
Medical Terminology Curriculum Standards and Policy Addition

The Background:

Curriculum frameworks are mandated by Rules, Regulations, and Minimum Standards of the State Board of Education (Section 0520-01-03-.05, State Curriculum, Requirement D).

This item submits curriculum standards for a course entitled Medical Terminology, which helps prepare students for many health science professions. The health science field is becoming more competitive each year and requiring higher levels of training and skills.

In recent years there has been an increase in requests from local school systems for Medical Terminology as a special course offering. At the same time, community colleges have been reaching out to high schools to offer dual enrollment and dual credit opportunities for students in Medical Terminology. Medical Terminology is a critical course in programs of study pertaining to Health Informatics, Therapeutic Services, and Therapeutic Emergency Services. Medical terminology is incorporated in all health science courses, but this request is being made in order to meet the demands of business and industry, the postsecondary level, and local schools systems for a course concentrated in the medical language.

Following approval of this course, the course title will be added to State Board of Education Policy 3.205, the list of Approved High School Courses, in the area of Health Science Education.

Changes from first reading include:

- Cosmetic formatting changes to reflect new course description document format. This new format includes additional information about the course to assist school leadership in implementing the course, including pre-requisites, as requested by the Board on first reading. This format has been reviewed by division and department leadership.
- Learning expectations and performance indicators have been combined with duplicate performance indicators (competencies) removed.
- Addition of alignment to common core state standards where appropriate, as requested by the Board on first reading.

The Recommendation:

The Department of Education recommends adoption of the standards on final reading.
The SBE staff concurs with this recommendation.



Medical Terminology

Primary Career Cluster:	Health Science
Consultant:	Sheila Carlton, 615-532-2839, Sheila.carlton@tn.gov
Course Code(s):	Awaiting approval
Prerequisite(s):	None
Credit:	One
Grade Level:	10 th – 12 th
Graduation Requirement Substitution:	None
Programs of Study and Sequence:	This course is not in a current POS but is strongly suggested as an upper level course in <i>Diagnostic Services, Therapeutic Clinical Services, Health Informatics, and Therapeutic Nursing Services</i> .
Necessary Equipment:	None
Aligned Student Organization(s):	HOSA www.tennesseehosa.org/www.hosa.org
Coordinating Work-Based Learning:	This course will not provide Work Based Learning opportunities as a standalone course but when paired with other health science courses, prepares students well for Clinical Internships.
Available Student Industry Certifications:	None
Dual Credit or Dual Enrollment Opportunities:	Dual Enrollment/Dual Credit is available at the following: <ul style="list-style-type: none"> • Southwest TN Community College • Dyersburg State Community College • Jackson State Community College • Nashville State Community College • Volunteer State Community College • Columbia State Community College • Chattanooga State Community College • Cleveland State Community College • Roane State Community College • Northeast State Community College • Walter State Community College
Teacher Endorsement(s):	577
Additional Required Teacher Certifications/Training:	None
Teacher Resources:	http://www.tn.gov/education/cte/HealthScience.shtml

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.

