

# 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.

## 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 become familiar with 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 (H)
- Health Science Theory

#### Level 4

- Practicum in Health Science I – General Healthcare (H) <sup>1</sup>
- Practicum in Health Science II – Medical Assistant (H) <sup>2</sup>



### 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) <sup>1</sup>
- Certified Clinical Medical Assistant (CCMA) <sup>2</sup>

### Aligned Advanced Academic Courses

- AP Biology
- AP Chemistry



### Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Medical Assistants	\$36,900	11,700	29%
Surgical Assistant	\$65,600	450	22%
Physicians	\$274,600	1,000	14%

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

# 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 (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 – Medical Assistant (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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