Texas CTE: Health Science

# Medical Terminology

**Implementation.** A

1 **The provisions of this section shall be implemented by school districts beginning with the 2024- 2025 school year.** A.1

2 **School districts shall implement the employability skills student expectations listed in §127.15(d)(1) of this chapter (relating to Career and Technical Education Employability Skills) as an integral part of this course.** A.2

**General requirements. This course is recommended for students in Grades 9-12. Students shall be awarded one credit for successful completion of this course.** B

b **General requirements. This course is recommended for students in Grades 9-12. Students shall be awarded one credit for successful completion of this course.** B

**Introduction.** C

1 **Career and technical education instruction provides content aligned with challenging academic standards, industry-relevant technical knowledge, and college and career readiness skills for students to further their education and succeed in current and emerging professions.** C.1

2 **The Health Science Career Cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development.** C.2

3 **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.** C.3

4 **To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students should recognize that quality health care depends on the ability to work well with others.** C.4

5 **The health science industry is comprised of diagnostic, therapeutic, health informatics, support services, and biotechnology research and development ystems that function individually and collaboratively to provide comprehensive ealth care. Students should identify the employment opportunities, technology, and safety requirements of each system. Students are expected to learn the**

Skip to main content

**knowledge and skills necessary to pursue a health science career through further education and employment.** C.5

6 **Professional integrity in the health science industry is dependent on acceptance of ethical and legal responsibilities. Students are expected to employ their ethical and legal responsibilities, recognize limitations, and understand the implications of their actions.** C.6

7 **Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other organizations that foster leadership and career development in the profession such as student chapters of related professional associations.** C.7

8 **Statements that contain the word "including" reference content that must be mastered, while those containing the phrase "such as" are intended as possible illustrative examples.** C.8

**Knowledge and skills.** D

1 **The student recognizes the terminology related to the health science industry. The student is expected to:** D.1

- A identify abbreviations, acronyms, and symbols related to the health science industry; D.1.A
- B recognize the incorrect use of abbreviations, acronyms, and symbols through review of The Joint Commission's "Do Not Use List"; D.1.B
- C identify and define the component parts of medical words, including root, prefix, suffix, and combining vowels; D.1.C
- D practice word-building skills; D.1.D
- E research the origins of eponyms; D.1.E
- F recall directional terms and anatomical planes related to body structure; D.1.F
- G define and accurately spell occupationally specific terms such as those relating to the body systems, surgical and diagnostic procedures, diseases, and treatment; and D.1.G
- H use prior knowledge and experiences to understand the meaning of terms as they relate to the health science industry. D.1.H

2 **The student demonstrates communication skills using the terminology applicable to the health science industry. The student is expected to:** D.2

- A demonstrate appropriate verbal strategies such as correct pronunciation of medical terms and written strategies such as correct spelling in a variety of health science scenarios; D.2.A
- B employ increasingly precise language to communicate; and D.2.B
- C translate technical material related to the health science industry. D.2.C

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**he student examines available resources. The student is expected to:** D.3

- examine medical and dental dictionaries and multimedia resources; D.3.A

B integrate resources to interpret technical materials; and D.3.B

C investigate electronic and digital media with appropriate supervision. D.3.C

**4 The student interprets medical abbreviations. The student is expected to:** D.4

A distinguish medical abbreviations used throughout the health science industry; and D.4.A

B translate medical abbreviations in simulated technical material such as physician progress notes, radiological reports, and laboratory reports. D.4.B

**5 The student appropriately translates health science industry terms. The student is expected to:** D.5

A interpret, transcribe, and communicate vocabulary related to the health science industry; D.5.A

B translate medical terms to conversational language to facilitate communication; D.5.B

C distinguish medical terminology associated with medical specialists such as geneticists, pathologists, and oncologists; D.5.C

D summarize observations using medical terminology; and D.5.D

E interpret contents of medical scenarios correctly. D.5.E