

		<h1>Therapeutic Services</h1>				
		Career Goal (O*NET Code) : Dentist (29-1021), Dental Assistant/Hygienist (30-9091), Dental Laboratory Technician (31-9081).	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	Extracurricular Experiences: National Youth Leadership Forum on Medicine Medical Mission Trips Science Club Summer Medical Camps 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 Clinical Nutrition or Independent Study or Languages other than English IV				
Postsecondary	On-the-Job Training	Dental Assistant Dental Lab Technician Note: These experiences may be started and/or completed as part of the high school experience.		Professional Associations: American Dental Assistant Association National Dental Lab Association American Dental Hygienist Association American Dental Association Texas Dental Association		
	Certificates	Dental Assistant OSHA CareerSafe Nitrous Oxide Monitoring Dental Radiology Technician Note: Students may earn all or part of these certificates as part of the high school experience.			Career Options: Dental Radiology Technician Dental Assistant	
	Associate's Degrees	15 hours General Education Core including Anatomy & Physiology (BIOL 2X01 AND 2X02 OR SCIT 1X07 AND 1X08) AND Introductory Chemistry I or higher level equivalent (CHEM 1X06 AND Microbiology (BIOL 2X20 OR SCIT 1X13) 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 Transition to Practice (DHYG 1X23) Oral Anatomy and Physiology (DNTA 1X47 OR DHYG 1X01) Radiology (DNTA 1X49 OR DNTA 1X05 OR DHYG 1X04) Dental Materials (DNTA 1X01 OR DHYG 1X19) Chairside Assisting (1X15) OR Dental Laboratory Procedures (DNTA 1X41) Contemporary Dental Hygiene Care I and II (DHYG 2X01 AND DHYG 2X31) Emergency Management (DNTA 1X13) AND Practical Infection Control (DLBT 1X10) Communication and Behavior in the Dental Office (DNTA 1X02) Preventive Dental Hygiene I (DNTA 1X03) OR Preventive Dental Hygiene II (DHYG 1X33) Community Dentistry (DHYG 1X15) General and Dental Nutrition (DHYG 1X07) Periodontology (DHYG 1X11) Clinical- Dental Hygiene/Hygienist OR Clinical Dental Assisting/Assistant (DNTA OR DHYG)			Career Options: Dental Hygienist Dental Lab Technician Certificates, Licenses & Credentials RHA/RDA CDA/CDT	
Bachelor's Degrees	Dental Hygiene Chemistry Biology		Career Options: Dental Hygienist Researcher			
Graduate Degrees	Doctor of Dental Medicine Doctor of Dental Surgery		Career Options: Dentist Periodontist Orthodontist Endodontist Oral Surgeon Pediatric Dentist			

* 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.