

Allied Health and Science Academy

The Allied Health and Science Academy prepares high school students interested in health occupations and the medical sciences through a rigorous specialized curriculum and community based partnerships. The courses in the academy introduce the students to the varied careers in healthcare, assist the students in identifying their interest and aptitudes, and provide them with the knowledge and skills necessary for post-secondary education leading to these careers.

Through a partnership with local hospitals and nursing homes, health-care providers, colleges and universities, the AHSA at Haverhill High School will enable students to investigate firsthand the careers available to them in healthcare.

A failure to adhere to the Haverhill High School code of conduct will result in a warning for the first offense, parental conference for the second offense, and dismissal from the academy for the third offense.

The goals of the Allied Health & Science Academy are...

- To *introduce* high school students to the varied careers available within the health field.
- To *assist* the students in their desire to pursue post-secondary education leading to careers in the allied health and science field.
- To *secure* the proper foundation in the fundamentals of health care that will enable students to obtain entry level positions in the industry.
- To *provide* competent, caring, compassionate healthcare employees

With the preparation the Academy presents, students may enter any of the following **post secondary** programs:

HEALTH CAREER OPTIONS:

Clinical Laboratory Sciences

Medical Technologist
Medical Laboratory Technician
Cytotechnologist
Histotechnician
Blood Bank Technology Specialist
Phlebotomist

Dentistry

Dentist
Dental Hygienist
Dental Assistant
Dental Laboratory Technician

Dietics and Nutrition

Dietitian
Nutritionist

Dietetic Technician
Dietary Manager

Health Information and Communication

Medical Record Administrator
Medical Record Technician
Medical Record Transcriptions
Medical Record Coder
Health Science Librarian

Health Services Administrative and Clerical Staff

Health Care Administrator
Health Unit Coordinator
Hospital Housekeeping Supervisor

MEDICAL CAREERS

Physician
Osteopathic Physician

Podiatric Physician
Physicians Assistant

Medical Office Personnel

Medical Assistant
Medical Secretary

Mental Health Professions

Psychologist
Psychiatric Technician/Aide
Mental Health Counselor
Social Work
Marriage & Family Therapist
Substance Abuse Counselor

NURSING

Licensed Practical Nurse
Registered Nurse
Nurse Practitioner
Nursing Asst./Patient Care Assistant
Home Health Aide

PHARMACY

Pharmacist
Pharmacy Technician
Pharmacology

RADIOLOGY

Radiologic Technologist
Nuclear Medicine Technologist
Radiation Therapy Technologist
Diagnostic Medical Sonographer

SCIENCE AND ENGINEERING

Biomedical Engineer
Biomedical Equipment Technician
Health Physicist
Radiation Protection Technician

SPECIAL TECHNOLOGIST AND SERVICES

Cardiovascular Technologist
Cardiopulmonary Technologist

Electrocardiographic Technician
Electroneurodiagnostic
Prosthetist/Orthotist
Surgical Technologist
Emergency Medical Technician
Paramedic

THERAPY

Occupational Therapist
Occupational Therapy Assistant
Physical Therapist
Physical Therapy Assistant
Respiratory Therapist
Respiratory Therapy Technician
Recreational Therapist
Music Therapist
Audiologist
Speech-Language Pathologist
Rehabilitation Counselor
Exercise Physiologist

VETERINARY SCIENCE

Animal Science
Veterinarian Technician
Veterinarian
Zoologist

VISION CARE

Optometrist
Optometrist Assistant/Technician
Ophthalmologist
Assistant/Technician/Technologist
Optician

Post secondary program offerings:

NORTHERN ESSEX COMMUNITY COLLEGE

A.S. - Associate of Science Degree
-Registered Nursing (RN)
-Paramedic (EMT-P) Technology
-Radiologic Technology
-Respiratory Care

A.S. – Associate of Arts Degree
-Physical Education/Fitness

Certificate Programs:

- Computed Tomography
- Dental Assisting
- Medical Assisting
- Medical Billing
- Medical Coding

- Medical Transcription
- Paramedic Technology

MIDDLESEX COMMUNITY COLLEGE

Associate Degree Programs

- Counseling (Addiction Studies)
- Dental Hygiene
- Dietetic Technology
- Fire Science Technology
- Health Science
- Medical Laboratory Technology
- Nursing
- Pharmacy Assistant
- Pre-Medical
- Pre-Pharmacy
- Pre-Physical Therapy
- Pre-Veterinary
- Psychology
- Psychosocial Rehabilitation
- Radiography
- Respiratory Care

Haverhill High School Allied Health & Science Academy

Animal Science Track

Grade 10

- Biology 1 credit
- Allied Health & Science Career Exploration .5 credit
- Zoology .5 credit

11th GRADE

- Chemistry 1.credit
- Animal Behavior .5 credit
- Medical Terminology and Human Disease .5 credit

12th GRADE

- AP Biology or Anatomy and Physiology 1. credit
- Pre-Veterinary medicine for Veterinary Technicians .5 credit

Psychology Track

Grade10

- Biology 1 credit
- Allied Health & Science Career Exploration .5 credit
- Child Psychology .5 credit

Grade 11

- Chemistry 1. credit
- Sociology of the Family .5

Grade 12

- AP Biology or AP Chemistry 1. credit
- Anatomy and Physiology 1 credit
- Psychology .5 credit

Medical Field Track

Grade 10

- Biology 1. credit
- Allied Health & Science Career Exploration .5 credit

Grade 11

- Chemistry 1 credit
- Introduction to Food Science .5 credit
- Medical Terminology and Human Disease .5 credit
- Chemistry for Human Biology .5 credit

Grade 12

- AP Biology or AP Chemistry 1 credit
- Anatomy and Physiology 1 credit
- Human Biology .5 credit
- Biochemistry of Foods & Nutrition 1 credit

Allied Health and Science Career Exploration .5 credits

If you would like to prepare yourself to work with people or animals in the fastest growing fields in America, Health Care and Animal Science, this is the program for you. This overview course program will enable you prepare for college and also the workplace while learning about trends and occupations in both these areas. Guest speakers and field trips will be an integral part of this course as you plan your future.