

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. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, communicate effectively, and work well with others.

Medical Assistant



In the Medical Assistant program, students learn how to assist physicians with exams, take vital signs, practice aseptic technique, interview patients for medical history, provide documentation, perform clinical procedures, use laboratory techniques, understand medical terminology and understand office procedures. Students will gain valuable knowledge to prepare them to handle both the clinical duties and administrative responsibilities in a variety of healthcare settings. This program prepares students for the Certified Clinical Medical Assistant exam.

Secondary Courses for High School Credit

Level 1

- Principles of Health Science

Level 2

- Medical Terminology

Level 3

- Anatomy and Physiology
- Health Science Theory

Level 4

- Practicum in Health Science I – General Healthcare ¹
- Practicum in Health Science II – Medical Assistant ²



Postsecondary Opportunities

Associates Degrees

- Medical/Clinical Assistant
- Surgical Assistant

Bachelor's Degrees

- Nurse

Master's, Doctoral, and Professional Degrees

- Physician Assistant
- Family and General Practitioners

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Participate in Health Occupation Students of America (HOSA)

Work-Based Learning Activities

- Intern at local hospital and/or local clinics

Industry-Based Certifications

- Certified Patient Care Technician (CPCT) ¹
- Certified Clinical Medical Assistant (CCMA) ²



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Medical Assistants	\$34,700	11,700	29%
Surgical Assistant	\$64,500	450	22%
Physicians	\$237,900	1,000	14%

Successful completion of the Medical Assistant program of study will fulfill requirements of a Public Service endorsement. Revised – January 2023

Medical Assistant 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	13020600 (1 credit)	Biology & Chemistry	11 - 12

Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	GRADE LEVEL(S)
Practicum in Health Science I – General Healthcare	13020500 (2 credits)	Health Science Theory	11
Practicum in Health Science II – Medical Assistant	13020510 (2 credits)	Practicum in Health Science I – General Healthcare	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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[Notification of Nondiscrimination in Career and Technical Education Programs.](#)