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Option 4 - Required for future VET students.

BIO 122	Microbiology and Lab	
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Quarter Credit Hours 16-18

Term III

AHS 201	Introduction to Medical Ethics and Bioethics	3
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MGM 105	Effective Teams and Projects	3
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EN 110	Health Science Communications (COM Core) ¹	4
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Choose one of the following options (depending upon program choice): 6

Option 1

BIO 120	Anatomy & Physiology II	
BIO 121	Anatomy and Physiology II Lab	

Option 2 - Required for future NUR students³

BIO 127	Comprehensive Anatomy and Physiology II and Lab	
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Quarter Credit Hours 16

Term IV

HS 241	Medical Office Administration and Management	3
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HS 262	Electronic Health Records	5
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MGM 133	Principles of Management	4
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MA 121	Business Math (MA/SCI Core) ¹	4
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Quarter Credit Hours 16

Term V

HS 251	Medical Insurance	4
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HS 252	Fundamentals of Pathophysiology	4
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HS 254	Introduction to Research in the Health Sciences	4
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SS 274	Human Relations in the Workplace	4
Quarter Credit Hours		16
Term VI		
HS 261	Medical Office Practice Management	4
HS 263	Externship	5
Elective	100-200 Level Humanities Core ¹	4
SS 272	Psychology of Healthcare	4
Quarter Credit Hours		17
Total Quarter Credit Hours		96-98

¹ Liberal Arts Core.

² Students that have met the grade requirements for their program of choice will transfer into that program at the end of Term II. Students who do not meet the requirements of their program of choice may continue in the HS program.

³ For potential Nursing students, you may take the Kaplan assessment in midterm, having met the transfer grade course requirements. Those students that do not meet the requirements to transfer into a program of choice, they may continue in the HS program.

Legend

C = Number of lecture hours per week

L = Number of laboratory hours per week

T = Total Quarter Credit Hours where each lecture hour per week is one credit, every 2-4 laboratory hours are one credit depending on the expected amount of pre- or post-lab work.

All associate degree students are required to take 32 credits of liberal arts and math/science courses as selected from the liberal arts core. See the course descriptions section of this catalog for a list of the core area courses. Students who place out of MA 109 Math for Life Science must still take 32 credits of core courses.

Subject to change.

Program Mission, Goals, and Outcomes

Program Mission

The mission of the Health Science program is to introduce students to the core areas of health sciences and to help them relate the scientific theory to a variety of practices in the healthcare field. The program prepares students for positions in a variety of healthcare settings or to further their education.

Program Goals

The Health Science Associate Degree Program will provide students with the skills needed to:

1. Relate basic science to functions necessary in health science professions.
2. Develop the ability to think critically.
3. Recognize the importance of culture in health.
4. Explain the role of interprofessional education and teams.
5. Understand the complexities of healthcare systems.

Program Outcomes

Graduates of this program will be able to:

1. Demonstrate a fundamental understanding of the basic health sciences.
2. Participate in the role of interprofessional education and teams.
3. Demonstrate professional communication skills, both written and oral.
4. Work collaboratively within the healthcare environment.
5. Discuss/apply the key aspects of the practice of healthcare according to ethically sound principles.

Q&A and Technical Standards

Questions & Answers

1. When do my classes meet?

Courses meet either during the day, the evening or online and are considered either technical or liberal arts.

Day Classes: Classes in your major normally usually meet for at least three hours a day for up to five days a week. Classes normally may begin in the early morning (7:45 a.m.), late morning (usually 11:25 a.m.), or mid-afternoon (usually around 2:30 p.m.). The time slot for your program may vary from term to term.

Evening Classes: Some programs have major classes that meet on the average of three nights a week, although there may be times when they will meet four nights a week. Classes normally begin at 5:45 p.m.

Online Classes: Online courses are available in many programs and in the liberal arts. Online courses do not have set times to meet but provide great flexibility for the student. All have weekly due dates and submissions.

NOTE: some majors require off-site clinical/fieldwork experiences or optional internship opportunities that may be held at employer worksites and at employer designated times.

Courses in your major: You will need to take a minimum of 60 credits in your major.

Liberal Arts: You will take a total of approximately eight liberal arts courses. Each liberal arts course meets approximately four hours per week. Liberal arts courses are offered days, evenings, Saturdays and online.

At the beginning of each term you will receive a detailed schedule giving the exact time and location of all your classes. The College requires that all students be prepared to take classes and receive services at any of NEIT's campuses.

When a regularly scheduled class falls on a day which is an NEIT observed holiday (Labor Day, Columbus Day, Veterans Day, Martin Luther King Jr. Day, President's Day, and Memorial Day), an alternate class will be scheduled as a make up for that class. The make-up class may fall on a Friday or be scheduled online. It is the student's responsibility to take note of when and where classes are offered.

