



Dentistry

The Dentistry program of study focuses on occupational and educational opportunities associated with diagnosing and treating acute, episodic, or chronic illness independently or as part of a healthcare team. This program of study includes exploration of patient treatment and preventative programs that help build or restore dental health.



Courses for High School Credit

Level 1 • Principles of Health Science

Level 2 • Medical Terminology

Level 3 • Anatomy and Physiology
• Health Science Theory
• Health Science Clinicals

Level 4 • Practicum in Health Science-Dentistry

Aligned Industry-Based Certifications

- Certified EKG Technician
- Registered Dental Assistant X-Ray Certification

Work-Based Learning and Expanded Learning Opportunities

Work-Based Learning Activities

- Intern with a dental hygienist or dentist
- Participate in job shadowing experiences

Expanded Learning Opportunities

- Participate in Health Occupation Students of America (HOSA) or SkillsUSA



Example Postsecondary Opportunities

Apprenticeships

- Medical Assistant

Associate Degrees

- Emergency Medical Technology
- Radiologic Technology/Science

Bachelor's Degrees

- Emergency Medical Technology
- Medical Insurance Coding

Master's, Doctoral, and Professional Degrees

- Medicine
- Occupational Therapy

Additional Stackable IBCs/License

- Registered Diagnostic Medical Sonographer

Example Aligned Occupations

(Based on statewide employment data)



Dental Assistants

Median Wage: \$39,641
Annual Openings: 5,603
10-Year Growth: 20%

Dental Hygienists

Median Wage: \$87,272
Annual Openings: 1,047
10-Year Growth: 20%

Dentists- General

Median Wage: \$172,269
Annual Openings: 492
10-Year Growth: 17%





Dentistry Course Descriptions:

Principles of Health Science- HLT2000 (1 Credit)

Level: 1
Course Fee: \$15
Prerequisite: None
GPA Weight: Regular

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 healthcare industry.

Medical Terminology- HLT1000MT (1 Credit)

Level: 2
Course Fee: None
Prerequisite: None
GPA Weight: Regular

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.

Health Science Theory- HLT3100 (1 Credit)

Level: 3
Course Fee: \$15
Prerequisite: Biology and 1
Additional Health Science
Course
GPA Weight: Regular

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.

Health Science Clinicals- HLT2110 (2 Credits)

Level: 3
Course Fee: \$100 + Uniform
Prerequisite: Biology and 1
Additional Health Science
Course
GPA Weight: Regular

The Health Science Clinical 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. Districts are encouraged to offer this course in a consecutive block with Health Science Theory to allow students sufficient time to master the content of both courses.

Anatomy and Physiology- SCI4240(D) (1 Credit)

Level: 3
Course Fee: \$15
Prerequisite: Biology and
Chemistry, IPC, or Physics
GPA Weight: Regular or
Advanced

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.**

Available for Dual Credit from Lone Star College (BIOL2401, 2)

Practicum in Dentistry- HLT3620 (2 Credits)

Level: 4
Course Fee: \$100 + Uniform
Prerequisite: Health Science
Theory/Clinicals, Biology,
and 1 Additional Health
Science Course
GPA Weight: Regular

The Practicum in Dentistry 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.



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