



COURSES

- LEVEL 1**
Principles of Health Science M #8533

- LEVEL 2**
Health Science Theory M #8536
AND
Anatomy & Physiology #8377
Anatomy & Physiology D #8376

- LEVEL 3**
Practicum in Health Science -
Off Campus Clinical M (2CR) #8391

- LEVEL 4**
Practicum in Health Science -
Medical Assistant M (2CR) #8390

POSTSECONDARY OPTIONS

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Registered Dental Assistant	Dental Assistant	Dental Hygienist		Dentist
Certified Patient Care Technician	Surgical Technologist			Physician Assistant
Certified Nurse Aide/Assistant	Medical Assistant	Medical/ Clinical Assistant		Family and General Practitioners
Pharmacy Technician	Pharmacy Aides			Pharmacist

Additional industry based certification information is available from the TEA CTE website.

For more information on postsecondary options for this program of study, visit TXCTE.org.

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Medical Assistants	\$29,598	8,862	30%
Surgical Technologists	\$46,310	1,150	21%
Dental Hygienists	\$73,507	1,353	38%
Physicians and Surgeons	\$213,071	1,151	30%
Dental Assistants	\$34,840	4,422	31%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES

Exploration Activities:
SkillsUSA
Health Occupation
Students of America
(HOSA)

Work Based Learning Activities:
Volunteer at a community wellness center, hospital, assisted living, or nursing home.

The Healthcare Therapeutic program of study introduces students to occupations and educational opportunities related to diagnosing and treating acute, episodic, or chronic illness independently or as part of a healthcare team. This program of study also includes an introduction to the opportunities associated with providing treatment and counsel to patients as well as rehabilitative programs that help build or restore daily living skills to persons with disabilities or developmental delays.



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.

Successful completion of the Healthcare Therapeutic program of study will fulfill requirements of a **Public Service endorsement or STEM endorsement** if the math and science requirements are met. Revised - July 2020



Public Services Endorsement

Possible STEM - SBOE Decision



Health Science

Healthcare Therapeutic Medical Assistant

Principles of Health Science M (9-10) #8533

This course provides an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the healthcare industry. Students will identify employment opportunities, technology, and safety requirements of each system. A student who takes a full year of Principles of Health Science receives a waiver for Health. SEM: 2 CR: 1

Health Science Theory M (10-12) #8536

This course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skills development. PR: Biology SEM: 2 CR: 1

Anatomy and Physiology (10-12) #8377

Students study the structure and function of the human body and the interaction of body systems for maintaining homeostasis. Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students must meet the 40% laboratory and fieldwork requirement. PR: Biology & 2nd Science SEM: 2 Science CR: 1

Practicum in Health Science - Off Campus Clinical M (11) #8391

A course designed to give students practical application of previously studied knowledge and skills for certification or licensure in an allied health career. Students develop advanced clinical skills necessary for employment in the healthcare industry or continued education in health careers. NISD Volunteer Background Check may be required. PR: Health Science Theory & Biology SEM: 2 CR: 2

Practicum in Health Science - Medical Assistant M (12) #8390

A course designed to give students practical application of previously studied knowledge and skills for certification or licensure in an allied health career. Students develop advanced clinical skills necessary for employment in the health care industry or continued education in health careers. NISD Volunteer Background Check may be required.

*Certification offered: Medical Assistant (CCMA)
PR: Health Science Theory & Biology SEM: 2 CR: 2