

## **MEDICAL TERMINOLOGY**

### **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.

***It is strongly recommended that administration and guidance follow the scope and sequence and course recommendations as listed.***

**Recommended Credits:** 1

**Recommended Grade Level(s):** 10<sup>th</sup>-12<sup>th</sup>

**Number of Competencies in Course:** 32

**Note:** In addition to traditional classroom instruction, Medical Terminology may be offered as a dual enrollment for juniors and seniors.

## **MEDICAL TERMINOLOGY**

### **STANDARDS**

- 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.
- 2.0** Investigate and analyze terms associated with body planes, cavities, directional terms, body systems, abbreviations, acronyms and symbols.
- 3.0** Identify, articulate, interpret and accurately spell medical terms related to the anatomy and physiology of body systems as they relate to diagnosis and procedures.
- 4.0** Demonstrate communication skills using the terminology applicable to the health science industry.
- 5.0** Identify, articulate, interpret and accurately spell occupational specific medical terminology and abbreviations for health care professionals.

## **MEDICAL TERMINOLOGY**

### **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**

The student will:

- 1.1** Interpret the historical development of the medical language including Latin and Greek origination of medical terms
- 1.2** Analyze medical terms with correct division and labeling of word parts
- 1.3** Create medical terms combining root, prefixes and suffixes.
- 1.4** Construct sentences using medical terminology work-building skills
- 1.5** Spell and define prefixes, suffixes, root words with 100% accuracy.
- 1.6** Apply concepts related to rules determining singular and plural endings
- 1.7** Summarize the documents found in a medical record and importance of confidentiality.

### **PERFORMANCE INDICATORS; EVIDENCE STANDARD IS MET**

The student will:

- 1.1** Research the history of medical language and present finding in a research paper. Students will also verbalize early Latin and Greek forms of medical term.
- 1.2** Recognize parts of any given medical term and define each part.
- 1.3** Develop medical terms using roots, prefixes and suffixes. Define terms
- 1.4** Construct sentences utilizing correct medical terminology similar to that in a patient record.
- 1.5** Spell medical terms with 100% accuracy
- 1.6** Recognize correct usage of singular and plural forms of terms
- 1.7** Given a patient document define all medical terms within the document

## **MEDICAL TERMINOLOGY**

### **STANDARD 2.0**

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

### **LEARNING EXPECTATIONS**

The student will:

- 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

### **PERFORMANCE INDICATORS; EVIDENCE STANDARD IS MET**

The student will:

- 2.1** Define the terms eponyms, acronyms and abbreviations then explain how each is related to medical terminology.
- 2.2** Given a scenario will correctly document using medical terminology
- 2.3** Relate the guidelines related to using abbreviations in all areas of health care
- 2.4** Educate a mock patient on terminology related to anatomical position, directional and positional terms, body cavities and body planes.

## **MEDICAL TERMINOLOGY**

### **STANDARD 3.0**

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

### **LEARNING EXPECTATIONS**

The student will:

- 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

## **PERFORMANCE INDICATORS; EVIDENCE STANDARD IS MET**

The student will:

- 3.1** Define and apply concepts related to pathology, diagnostic and therapeutic terminology of integumentary system.
- 3.2** Define and apply concepts related to pathology, diagnostic and therapeutic terminology of respiratory system.
- 3.3** Define and apply concepts related to pathology, diagnostic and therapeutic terminology of cardiovascular system.
- 3.4** Define and apply concepts related to pathology, diagnostic and therapeutic terminology of musculoskeletal system.
- 3.5** Define and apply concepts related to pathology, diagnostic and therapeutic terminology of endocrine system.
- 3.6** Define and apply concepts related to pathology, diagnostic and therapeutic terminology of nervous system.
- 3.7** Define and apply concepts related to pathology, diagnostic and therapeutic terminology of lymphatic/immune and hemolytic systems.
- 3.8** Define and apply concepts related to pathology, diagnostic and therapeutic terminology of gastrointestinal system.
- 3.9** Define and apply concepts related to pathology, diagnostic and therapeutic terminology of urinary system.
- 3.10** Define and apply concepts related to pathology, diagnostic and therapeutic terminology of special senses.
- 3.11** Define and apply concepts related to pathology, diagnostic and therapeutic terminology of reproductive system.

## **MEDICAL TERMINOLOGY**

### **STANDARD 4.0**

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

### **LEARNING EXPECTATIONS**

The student will:

- 4.1** Determine or clarify the meaning of unknown medical terms by evaluating professional journals.
- 4.2** Initiate and participate effectively using appropriate medical terminology in collaborative discussions surrounding medical legal/ethical issues.
- 4.3** Translate technical material related to health science industry.
- 4.4** Demonstrate appropriate verbal and written strategies such as correct pronunciation of medical terms and spelling in a variety of health science scenarios.

### **PERFORMANCE INDICATORS; EVIDENCE STANDARD IS MET**

The student will:

- 4.1** The student will use context (e.g., the overall meaning of a sentence, paragraph or text) as a clue to the meaning of a word or phrase.
- 4.2** Conduct a mini research project surrounding medical legal/ethical issues and document findings using medical terminology.
- 4.3** Understands and acquires new vocabulary and uses it correctly when interpreting journal material.
- 4.4** Pronounce and spell medical terms at 100% accuracy.

## **MEDICAL TERMINOLOGY**

### **STANDARD 5.0**

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

### **LEARNING EXPECTATIONS**

The student will:

- 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

### **PERFORMANCE INDICATORS; EVIDENCE STANDARD IS MET**

The student will:

- 5.1** Interpret information related to diagnostic, surgical and procedural terms within the therapeutic services career cluster.
- 5.2** Interpret information related to diagnostic, surgical and procedural terms within the diagnostic medicine services career cluster.
- 5.3** Interpret information related to diagnostic, surgical and procedural terms within the biotechnology services career cluster.
- 5.4** Interpret information related to diagnostic, surgical and procedural terms within the pharmacological career cluster.
- 5.5** Interpret information related to diagnostic, surgical and procedural terms within the emergency medical services career cluster.
- 5.6** Interpret information related to diagnostic, surgical and procedural terms within the dental services career cluster.