

# **Medical Terminology**

## **Rationale Statement:**

This course is designed to empower high school students to take charge of and set a course for their future. It will also prepare them to graduate with marketable skills and a real-world work connection. Careers in the healthcare industry are robust and growing nationwide; however, it is actually experiencing a shortage of workers. The Department of Labor predicts that 8 of the 20 fastest growing occupations are in healthcare services. The need for healthcare professionals in the United States is expected to increase by 27 percent by the year 2014. This class allows students to recognize their unique abilities relating to health care careers and assists them to find a pathway to success.

Students enrolled in the Medical Terminology course will use phonetic pronunciation and word-building to learn the language of medicine. They will learn to understand and communicate using the medical words and abbreviations needed in a healthcare career. The course will use an integrated approach that will allow students to master medical terminology while gaining knowledge and understanding of the anatomy and physiology of the human body and the disease process. Credits for successful completion of this program may be articulated to South Dakota Technical Institutes as stated in the South Dakota Articulation Agreement State Guidelines.

**Suggested grade level:** 11-12

## **Topics covered:**

- **Word-Building**
- **Abbreviations**
- **Structure and Function**
- **Diseases and Disorders**

<b>Indicator # 1: Build medical terms and interpret approved medical abbreviations.</b>	
<b>Bloom's Taxonomy Level</b>	<b>Standard and Examples.</b>
Applying	<p><b>MT1.1 Create medical terms using word roots, prefixes and suffixes.</b></p> <p>Examples:</p> <ul style="list-style-type: none"> <li>• Explain the four parts to medical terms</li> <li>• Apply word roots and combining forms to build medical terms</li> <li>• Identify the most common prefixes and suffixes</li> <li>• Demonstrate the importance of and practice the correct spelling of medical terms</li> <li>• Prepare flashcards for medical word elements</li> </ul>
Applying	<p><b>MT1.2 Communicate medical information using medical abbreviations.</b></p> <p>Examples:</p> <ul style="list-style-type: none"> <li>• Demonstrate correct use of approved medical abbreviations relating to wellness and disease</li> <li>• Prepare flashcards for medical abbreviations</li> <li>• Apply medical abbreviations to interpreting and writing medical documentation</li> </ul>

<b>Indicator # 2: Demonstrate use of medical terminology as it relates to the human body.</b>	
<b>Bloom's Taxonomy Level</b>	<b>Standard and Examples.</b>
Understanding	<p><b>MT2.1 Utilize medical terminology associated with the body systems.</b></p> <p>Examples:</p> <ul style="list-style-type: none"> <li>• Identify common word roots used for each body system</li> <li>• Define and correctly pronounce medical terms used to identify the basic structure and function of each body system</li> <li>• Examine medical terms associated with clinical procedures</li> </ul>
Applying	<p><b>MT2.2 Define body planes, directional terms, quadrants and cavities using medical terminology.</b></p> <p>Examples:</p> <ul style="list-style-type: none"> <li>• Apply correct medical terms to describe directional and anatomical planes related the body</li> <li>• Build medical terms from word parts describing body planes and positioning</li> <li>• Interpret abbreviations associated with body planes, movement and direction</li> <li>• Explain range of motion using medical terminology to define anatomical planes and movement</li> <li>• Illustrate location of body system's cavities and quadrants</li> </ul>

<b>Indicator # 3: Utilize medical terminology to identify and interpret signs and symptoms of diseases and disorders.</b>	
<b>Bloom's Taxonomy Level</b>	<b>Standards and Examples.</b>
Applying	<p><b>MT3.1 Use medical terminology to identify diseases and disorders.</b></p> <p>Examples:</p> <ul style="list-style-type: none"> <li>• Explain signs and symptoms of diseases and disorders using medical terminology</li> <li>• Use medical terminology to compare and contrast disease state vs. wellness state</li> <li>• Use accurate medical terminology to describe body system changes relating to the disease process</li> <li>• Implement medical vocabulary pertaining to diagnosis and treatment of diseases and disorders of the human body</li> </ul>
Applying	<p><b>MT3.2 Interpret medical terms related to diseases and disorders in written and electronic communication.</b></p> <p>Examples:</p> <ul style="list-style-type: none"> <li>• Identify and organize a vocabulary list of medical terms pertaining to the diagnosis and treatment of disease</li> <li>• Use medical terminology to interpret, transcribe and communicate patient information, data and observations</li> <li>• Apply medical terminology to translate pertinent health information</li> <li>• Interpret and gather data using medical case studies</li> <li>• Use medical dictionary and computer technology to interpret and research medical terms associated with diseases and disorders</li> </ul>