

***EMERGENCY MEDICAL
TECHNICIAN
(EMT)
STANDARDS***



This document was prepared by:

Office of Career Readiness, Adult Learning & Education Options
Nevada Department of Education
755 N. Roop Street, Suite 201
Carson City, NV 89701

www.doe.nv.gov

Adopted by the Nevada State Board of Education on
May 2, 2019

The Nevada Department of Education does not discriminate on the basis of race, color, religion, national origin, sex, disability, sexual orientation, gender identity or expression, or age in its programs and activities and provides equal access to the Boy Scouts and other designated youth groups.

For inquiries, contact the Equity Coordinator at (775) 687-9200.

NEVADA STATE BOARD OF EDUCATION

Elaine Wynn..... President
 Mark NewburnVice President
 Robert BlakelyMember
 David Carter.....Member
 Katherine DockweilerMember
 Tamara HudsonMember
 Cathy McAdooMember
 Dawn MillerMember
 Felicia Ortiz.....Member
 Teri White.....Member
 Ashley Macias..... Student Representative

NEVADA DEPARTMENT OF EDUCATION

Jhone Ebert
 Superintendent of Public Instruction

Kristine Nelson, Director
 Office of Career Readiness, Adult Learning & Education Options

VISION

All Nevadans ready for success in the 21st century

MISSION

To improve student achievement and educator effectiveness by ensuring opportunities, facilitating learning, and promoting excellence



TABLE OF CONTENTS

Nevada State Board of Education / Nevada Department of Education	iii
Acknowledgements / Standards Development Members / Business and Industry Validation / Project Coordinator	vii
Introduction.....	ix
Content Standard 1.0 – Relate Academic Foundations to Achieve Skill Requirement	1
Content Standard 2.0 – Demonstrate the Use of Communication.....	2
Content Standard 3.0 – Demonstrate Problem Solving and Critical Thinking	3
Content Standard 4.0 – Use Information Technology Tools	4
Content Standard 5.0 – Identify Key Organizational Systems.....	5
Content Standard 6.0 – Understand the Importance of Health, Safety, and the Environment	6
Content Standard 7.0 – Understand the Importance of Ethics and Legal Responsibilities	7
Content Standard 8.0 – Use Leadership and Teamwork Skills.....	8
Content Standard 9.0 – Demonstrate Knowledge and Technical Skills	9
Content Standard 10.0 – Demonstrate Employability Skills	12
Crosswalks and Alignments.....	13

* Released 10/05/12

* Revised 05/02/19 – added examples to 9.7.3; added Performance Indicator 9.12.6.

ACKNOWLEDGEMENTS

The development of Nevada career and technical standards and assessments is a collaborative effort sponsored by the Office of Career Readiness, Adult Learning & Education Options at the Department of Education and the Career and Technical Education Consortium of States. The Department of Education relies on teachers and industry representatives who have the technical expertise and teaching experience to develop standards and performance indicators that truly measure student skill attainment. Most important, however, is recognition of the time, expertise and great diligence provided by the writing team members in developing the career and technical standards for Emergency Medical Technician.

STANDARDS DEVELOPMENT MEMBERS

Sandy Ayers	Teacher	Battle Mountain High School, Battle Mountain
Anthony Chiodini	Teacher	Veterans Tribute Career and Technical Academy, Las Vegas
Braiden Green	Dean	College of Southern Nevada, Las Vegas
Cindy Green	Education Manager	REMSA/Care Flight, Reno
Hilary Kohntopp	Teacher	Elko High School, Elko
Charlie Mann	EMS Captain	Mineral County Fire Department
Bobbie Sullivan	Education Coordinator	Nevada State Health Division/EMS, Elko

BUSINESS AND INDUSTRY VALIDATION

All CTE standards developed through the Nevada Department of Education are validated by business and industry through one or more of the following processes: (1) the standards are developed by a team consisting of business and industry representatives; or (2) a separate review panel was coordinated with industry experts to ensure the standards include the proper content; or (3) the adoption of nationally-recognized standards endorsed by business and industry.