2. How large will my classes be?

The average class size is approximately 20 to 25 students; however, larger and smaller classes occur from time to time.

3. How much time will I spend in lab?

Almost half of the courses in your major consist of laboratory work. In order for you to get the most out of your laboratory experiences, you will first receive a thorough explanation of the theory behind your lab work.

4. Where do my classes meet?

Students should be prepared to attend classes at any of NEIT's campuses: either at the Post Road, Access Road, or East Greenwich campus or at an off-campus clinical/fieldwork/internship location.

5. I have not earned my high school diploma or GED: can I enroll in an Associate Degree Program?

A candidate for admission to an associate degree program must have a high school diploma, have earned a recognized general equivalency diploma (GED), or meet the federal home school requirements.

6. How long should it take me to complete my program?

To complete your degree requirements in the shortest possible time, you should take the courses outlined in the prescribed curriculum. For a typical six-term curriculum, a student may complete the requirements in as little as 18 months. For a typical seven-term curriculum, a student may complete the requirements in as little as 21 months. Students are encouraged to work closely with their Student Advisor to ensure that they complete their degree requirements in the shortest possible time.

Students may also elect to complete some of their liberal arts requirements during Intersession (except for EN courses), a five-week term scheduled between Spring and Summer terms. Students will not be assessed any additional tuition for liberal arts courses taken during the Intersession but may be assessed applicable fees.

Students wishing to extend the number of terms needed to complete the required courses in their major will be assessed additional tuition and fees.

7. Is NEIT accredited?

NEIT is accredited by the New England Commission of Higher Education (NECHE). Accreditation by NECHE is recognized by the federal government and entitles NEIT to participate in federal financial aid programs. Some academic departments have specialized professional accreditations in addition to accreditation by NECHE. For more information on accreditation, see NEIT's catalog.

8. Can I transfer the credits that I earn at NEIT to another college?

The transferability of a course is always up to the institution to which the student is transferring. Students interested in the transferability of their credits should contact the Student Affairs Office of the institution that they are transferring to for further information.

9. Can I transfer credits earned at another college to NEIT?

Transfer credit for appropriate courses taken at an accredited institution will be considered for admission based on the following table and upon receipt of an official transcript:

Course	Age of Course	MLT	NUR	OTA	PTA	RC	ST	HS	Other
English	10	B	B	B	B	B	B	B	C
Community Relations	10								
Liberal Arts Courses	old								
Math	3	B	B	B	B	B	B	B	C
Course years old									
Biology	3	C	B	C+	C	B	C+	C	
Course years old									

Major	3	C	B-	C+	C	B-	C+	C	C
Course years old									

The Office of Teaching and Learning maintains the prerogative to waive these requirements based upon individual review.

An official transcript from the other institution must be received before the end of the first week of the term for transfer credit to be granted for courses to be taken during that term. Students will receive a tuition reduction for the approved major courses based on the program rate and will be applied against the final major term of the curriculum's tuition amount. No tuition credit is provided for courses which are not a part of the major curriculum. If the student has a degree from another institution, every opportunity will be reviewed to give the student as many transfer credits as possible for liberal arts courses (math, science, English, humanities, and social sciences) regardless of the age of the degree. Courses in the major will be reviewed individually for relevancy.

10. What is the "Feinstein Enriching America" Program?

New England Institute of Technology is the proud recipient of a grant from the Feinstein Foundation. To satisfy the terms of the grant, the university has developed a one-credit community enrichment course which includes hands-on community enrichment projects. The course can be taken for a few hours per term, spread over several terms. Students who are already engaged in community enrichment on their own may be able to count that service towards course credit.

11. How many credits do I need to be eligible for Financial Aid?

In order to be eligible for the maximum financial aid award, you need to maintain at least 12 credits per academic term.

12. What does my program cost?

The cost of your program will be as outlined in your tuition guarantee agreement, along with your cost for books and other course materials. Students who decide to take more terms than the tuition guarantee agreement describes to complete their program will be subject to additional fees and possible additional tuition costs. Students who elect to take the courses in their major at a rate faster than the rate prescribed in the curriculum and the tuition guarantee agreement will be assessed additional tuition.

Students who require prerequisite courses will incur additional tuition and fees above those outlined in their tuition guarantee agreement.

If a student elects to take a course(s) outside of the prescribed curriculum, additional tuition and fees will be assessed.

