

		<h1 style="text-align: center;">Therapeutic Services</h1>			
		Career Goal (O*NET Code): Emergency Medical Technician (29-2041), Paramedic (29-2041), Emergency Services (29-2041).	Cluster Overview: The Health Science cluster focuses on careers in planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.		
		SUGGESTED COURSEWORK		EXTENDED LEARNING EXPERIENCES	
High School	9th	Core Courses: English I Algebra I Biology	World Geography Languages other than English I Health/PE or Equivalent	Curricular Experiences: Health Occupations Students of America STARS Research Program NASA Research Program Career Learning Experiences: Career Preparation (Paid/Unpaid) Job Shadowing Internship Apprenticeship	Extracurricular Experiences: National Youth Leadership Forum on Medicine Medical Mission Trips Special Olympics Service Learning Experiences: Community Service Volunteer
		Career-Related Electives: Introduction to Health Science Technology AND Medical Terminology			
	10th	Core Courses: English II Geometry Chemistry	World History Languages other than English II Technology Applications		
		Career-Related Electives: Health Science Technology I***			
	11th	Core Courses: English III Algebra II Physics	United States History Communication Applications PE or Equivalent		
		Career-Related Electives: Health Science Technology II* or Anatomy and Physiology of Human Systems or Languages other than English III			
	12th	Core Courses: English IV AP Statistics Scientific Research and Design	Government/Economics Fine Arts		
		Career-Related Electives: Health Science Technology III* or Pathophysiology or Medical Microbiology or Pharmacology or Languages other than English IV			
On-the-Job Training	Phlebotomist Laboratory Assistant NOTE: These experiences may be started and/or completed as part of the high school experience.			Professional Associations National Association of EMS Educators National EMS Management Association EMS Association of Texas	
	Certificates	Emergency Care Attendant (ECA) Emergency Medical Technician (EMT) OSHA CareerSafe Emergency Medical Technician-Paramedic Emergency Medical Services-Instructor NOTE: Students may earn all or part of these certificates as part of the high school experience.			Career Options: EMT-Paramedic Emergency Care Attendant Emergency Medical Technician Emergency Medical Services Educator
Postsecondary	Associate's Degrees	15 hours General Education Core including Anatomy and Physiology for Medical Assistants (MDCA 1X00) OR Anatomy & Physiology (BIOL 2X01 AND BIOL 2X02) OR Applied Human Anatomy & Physiology (SCIT 1X07 AND SCIT 1X08) AND BIOL 2X20 (Microbiology)		Career Options: EMT-Paramedic Emergency Services Technician	
		Cluster Foundation Medical Terminology I (HITT 1X05 OR MDCA 1X13 OR SRGT 1X01) OR Essentials of Medical Terminology (HPRS 1X06) Essentials of Medical Law & Ethics (HPRS 1X05) OR Legal & Ethical Aspects of Health Information (HITT 1X53) OR Medical Law & Ethics (MDCA 1X05) Introduction to Health Professions (HPRS 1X01) OR Basic Health Profession Skills (HPRS 1X04) Pathophysiology (HPRS 2X01) OR Human Disease/Pathophysiology (MDCA 1X02) Pharmacology (HPRS 2X00) OR DHYG 1X35) Wellness (HPRS 1X02) POS Specific Courses Patient Assessment and Airway Management (EMSP 1X56) Assessment Based Management (EMSP 2X43) Cardiology (EMSP 2X44) Medical Emergencies (EMSP 2X34) Trauma Management (EMSP 1X55) Emergency Pharmacology (EMSP 2X48) Pediatric Advanced Life Support (EMSP 1X47) EMS Operations (EMSP 2X38) Mass Disaster Response (EMSP 2X32) Introduction to Advanced Practice (EMSP 1X38) Basic Trauma Life Support (1X45) AND Advanced Cardiac Life Support (EMSP 2X35) **All Hazard Preparedness- New WECM Course Recommendation Practicum/Clinical (EMSP XX6X)		Certificates, Licenses & Credentials State Certification and National Registry Exam (NREMT)	
	Bachelor's Degrees	Biology Emergency Medical Systems Management Health Care Administration		Emergency Medical Services Director	
Graduate Degrees					

* May substitute for the required credit for Physical Education
 ** Satisfies the required credit for Technology Applications
 *** May substitute for the required credit for Health Education

Students should take Advanced Placement (AP), International Baccalaureate (IB), dual credit, Advanced Technical Credit (ATC), or locally articulated courses, if possible.

This plan of study serves as a guide, along with other career planning materials, for pursuing a career path and is based on the most recent information as of 2007. All plans should meet high school graduation requirements as well as college entrance requirements. Students may select other elective courses for personal enrichment purposes.