



Level 1	Principles of Health Science
	Medical Terminology
Level 2	Introduction to Dental Science
	Anatomy and Physiology
Level 3	Health Science Theory
	Practicum in Health Science
Level 4	

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

Occupations	Median Wage	Annual Openings	% Growth
Medical Assistants	\$29,598	8,862	30%
Surgical Technologists	\$45,032	1,150	20%
Dental Hygienists	\$73,507	1,353	38%
Physicians and Surgeons	\$213,071	1,151	30%
Dental Assistants	\$34,840	4,422	31%

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities:	Work Based Learning Activities:
SkillsUSA Health Occupation Students of America (HOSA) Industry Tours Guest Speakers	Participate in internships

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

COURSE INFORMATION: HEALTHCARE THERAPEUTIC (DENTAL ASSISTING)

COURSE NAME	SERVICE ID	PREREQUISITES (PREQ)	Grade
Principles of Health Science	13020200 (1 credit)	None	9-10
Medical Terminology	13020300 (1 credit)	None	9-10
Introduction to Dental Science	N1302101 (1 credit)	None	10-12
Anatomy and Physiology	13020600 (1 credit)	PREQ: Biology and a second science credit	11-12
Health Science Theory	13020400 (1 credit)	PREQ: Biology and Medical Terminology	10-12
Practicum in Health Science	13020500 (2 credits)	PREQ: Health Science Theory and Biology	12

FOR ADDITIONAL INFORMATION ON THE HEALTHCARE THERAPEUTIC (DENTAL ASSISTING) PROGRAM OF STUDY, PLEASE CONTACT YOUR LOCAL COUNSELOR OR VISIT [HTTPS://AMTECH.AMAISD.ORG](https://amtech.amaisd.org)



HEALTHCARE THERAPEUTIC (DENTAL ASSISTING) PROGRAM OF STUDY

Principles of Health Science

Grade Placement: 9-10, Credit: 1

Prerequisite: None.

The Principles of Health Science course is designed to provide an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry.

Course #0450/0450c

CHS, PDHS, AMTECH

Medical Terminology

Grade Placement: 9–10, Credit: 1

Prerequisite: None.

The Medical Terminology course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

Course #0451/0451c

CHS, PDHS, AMTECH

Introduction to Dental Science

Grade Placement: 10-12, Credit: 1

Prerequisite: None.

Introduction to Dental Science is an introductory health science course designed to initiate secondary students to the field of dentistry and related topics. At the end of the course, students will be able to discuss the history of dentistry; identify dental related career pathways; explain dental legal and ethical responsibilities; recognize professional healthcare behavior and demeanor; and perform basic routine dental office procedures. The purpose of this course is to establish a foundation for future coursework in dental science and prepare secondary students for a future career in dentistry.

Course #0467c

AMTECH

Anatomy and Physiology

Grade Placement: 11-12, Credit: 1

Prerequisite: Biology and a second science credit.

The Anatomy and Physiology course is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. *Note: This course satisfies a science credit requirement for students on the Foundation High School Program.*

Course #0455c

AMTECH

Health Science Theory

Grade Placement: 10-12, Credit: 1

Prerequisites: Biology and Medical Terminology.

The Health Science Theory 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 skill development.

Course #0452c

AMTECH

Practicum in Health Science

Grade Placement: 12, Credits: 2

Prerequisites: Health Science Theory and Biology.

The Practicum in Health Science course is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. Training may differ depending on the campus and instructor. Internship or work based learning is an option for this class.

Course #0453c

AMTECH