

Colorado CTE Course – Scope and Sequence

Course Name	Medical Terminology / HPR 178	Course = 0.50 Carnegie Unit Credit	
Course Description	Medical Terminology is a one semester course which gives students in-depth instruction in recognizing and forming medical terms related to the body's organ systems. Students will learn medical root words, prefixes, and suffixes and apply them to the body systems, as well as understand different diseases, conditions, diagnostic, and treatment procedures for each system.		
Note:	This is a suggested scope and sequence for the course content. The content will work with any textbook or instructional resource. If locally adapted, make sure all competencies are covered. Please contact your local community college partner for credit options available.		
Schedule:	Schedule calculation based on 120 contact hours. 60% of instruction time should be geared in meeting the course competencies in the scope and sequence. The remaining 40% of instructional time allows for guest speakers, student presentations, field trips, remediation, or other content topics.		
All courses taught in an approved CTE program must include Essential Skills embedded into the course content. The Essential Skills Framework for this course can be found at https://www.cde.state.co.us/standardsandinstruction/essentialskills Additional resource: National Health Science Standards			
Instructional Unit Topic	Suggested Length of Instruction	CTE or Academic Standard Alignment	Competency / Outcomes
The Basics and the Body	6%	NCHSE 1.1, 1.2, 1.3, 2.1, 3.1, 4.1, 7.1, 8.1, 9.1, 10.1, 11.1	1. Identify the roles of the basic word parts used to build medical terms 2. Identify the define prefixes word roots, and suffixes 3. Correctly pronounce medical terms using phonetic spelling 4. Combine word parts to build new medical terms 5. Interpret medical abbreviation 6. Understand basic anatomical terms
Skeletal System	5%	NCHSE 1.1.2, 1.2, 1.3, 2.1, 3.1, 4.1, 7.1, 8.1, 9.1, 10.1, 11.1 2	1. Identify and define medical terms associated with the major structure and function of the skeletal system 2. Recognize,define,spell and pronounce terms related to the pathology, diagnosis, and treatment of skeletal, system diseases and conditions

Muscular System	4%	NCHSE 1.1.2, 1.2, 1.3, 2.1, 3.1, 4.1, 7.1, 8.1, 9.1, 10.1, 11.1	1. Identify and define medical terms associated with the major structure and function of the Muscular system. 2. Recognize, define, spell and pronounce terms related to the pathology, diagnosis, and treatment of muscular system diseases and conditions
Integumentary System	4%	NCHSE 1.1.2, 1.2, 1.3, 2.1, 3.1, 4.1, 7.1, 8.1, 9.1, 10.1, 11.1	1. Identify and define medical terms associated with the major structure and function of the integumentary system. 2. Recognize, define, spell and pronounce terms related to the pathology, diagnosis, and treatment of the integumentary system diseases and conditions
Blood and lymphatic and immune system	4%	NCHSE 1.1.2, 1.2, 1.3, 2.1, 3.1, 4.1, 7.1, 8.1, 9.1, 10.1, 11.1	1. Identify and define medical terms associated with the major structure and function of the blood and lymphatic and immune system. 2. Recognize, define, spell and pronounce terms related to the pathology, diagnosis, and treatment of blood and lymphatic and immune system diseases and conditions
Cardiovascular System	4%	NCHSE 1.1.2, 1.2, 1.3, 2.1, 3.1, 4.1, 7.1, 8.1, 9.1, 10.1, 11.1	1. Identify and define medical terms associated with the major structure and function of the cardiovascular system. 2. Recognize, define, spell and pronounce terms related to the pathology, diagnosis, and treatment of the cardiovascular system diseases and conditions
Respiratory System	4%	NCHSE 1.1.2, 1.2, 1.3, 2.1, 3.1, 4.1, 7.1, 8.1, 9.1, 10.1, 11.1	1. Identify and define medical terms associated with the major structure and function of the respiratory system. 2. Recognize, define, spell and pronounce terms related to the pathology, diagnosis, and treatment of the respiratory system diseases and conditions
Digestive System	4%	NCHSE 1.1.2, 1.2, 1.3, 2.1, 3.1, 4.1, 7.1, 8.1, 9.1, 10.1, 11.1	1. Identify and define medical terms associated with the major structure and function of the digestive system. 2. Recognize, define, spell and pronounce terms related to the pathology, diagnosis, and treatment of the digestive system diseases and conditions
Nervous System	5%	NCHSE 1.1.2, 1.2, 1.3, 2.1, 3.1, 4.1, 7.1, 8.1, 9.1, 10.1, 11.1	1. Identify and define medical terms associated with the major structure and function of the nervous system.

