



Wilbur H. Palmer  
Career and Technical  
Education Center

# Health Science & Technology

This two year program is designed to introduce potential health care workers to the careers available in the health field. Learn basic health care skills such as vital signs, taking blood pressures, CPR and first aid. Participate in the Licensed Nursing Assistant program, or choose an area of interest and complete clinical hours, such as physical therapy, dental hygiene, and recreational therapy. Interact with the elderly population at the Gateways Adult Day Service program located at Alvirne. Students are members of HOSA (Health Occupation Students of America), participate in blood drives, and are eligible to attend and compete at the State Leadership Conference. With the skills learned in Health Science, students are better prepared for college or employment.



**Sample Occupations for Health Science Tech. Graduates** (Source: Bureau of Labor Statistics- Occupational Outlook Handbook)

Job Title	Projected Openings Through 2026	Average Salary
Athletic Trainers	6,300	\$46,630
Dental Hygienists	40,900	\$74,070
Registered Nurses	438,100	\$70,000
Occupational Therapists	31,000	\$83,200

For More information: Contact your Local School Counselor OR

Wilbur H. Palmer CTE Center  
@ Alvirne High School

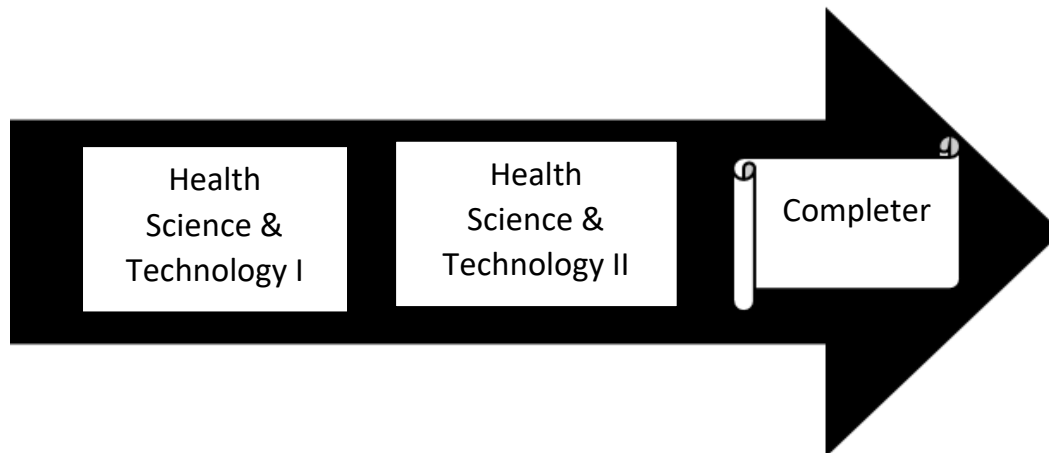
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# Health & Science Technology Program Path



## Course Descriptions

### **Health & Science Technology I:** *Grade 11; year-long course; CTE886*

Health Science and Technology I is an introductory course for students interested in healthcare fields. Students will learn about the human body and disease, as well as medical terminology and healthcare skills. This knowledge will help students pursue careers in areas such as nursing, physical and occupational therapy, medicine, and surgical technology. Students will have the opportunity to work hands-on with the disabled and elderly at our on-site Adult Day Service Program. Students will be certified in CPR during this year. Students will also have the opportunity to learn leadership skills as members of HOSA-Future Health Professionals. Students may participate and compete at the State HOSA Conference and the International HOSA Conference in a variety of events, including knowledge tests and hands-on activities. This course is designed for Juniors. Students' math and science grades are considered in the acceptance process.

**\*Prerequisites:** A grade of B- or better in Biology is required. An excellent attendance record and an overall GPA of 3.00 or better will also be considered for acceptance into the program. Students must have a B-, instructor's approval, and successfully complete all competencies to continue to year two.

### **Health & Science Technology II:** *Grade 12; year-long course; CTE888*

Health Science and Technology II continues with anatomy and physiology, medical terminology, and the disease process. Students will intern with healthcare professionals at local healthcare facilities. Through the HOSA curriculum, students will continue to gain leadership skills and will be involved in community projects and State and National HOSA competitive event programs. This course has a Licensed Nursing Assistant component. Students interested in a nursing career can acquire the skills necessary to be eligible for certification through the State of NH Board of Nursing allowing them to seek employment in the health care field immediately after high school. Students interested in other health care related fields, such as physical therapy, athletic training, dental hygiene etc. may complete their clinical hours at a related site. Students will continue to practice their skills at the ADSP, at Alvirne. Students are eligible to earn 3 college credits through Manchester Community College for Medical Terminology. Students successfully completing HS&T I and II may receive Life Science credit toward graduation requirements.