



Health Science Academy

Healthcare Diagnostics and Therapeutics

003-PS-Healthcare @ RSS



The Healthcare Diagnostics & Therapeutic program of study introduces students to occupations and education opportunities related to performing complex medical laboratory tests for the diagnosis, treatment, and prevention of disease. This program of study may also include exploration into the opportunities associated with blood laboratories as well as radiologic technology and ultrasound technology.

Secondary Courses for High School Credit

Level 1

- AC 19003 Principles of Health Science

Level 2

- 19742 Medical Terminology
- HITT 1305/HITT 1253 Medical Terminology (EMT)

Level 3

- AC 09742 Health Science Theory (1 cr.)

Level 4

- AC 08833 Anatomy and Physiology
- BIOL 2301/BIOL 2302 Anatomy and Physiology (EMT)
- 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

- Nuclear Medical Technology/Technologist
- Magnetic Resonance Imaging (MRI) Technology/Technician
- Dental Hygienist
- Medical Assistant

Bachelor's Degrees

- Nuclear Medical Technology/Technologist
- Medical Radiologic Technology/Science Radiation Therapist

Master's, Doctoral, and Professional Degrees

- Radiologist
- Family and General Practitioners
- Dentist
- Physician Assistant

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Participate in Health Occupation Students of America or SkillsUSA

Work-Based Learning Activities

- Perform clinical rotations at a community wellness center, hospital, assisted living, nursing home

Industry-Based Certifications

- Certified Clinical Medical Assistant
- Certified EKG Technician
- Certified Nurse Aide (CNA)
- Emergency Medical Technician - Basic
- Pharmacy Technician
- Phlebotomy Technician



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Diagnostic Medical Sonographers	\$69,909	495	35%
Phlebotomist	\$30,597	1,442	36%
Nuclear Medicine Technologists	\$75,962	91	13%
Radiologic Technologists	\$55,494	1,196	21%
Dental Hygienists	\$73,507	1,353	38%
Physicians and Surgeons	\$213,071	1,151	30%

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