Remember, students who withdraw and re-enter, one time only, pay the tuition rate that was in effect for them at the time of their last day of attendance for up to one year from their last day of attendance. Second re-entries and beyond pay the tuition rate in effect at the time they re-enter. The most economical way for you to complete your college degree is to begin your program now and continue your studies straight through for the terms necessary to complete your degree requirements.

13. What kind of employment assistance does NEIT offer?

The Career Services Office assists NEIT students and graduates in all aspects of the job search, including resume writing, interviewing skills, and developing a job search strategy. Upon completion of their program, graduates may submit a resume to the Career Services Office to be circulated to employers for employment opportunities in their fields. Employers regularly contact us about our graduates. In addition, our Career Services Office contacts employers to develop job leads. A strong

relationship with employers exists as a result of our training students to meet the needs of industry for over fifty years. No school can, and NEIT does not, guarantee to its graduates' employment or a specific starting salary.

14. Where will job opportunities exist?

Entry level positions are available in a wide variety of healthcare settings with an associate degree in Health Science. Graduates often seek additional education in various healthcare professions following completion of this degree program.

15. Will this program prepare me for a certification exam?

No.

16. What does the Associate in Science Degree in Health Science prepare me for?

Preparation for a career in Administrative Medical Office Assistant, or advanced studies in the Bachelor's in Business Management with a concentration in Healthcare Management.

17. Are there any additional activities/costs/immunizations/physical exams that I will need for this program?

Yes, students will need to see their physician and obtain documentation of valid vaccinations and appropriate titers. This cost is not covered by the college.

18. Is the COVID-19 vaccination required for the Health Science program?

The Health Science program clinical affiliates have different COVID-19 vaccination requirements than the university's requirements. The clinical affiliates have a responsibility to their employees and patients to minimize the risk of exposure to the COVID-19 virus. Therefore, all clinical affiliates require Health Science students to provide proof that they have received the COVID-19 vaccination along with one booster. If a student chooses not to be vaccinated the Health Science program may not be able to assign a student a clinical site. This will prevent the student from completing the program. Clinical sites may have exemptions for their employees; however, most clinical sites do not accept exemptions from students as they are guests at their facility.

If a clinical site has exemption requirements it is the student's responsibility to submit any required documents and follow the clinical affiliate's COVID-19 protocol. It is up to the clinical facility to grant or deny the exemption based on the documentation provided by the student. The university has no control over policies mandated by the clinical affiliates. Students may not know if their exemption is approved by a clinical site prior to the start of a term.

If an exemption is granted, individuals may also be asked to complete regular COVID-19 testing, often on a weekly basis. Additional PPE protocols may also be required. The student will assume responsibility for any additional costs associated with the exemption protocols.

Students may not be able to complete all of the clinical requirements at one clinical site. If a student needs to be assigned more than one clinical site, the student will need to apply for an exemption at each clinical site they are assigned to.

The failure to comply with the clinical affiliate's policies with regard to vaccination and/or exemption requirements will result in being dismissed from the Health Science program.

In the event the exemption is denied, the Health Science student will be unable to complete the Health Science program.

19. Do I need to maintain a certain grade point average?

Yes, the following academic policies apply for all students in the associate degree Health Science program.

1. Any student wishing to move into another Health Science Program (OTA, PAR, PTA, MLT, RC, VET, ST, NUR, must refer to those program grade minimums in question 21 below).
2. Every student enrolled in the Associate in Science Degree in Health Science must earn a minimum of a C+ (77%) in every HS, BIO and MA course, and a grade of C (73%) or better in EN all other courses throughout the program. A student who receives less than a C+ (77%) in any HS, BIO or MA course may not be able to advance to the next term if the course is a pre-requisite for another course. Students who need to repeat an HS course will be advised to repeat the course in the next term it is offered. Failing to achieve a required grade may delay a student's graduation date and may also have financial implications. Each student is responsible for meeting with Student Accounts and Financial Aid personnel to discuss his or her individual situation. A student must maintain a cumulative grade point average of at least 2.33 throughout the program. Inability to meet the 2.33 GPA will lead to dismissal.
3. Students who fail to achieve the above-stated grades must meet with the Health Science Department Chair and the Student Advisor for the Health Science program to discuss modifications to their class schedule.
4. A student may repeat only two failed HS courses (less than C+ or 77%) and one failed BIO course (less than C+ or 77%). If a student fails a repeated HS course (less than C+ or 77%) or a repeated BIO course (less than C+ or 77%), the student will be dismissed from the program.
5. A student who does not earn at least a C+ (77%) in three HSA courses or at least a C+ (77%) in two BIO courses over the course of the program, or a combination of three HSA and BIO courses, will be dismissed from the program.

