

Health Science Career Cluster

The Health Science Career Cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. This career cluster includes occupations ranging from medical assistant, registered nurse, and physical therapist to forensic science technician and athletic trainer.

Phlebotomy Technician



The Phlebotomy Technician program emphasizes all aspects of blood collection procedures, terminology, anatomy, physiology, specimen hands-on practice, and clinical training in skills and techniques to perform puncture methods. This course also includes important practice and background information on anatomy and physiology of the heart, medical disease processes, the Holter monitor, electrocardiography and echocardiography. This program prepares students for the Phlebotomy Technician exam.

Secondary Courses for High School Credit

Level 1

- Principles of Health Science

Level 2

- Medical Terminology

Level 3

- Anatomy and Physiology (H)
- Health Science Theory

Level 4

- Practicum in Health Science I – General Healthcare (H) ¹
- Practicum in Health Science II – Phlebotomy Technician (H) ²



Postsecondary Opportunities

Associates Degrees

- Medical/Clinical Assistant
- Cardiovascular Tech
- Health Records Professional

Bachelor's Degrees

- Cardiologist
- Medical Lab Tech

Master's, Doctoral, and Professional Degrees

- Anesthesiologist
- Family Physician

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Phlebotomist	\$37,000	1,900	33%
Surgical Assistant	\$65,600	450	22%
Physician	\$274,600	1,000	14%

Successful completion of the Phlebotomy Technician program of study will fulfill requirements of a Public Service endorsement. Revised – May 2024

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Participate in Health Occupation Students of America (HOSA)

Work-Based Learning Activities

- Volunteer at a community wellness center, hospital, assisted living, or nursing home

Industry-Based Certifications

- Certified Patient Care Technician (CPCT) ¹
- Phlebotomy Technician (CPT) ²

Aligned Advanced Academic Courses

- AP Biology
- AP Chemistry



Phlebotomy Technician Course Information

Level 1

COURSE NAME	SERVICE ID	PREREQUISITES	GRADE LEVEL(S)
Principles of Health Science	13020200 (1 credit)	None	9

Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	GRADE LEVEL(S)
Medical Terminology	13020300 (1 credit)	None	10

Level 3

COURSE NAME	SERVICE ID	PREREQUISITES	GRADE LEVEL(S)
Health Science Theory	13020400 (1 credit)	Biology & Principles of Health Science	10
Anatomy and Physiology (H)	13020600 (1 credit)	Biology & Chemistry	11 - 12

Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	GRADE LEVEL(S)
Practicum in Health Science I – General Healthcare (H)	13020500 (2 credits)	Health Science Theory	11
Practicum in Health Science II – Phlebotomy Technician (H)	13020510 (2 credits)	Practicum in Health Science I – General Healthcare (H)	12

FOR ADDITIONAL INFORMATION ON THE HEALTH SCIENCE CAREER CLUSTER,
PLEASE CONTACT YOUR CAMPUS CTE COUNSELOR
<https://tea.texas.gov/cte>

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Further nondiscrimination information can be found at
[Notification of Nondiscrimination in Career and Technical Education Programs.](#)