The EMT standards were validated through the active participation by business and industry on the development team. The State of Nevada EMS program and the Southern Nevada Health District use the National Registry of Emergency Medical Technician (NREMT) tests for validation of training and understanding of national EMT curriculum.

PROJECT COORDINATOR

Ms. Randi Hunewill, Assistant Director
Health Science and Public Safety
Office of Career Readiness, Adult Learning & Education Options
Nevada Department of Education

INTRODUCTION

The standards in this document are designed to clearly state what the student should know and be able to do upon completion of an advanced high school Emergency Medical Technician program. These standards are designed for a three-credit course sequence that prepares the student for a technical assessment directly aligned to the standards.

These exit-level standards are designed for the student to complete all standards through their completion of a program of study. These standards are intended to guide curriculum objectives for a program of study.

The standards are organized as follows:

Content Standards are general statements that identify major areas of knowledge, understanding, and the skills students are expected to learn in key subject and career areas by the end of the program.

Performance Standards follow each content standard. Performance standards identify the more specific components of each content standard and define the expected abilities of students within each content standard.

Performance Indicators are very specific criteria statements for determining whether a student meets the performance standard. Performance indicators may also be used as learning outcomes, which teachers can identify as they plan their program learning objectives.

The crosswalk and alignment section of the document shows where the performance indicators support the Nevada Academic Content Standards. Where correlation with an academic content standard exists, students in the Emergency Medical Technician program perform learning activities that support, either directly or indirectly, achievement of the academic content standards that are listed.

All students are encouraged to participate in the career and technical student organization (CTSO) that relates to the Emergency Medical Technician program. CTSOs are co-curricular national associations that directly enforce learning in the CTE classroom through curriculum resources, competitive events, and leadership development. CTSOs provide students the ability to apply academic and technical knowledge, develop communication and teamwork skills, and cultivate leadership skills to ensure college and career readiness.

The Employability Skills for Career Readiness identify the “soft skills” needed to be successful in all careers, and must be taught as an integrated component of all CTE course sequences. These standards are available in a separate document.

The **Standards Reference Code** is only used to identify or align performance indicators listed in the standards to daily lesson plans, curriculum documents, or national standards.

Program Name: Emergency Medical Technician Standards Reference Code: **EMT**

Example: EMT.2.3.4

Standards	Content Standard	Performance Standard	Performance Indicator
Emergency Medical Technician	2	3	4

CONTENT STANDARD 1.0 : RELATE ACADEMIC FOUNDATIONS TO ACHIEVE SKILL REQUIREMENT

PERFORMANCE STANDARD 1.1 : APPLY CONCEPTS OF LANGUAGE ARTS KNOWLEDGE

- 1.1.1 Model behaviors that demonstrate active listening
- 1.1.2 Organize oral and written information
- 1.1.3 Adapt language for audience, purpose and situation
- 1.1.4 Evaluate oral and written information for accuracy, adequacy, clarity, and validity
- 1.1.5 Predict potential outcomes and/or solutions
- 1.1.6 Present formal and informal speeches

PERFORMANCE STANDARD 1.2 : APPLY CONCEPTS OF MATHEMATICS KNOWLEDGE

- 1.2.1 Identify whole numbers, decimals, and fractions
- 1.2.2 Demonstrate knowledge of arithmetic operations
- 1.2.3 Formulate data and measurements to solve a problem
- 1.2.4 Analyze mathematical problem statements
- 1.2.5 Construct charts/tables/graphs from functions and data
- 1.2.6 Critique data when interpreting operational documents

PERFORMANCE STANDARD 1.3 : APPLY CONCEPTS OF SCIENCE KNOWLEDGE

- 1.3.1 Evaluate scientific constructs including conclusions, conflicting data, controls, sources of error, and variables
- 1.3.2 Apply scientific method in qualitative and quantitative analysis
- 1.3.3 Recognize elements and their various states of matter