			2. Recognize,define,spell and pronounce terms related to the pathology, diagnosis, and treatment of the nervous system diseases and conditions
The Special Senses	4%	NCHSE 1.1.2,1.2, 1.3, 2.1, 3.1, 4.1, 7.1, 8.1, 9.1, 10.1, 11.1	1. Identify and define medical terms associated with the major structure and function of the Special senses. 2. Recognize,define,spell and pronounce terms related to the pathology, diagnosis, and treatment of diseases and conditions that affect the special sense organs
The Endocrine System	4%	NCHSE 1.1.2, 1.2, 1.3, 2.1, 3.1, 4.1, 7.1, 8.1, 9.1, 10.1, 11.1	1. Identify and define medical terms associated with the major structure and function of the endocrine system. 2. Recognize,define,spell and pronounce terms related to the pathology, diagnosis, and treatment of the endocrine system diseases and conditions
Urinary System	4%	NCHSE 1.1.2, 1.1.1, 1.2, 1.2.1, 1.2.2	1. Identify and define medical terms associated with the major structure and function of the urinary system. 2. Recognize, define, spell and pronounce terms related to the pathology, diagnosis, and treatment of urinary system diseases and conditions
The Male Reproductive System	4%	NCHSE 1.1.2, 1.2, 1.3, 2.1, 3.1, 4.1, 7.1, 8.1, 9.1, 10.1, 11.1	1. Identify and define medical terms associated with the major structure and function of the male reproductive system. 2. Recognize, define, spell and pronounce terms related to the pathology, diagnosis, and treatment of the male reproductive system diseases and conditions
The Female Reproductive System	4%	NCHSE 1.1.2, 1.2, 1.3, 2.1, 3.1, 4.1, 7.1, 8.1, 9.1, 10.1, 11.1	1. Identify and define medical terms associated with the major structure and function of the female reproductive system. 2. Recognize,define,spell and pronounce terms related to the pathology, diagnosis, and treatment of the female reproductive system diseases and conditions

Academic Standards Alignment

Colorado CTE courses are required to integrate academic and essential skills into course content. The following academic standards have been identified as aligned to this course and should be integrated throughout instruction.

[CO CTE Academic Standards Resources](#) (Rubrics, integration strategies, etc)

[CDE Colorado Academic Standards Online](#) (Online standards lookup tool)

Reading, Writing, & Communicating

Standard 1: Oral Expression and Listening

- **Prepared Graduate 1:** Collaborate effectively as group members or leaders who listen actively and respectfully; pose thoughtful questions, acknowledge the ideas of others; and contribute ideas to further the group's attainment of an objective.
- **Prepared Graduate 2:** Deliver effective oral presentations for varied audiences and varied purposes.

Standard 2: Reading for All Purposes

- **Prepared Graduate 3:** Read a wide range of literary texts to build knowledge and to better understand the human experience.
- **Prepared Graduate 4:** Read a wide range of informational texts to build knowledge and to better understand the human experience.
- **Prepared Graduate 5:** Understand how language functions in different contexts, command a variety of word-learning strategies to assist comprehension, and make effective choices for meaning or style when writing and speaking.

Standard 3: Writing and Composition

- **Prepared Graduate 6:** Craft arguments using techniques specific to the genre.
- **Prepared Graduate 7:** Craft informational/explanatory texts using techniques specific to the genre.
- **Prepared Graduate 8:** Craft narratives using techniques specific to the genre.
- **Prepared Graduate 9:** Demonstrate mastery of their own writing process with clear, coherent, and error-free polished products.

Standard 4: Research Inquiry and Design

- **Prepared Graduate 10:** Gather information from a variety of sources; analyze and evaluate its quality and relevance; and use it ethically to answer complex questions.

Note: Mathematics and Science standards will be added in the future. Visit the [Colorado Academic Standards](#) page for the most current version.

