



TENNESSEE DEPARTMENT OF

**EDUCATION**

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## Medical Terminology

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### Course Description

Medical terminology is designed to develop a working knowledge of the language of health professions. Students acquire word-building skills by learning prefixes, suffixes, roots, combining forms, and abbreviations. Utilizing a body systems approach, students will define, interpret, and pronounce medical terms relating to structure and function, pathology, diagnosis, clinical procedures, and pharmacology. Students will use problem-solving techniques to assist in developing an understanding of course concepts.

### Program of Study Application

This course is a fundamental course for students who are pursuing a career in the health care profession. It is the basic language required for all areas of health science and is required for any health care profession beginning with entry level staff. Currently it is not required in any programs of study but is strongly suggested as an upper level course in *Diagnostic Services*, *Therapeutic Clinical Services*, *Health Informatics*, and *Therapeutic Nursing Services*.

### Course Standards

#### **Standard 1.0**

**Investigate and analyze the fundamentals of medical terminology including but not limited to word origins, basic word parts, prefixes, suffixes, root words and combining forms.**

Learning Expectations and Performance Indicators:

- 1.1 Interpret the historical development of the medical language including Latin and Greek origination of medical terms.
- 1.2 Differentiate the meaning of symbols, key terms and other domain-specific words and phrases as they are used in healthcare setting. (ELA-Literacy.RST.11-12.4)
- 1.3 Construct sentences using medical terminology work-building skills.
- 1.4 Compare and contrast the documents found in a medical record and the importance of confidentiality.

#### **Standard 2.0**

**Investigate and analyze terms associated with body planes, cavities, directional terms, body systems, abbreviations, acronyms and symbols.**

Learning Expectations and Performance Indicators:

- 2.1 Research the origins of eponyms then differentiate between eponyms, acronyms and abbreviations.
- 2.2 Interpret and correctly utilize medical abbreviations and symbols within documentation.
- 2.3 Relate the importance of using caution with abbreviations.
- 2.4 Interpret terminology in reference to anatomical position, directional and positional terms, body cavities, and body planes related to body structure.

### **Standard 3.0**

**Identify, articulate, interpret and accurately spell medical terms related to the anatomy and physiology of body systems.**

Learning Expectations and Performance Indicators:

- 3.1 Analyze and interpret vocabulary, pathology, diagnostic and therapeutic medical terms and abbreviations related to the integumentary system.
- 3.2 Analyze and interpret vocabulary, pathology, diagnostic and therapeutic medical terms and abbreviations related to the respiratory system.
- 3.3 Analyze and interpret vocabulary, pathology, diagnostic and therapeutic medical terms and abbreviations related to the cardiovascular system.
- 3.4 Analyze and interpret vocabulary, pathology, diagnostic and therapeutic medical terms and abbreviations related to the musculoskeletal system.
- 3.5 Analyze and interpret vocabulary, pathology, diagnostic and therapeutic medical terms and abbreviations related to the endocrine system.
- 3.6 Analyze and interpret vocabulary, pathology, diagnostic and therapeutic medical terms and abbreviations related to the nervous system.
- 3.7 Analyze and interpret vocabulary, pathology, diagnostic and therapeutic medical terms and abbreviations related to the lymphatic/immune and hemolytic systems.
- 3.8 Analyze and interpret vocabulary, pathology, diagnostic and therapeutic medical terms and abbreviations related to the gastrointestinal system.
- 3.9 Analyze and interpret vocabulary, pathology, diagnostic and therapeutic medical terms and abbreviations related to the urinary system.
- 3.10 Analyze and interpret vocabulary, pathology, diagnostic and therapeutic medical terms and abbreviations related to the special senses.
- 3.11 Analyze and interpret vocabulary, pathology, diagnostic and therapeutic medical terms and abbreviations related to the reproductive system.

### **Standard 4.0**

**Demonstrate communication skills using the terminology applicable to the health science industry.**

Learning Expectations and Performance Indicators:

- 4.1 Determine the central ideas or conclusions of a health related text; summarize complex concepts, processes or information presented in a text by paraphrasing them in simpler but still accurate terms. (ELA-Literacy.RST.11-12.2)
- 4.2 Initiate and participate effectively using appropriate medical terminology in collaborative discussions surrounding medical legal/ethical issues.
- 4.3 Use technology, including the internet, to produce, publish and update individual or share writing precuts in response to ongoing feedback, including new arguments or information. (ELA-Literacy.WHST.11-12.6)
- 4.4 Produce clear and coherent writing in which the development, organization and style are appropriate to task, purpose and audience. (ELA-Literacy.WHST.11-12.5)

### **Standard 5.0**

**Identify, articulate, interpret and accurately spell occupational specific medical terminology and abbreviations for health care professionals.**

Learning Expectations and Performance Indicators:

- 5.1 Analyze and interpret diagnostic, surgical and procedural terms and abbreviations related to therapeutic services.
- 5.2 Analyze and interpret diagnostic, surgical and procedural terms and abbreviations related to diagnostic medicine.
- 5.3 Analyze and interpret diagnostic, surgical and procedural terms and abbreviations related to biotechnology and services.
- 5.4 Analyze and interpret diagnostic, surgical and procedural terms and abbreviations related to pharmacology.
- 5.5 Analyze and interpret diagnostic, surgical and procedural terms and abbreviations related to emergency medical services.
- 5.6 Analyze and interpret diagnostic, surgical and procedural terms and abbreviations related to dental services.