CONTENT STANDARD 2.0 : DEMONSTRATE THE USE OF COMMUNICATION**PERFORMANCE STANDARD 2.1 : SELECT AND EMPLOY APPROPRIATE READING AND COMMUNICATION STRATEGIES**

- 2.1.1 Identify the use of content, technical concepts, and vocabulary for analyzing information
- 2.1.2 Assess the reading strategy needed to fully comprehend a written document
- 2.1.3 Interpret information, data, and observations for application
- 2.1.4 Transcribe information, data, and apply information
- 2.1.5 Communicate information and apply to medical emergencies

PERFORMANCE STANDARD 2.2 : ENHANCE THE DIVERSITY TO ENHANCE SKILLS

- 2.2.1 Apply factors and strategies for communicating with diverse workforce
- 2.2.2 Demonstrate ability to communicate and resolve conflicts

PERFORMANCE STANDARD 2.3 : CREATE VERBAL AND NONVERBAL BEHAVIORS

- 2.3.1 Interpret verbal behaviors when communicating with clients and coworkers
- 2.3.2 Interpret nonverbal behaviors when communicating with clients and coworkers
- 2.3.3 Respond with restatement and clarification techniques
- 2.3.4 Exhibit public relations skills to increase internal and external satisfaction

CONTENT STANDARD 3.0 : DEMONSTRATE PROBLEM SOLVING AND CRITICAL THINKING**PERFORMANCE STANDARD 3.1 : UTILIZE CRITICAL THINKING SKILLS INDEPENDENTLY AND AS A TEAM**

- 3.1.1 Identify common tasks that require problem solving
- 3.1.2 Analyze elements of a problem to develop solutions
- 3.1.3 Identify alternatives using a variety of skills

PERFORMANCE STANDARD 3.2 : EMPLOY INTERPERSONAL SKILLS TO RESOLVE CONFLICTS

- 3.2.1 Analyze situations that affect conflict management
- 3.2.2 Determine outcomes and options
- 3.2.3 Implement stress management techniques
- 3.2.4 Demonstrate conflict resolution and reinforce positive outcomes

PERFORMANCE STANDARD 3.3 : MONITOR WORKPLACE PERFORMANCE GOALS

- 3.3.1 Write realistic performance goals, objectives, and action plans
- 3.3.2 Synthesize goals and adjust, as needed
- 3.3.3 Recognize achievement and use appropriate rewards in the workplace

PERFORMANCE STANDARD 3.4 : CONDUCT TECHNICAL RESEARCH

- 3.4.1 Align information gathered to meet the needs of the audience
- 3.4.2 Gather technical information using a variety of resources
- 3.4.3 Evaluate information and data to determine value of research

CONTENT STANDARD 4.0 : USE INFORMATION TECHNOLOGY TOOLS**PERFORMANCE STANDARD 4.1 : DIFFERENTIATE BETWEEN VARIOUS ELECTRONIC TASKS**

- 4.1.1 Use personal information management applications to increase workplace efficiency
- 4.1.2 Apply technological tools to expedite workflow
- 4.1.3 Operate electronic mail application to communicate
- 4.1.4 Critique internet applications to perform workplace tasks
- 4.1.5 Differentiate writing and publishing applications to prepare department communications

PERFORMANCE STANDARD 4.2 : ORGANIZE AND MANIPULATE TASKS

- 4.2.1 Operate computer based applications
- 4.2.2 Access support as needed to maintain operations
- 4.2.3 Manage and compress files for efficiency
- 4.2.4 Facilitate group work through management
- 4.2.5 Manage interrelated data elements
- 4.2.6 Perform calculations and analyses using spreadsheets

CONTENT STANDARD 5.0 : IDENTIFY KEY ORGANIZATIONAL SYSTEMS**PERFORMANCE STANDARD 5.1 : DESCRIBE THE SCOPE OF DEPARTMENTAL ORGANIZATIONS**

