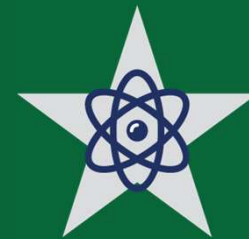


Health Science Academy

Biomedical Science

009-STEM-Biomedical Science @ RSS



The Biomedical Science program of study focuses on the study of biology and medicine in order to introduce CTE learners to the knowledge and skills necessary to be successful in the healthcare field, such as researching and diagnosing diseases, pre-existing conditions, or other determinants of health. Students may also practice patient care and communication.

Secondary Courses for High School Credit

Level 1

- **H09841** Principles of Biomedical Science (PLTW)

Level 2

- **H09793** Human Body Systems (PLTW)
- **19742** Medical Terminology

Level 3

- **H09773** Medical Interventions (PLTW)
- **AC 08833** Anatomy & Physiology
- **BIOL 2301/BIOL 2302** Anatomy & Physiology

Level 4

- **H09796** Biomedical Innovation (PLTW)
- **H09743** Practicum in Health Science – Medical Assisting
- **AC 19743** Practicum in Health Science – Certified Nurse Aide
- **H29743** Practicum in Health Science – Pharm Tech
- **EMSP 1501/EMSP 1260** Practicum in Health Science – EMT-Basic

Postsecondary Opportunities

Associates Degrees

- Histologic Technician
- Clinical Laboratory Science/Medical Technology/Technologist

Bachelor's Degrees

- Biomedical Engineers
- Clinical Laboratory Science/Medical Technology/Technologist

Master's, Doctoral, and Professional Degrees

- Genetic Counseling
- Medical Scientists
- Epidemiology

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
------------------------	--------------------------------

- | | |
|---|--|
| <ul style="list-style-type: none"> • Join Health Occupations Students of America | <ul style="list-style-type: none"> • Intern at a lab • Shadow a healthcare or medical professional |
|---|--|



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Medical and Laboratory Technicians	\$37,981	1,159	28%
Biological Technicians	\$42,931	452	17%
Forensic Science Technicians	\$48,152	171	35%
Chemical Technicians	\$49,733	672	10%
Medical and Clinical Laboratory Technologists	\$58,760	1,166	35%

Successful completion of the Biomedical program of study will fulfill requirements of the Public Service or STEM endorsement if the math and science requirements are met. Revised – October 2022