20. Is there any assistance available if I have a disability?

NEIT's policy on assisting students with disabilities requires a student to meet with their Student Advisor to request the accommodation(s), and provide documentation supporting his/her request. Because course requirements can vary greatly, students must communicate their needs to their Student Advisor for each term, preferably before the term begins and request accommodations every term.

21. What is the criteria for transferring to another health science degree major from the Associate Degree in Health Science?

Students who attained the minimum Accuplacer or Kaplan score needed for entrance to another health science degree program may enter that program seamlessly. Your student advisor will guide you through the transfer process.

Students who did not meet the Accuplacer or Kaplan minimum scores for direct entry to their health science degree program of choice must do the following:

1. Complete the first two terms of the associate degree in HSA program.
2. Earn a minimum of C+ (77%) in all Term 1 and 2 HSA courses.
3. Earn minimum grades in other classes, according to the chart below.

- Earn the minimum GPA needed for your intended transfer program, according to the chart below.
- Retake and pass Accuplacer or Kaplan, as required by their intended transfer program.

Transfer to the program below from HSA:	EN	MA	MA	BIO	BIO	BIO	BIO	Program Cumulative GPA
	100	100	110	100	101	107	116	
OTA	C		C	C	C	C		2.33
PAR	C	C				C		2.00
PTA	C		C	C+	C+	C+		2.33
MLT	C	C		C	C	C		2.00
RC	D		B-	B-	B-	B-		2.67
VET	C	C					C	2.00
ST	C	C		C+	C+	C+		2.33
NUR AS-RN	B-	B-				B-		2.33
NUR-PN	C+	C+				C+		2.33

*****By exception and under the guidance of the HS Student Advisor, students may seek Department Chair consideration where minimal requirements are not met in items 2-5 above. Students looking to transfer into nursing must pass the Kaplan with the required minimum scores.**

Technical Standards

These technical standards set forth by the Health Science Department, establish the essential qualifications considered necessary for the students admitted to the program. The student must possess the following skills and abilities or be able to demonstrate that they can complete the requirements of the program with or without reasonable accommodation, using some other combination of skills and abilities.

Cognitive Ability

- Ability to learn, remember and recall detailed information and to use it for problem solving.
- Ability to deal with materials and problems such as organizing or reorganizing information.
- Ability to use abstractions in specific concrete situations.
- Ability to separate complex information into its component parts.
- Ability to comprehend basic mathematics principles.
- Ability to perform tasks by observing demonstrations.
- Ability to perform tasks following written and verbal instructions.

Communications Skills

- Ability to communicate effectively with faculty, patients, physicians and other members of the healthcare team.
- Ability to read English sufficiently to read college level textbooks and all materials delivered through the Canvas Learning System.
- Ability to demonstrate and use the knowledge acquired during the classroom training process to appropriately identify pertinent information and transmit the information, promptly, effectively, efficiently and sensitively to appropriate personnel.
- Ability to communicate in writing and in speech clearly and distinctly in English, including speaking to groups or individuals.

Adaptive Ability

- Ability to maintain emotional stability and the maturity necessary to interact with other members of the faculty, students and members of any healthcare team in a responsible manner.
- Ability to make decisions, follow written and oral instructions and complete assigned tasks within specified time limits.
- Ability to present oneself in a positive manner to new and changing situations with an open mind and flexibility.
- Ability to work in an environment and with a variety of cultures and people.
- Ability to perform learned skills, independently, with accuracy and completeness within reasonable time frames in accordance with accepted protocol.

Physical Ability

- Ability to independently move around in one's environment with or without adaptive aids.
- Ability to sit for 1-2 hours at a time with no breaks.
- Sufficient strength to perform CPR (Cardiopulmonary Resuscitation) on both adult and pediatric patients.
- Ability to wear and tolerate masks and gloves and other protective equipment used in the classroom.
- Sufficient motor function and sensory abilities to participate effectively in the classroom and labs
- Sufficient fine motor control to manipulate small equipment and instruments.
- Ability to grasp, lift and carry various items of equipment.

Sensory Ability

Visual

- Visual ability, to enable the student to work with visual material or visually presented classroom activities.

Auditory

- Acute enough to allow for successful receipt of verbal information shared between student, instructor and other peers or work colleagues, as well as participate in activities requiring sharing of information via telephone conference call or in person with and without others present.

Degree Progress Checklist

Health Science - AS

Degree Progress Checklists

- For students entering October 2024 or later
- For students entering July 2024 to September 2024
- For students entering July 2023 to June 2024
- For students entering July 2022 to June 2023
- For students entering January 2022 to June 2022
- For students entering July 2021 to December 2021
- For students entering April 2021 to June 2021
- For students entering January 2021 to March 2021