- 5.1.1 Differentiate the types and functions of EMS departments
- 5.1.2 Explain the interactions of common departments
- 5.1.3 Identify local, state, and national organizational systems
- 5.1.4 Complete National Incident Management System (NIMS) and Incident Command System (ICS) 100, 200, and 700
- 5.1.5 Identify career tracks within the EMS agencies

PERFORMANCE STANDARD 5.2 : IMPLEMENT QUALITY CONTROL SYSTEMS AND PRACTICES

- 5.2.1 Create quality control standards and practices
- 5.2.2 Use national and statewide standards to implement control practices

CONTENT STANDARD 6.0 : UNDERSTAND THE IMPORTANCE OF HEALTH, SAFETY, AND THE ENVIRONMENT
PERFORMANCE STANDARD 6.1 : IMPLEMENT PERSONAL AND DEPARTMENTAL SAFETY REGULATIONS

- 6.1.1 Assess workplace conditions with regard to safety and health
- 6.1.2 Identify and determine safety hazards
- 6.1.3 Select appropriate personal protective equipment
- 6.1.4 Employ safety hierarchy and communication systems
- 6.1.5 Implement safety precautions to maintain safe workplace

PERFORMANCE STANDARD 6.2 : APPLY EMPLOYEE RIGHTS AND RESPONSIBILITIES

- 6.2.1 Identify rules and laws designed to promote safety and health
- 6.2.2 Provide rationale for laws, regulations, and rules
- 6.2.3 Recognize reporting responsibilities for occupational exposures or injuries

PERFORMANCE STANDARD 6.3 : EMPLOY EMERGENCY PROCEDURES AND DISASTER RESPONSE PLANS

- 6.3.1 Conduct training on First Aid and CPR
- 6.3.2 Create a training plan for safety equipment training
- 6.3.3 Assess emergency and/or disaster situations
- 6.3.4 Evaluate an emergency or disaster plan
- 6.3.5 Identify and contrast systems of disaster response

PERFORMANCE STANDARD 6.4 : DESCRIBE AND APPLY HEALTHY BEHAVIORS

- 6.4.1 Analyze risk factors and consequences of unhealthy behaviors
- 6.4.2 Evaluate information and products as related to traditional and alternative healthcare
- 6.4.3 Develop a wellness plan that can be used in personal and professional life
- 6.4.4 Explain behaviors that promote health and wellness
- 6.4.5 Describe strategies for prevention of diseases including health screenings and examinations
- 6.4.6 Recognize practices and lifestyle choices (diet and physical activity) that promote prevention of disease and injury
- 6.4.7 Identify safety practices related to high-risk behaviors
- 6.4.8 Discuss complementary and alternative health practices
- 6.4.9 Recognize different types of stress
- 6.4.10 Develop healthy stress management techniques

CONTENT STANDARD 7.0 : UNDERSTAND THE IMPORTANCE OF ETHICS AND LEGAL RESPONSIBILITIES**PERFORMANCE STANDARD 7.1 : APPLY ETHICAL REASONING TO WORKPLACE SITUATIONS**

- 7.1.1 Evaluate alternative responses to legal responsibilities and employer policies
- 7.1.2 Identify personal and long-term workplace consequences for unethical behaviors
- 7.1.3 Create a plan to deal with legal and ethical considerations

PERFORMANCE STANDARD 7.2 : INTERPRET WRITTEN AGENCY POLICIES AND PROCEDURES

- 7.2.1 Critique departmental policies and procedures
- 7.2.2 Discuss the effect of policies and procedures on a specific work situation
- 7.2.3 Create standard operating procedures for a department or agency

CONTENT STANDARD 8.0 : USE LEADERSHIP AND TEAMWORK SKILLS**PERFORMANCE STANDARD 8.1 : EMPLOY LEADERSHIP SKILLS TO ACCOMPLISH GOALS AND OBJECTIVES**

- 8.1.1 Analyze various roles of leadership within organizations
- 8.1.2 Exhibit positive character traits and flexibility when interacting with others

PERFORMANCE STANDARD 8.2 : ESTABLISH AND MAINTAIN EFFECTIVE WORKING RELATIONSHIPS

- 8.2.1 Build effective working relationships using interpersonal skills
- 8.2.2 Demonstrate sensitivity to and value for diversity
- 8.2.3 Manage stress and control emotions
- 8.2.4 Recognize methods for building positive team relationships
- 8.2.5 Collaborate electronically with peers, experts, and others to create digital products

PERFORMANCE STANDARD 8.3 : USE TEAMWORK TO ACCOMPLISH GOALS AND OBJECTIVES

- 8.3.1 Work collaboratively toward common goals
- 8.3.2 Develop and communicate goals and objectives
- 8.3.3 Prioritize tasks to be completed
- 8.3.4 Develop timelines using time management knowledge and skills
- 8.3.5 Use project-management skills to improve workflow and efficiency
- 8.3.6 Collaborate with the healthcare team using healthcare information and technologies

CONTENT STANDARD 9.0 : DEMONSTRATE KNOWLEDGE AND TECHNICAL SKILLS**PERFORMANCE STANDARD 9.1 : IDENTIFY FUNDAMENTALS OF EMERGENCY MEDICAL SERVICES**

- 9.1.1 Define the roles and responsibilities of personnel in EMS systems
- 9.1.2 Recognize the role of evidence-based research in EMS development
- 9.1.3 Define quality assurance and continuous quality improvement
- 9.1.4 Discuss workforce safety and wellness, distinguishing between positive and negative coping methods
- 9.1.5 Understand principles of medical documentation and report writing
- 9.1.6 Incorporate dynamic team communication within EMS systems
- 9.1.7 Identify components of the EMS communication systems
- 9.1.8 Recognize principles of communicating with patients in a manner that achieves a positive relationship
- 9.1.9 Explain the importance, necessity, and legality of patient confidentiality
- 9.1.10 Compare various statutory responsibilities regarding standard of care
- 9.1.11 Identify mandated reporting situations
- 9.1.12 Recognize moral dilemmas in patient advocacy

PERFORMANCE STANDARD 9.2 : DESCRIBE THE STRUCTURE AND FUNCTION OF HUMAN BODY SYSTEMS

- 9.2.1 Use simple knowledge of upper airway, heart, vessels, blood, lungs, skin, muscles, and bones as a foundation of emergency care
- 9.2.2 Apply fundamental knowledge of human systems to the practice of EMS

PERFORMANCE STANDARD 9.3 : USE MEDICAL TERMINOLOGY

- 9.3.1 Memorize contextual clues to understand medical and anatomical terms
- 9.3.2 Apply foundational, anatomical, and medical terms and abbreviations in written and oral communication

PERFORMANCE STANDARD 9.4 : INCORPORATE PRINCIPLES OF PATHOPHYSIOLOGY

- 9.4.1 Use concepts to solve situational shock and respiratory compromise to respond to life threats
- 9.4.2 Apply fundamental knowledge of the pathophysiology of respiration and perfusion to patient assessment and management

PERFORMANCE STANDARD 9.5 : UNDERSTAND LIFE SPAN DEVELOPMENT

- 9.5.1 Distinguish age-related differences to assess and care for patients
- 9.5.2 Apply fundamental knowledge of life span development to patient assessment and management

PERFORMANCE STANDARD 9.6 : IDENTIFY EMS ROLE IN PUBLIC HEALTH
<p>9.6.1 Develop awareness of local public health resources and the role EMS personnel play in public health emergencies</p> <p>9.6.2 Distinguish the principles of illness and injury prevention in emergency care</p>
PERFORMANCE STANDARD 9.7 : UNDERSTAND FUNDAMENTALS OF PHARMACOLOGY
<p>9.7.1 Develop awareness of emergency medications</p> <p>9.7.2 Use simple knowledge of the medications that the EMS personnel may self-administer or administer to a peer in an emergency</p> <p>9.7.3 Apply fundamental knowledge of the medications that the EMS personnel may assist/administer to a patient during an emergency (e.g., Naloxone, aspirin, etc.)</p> <p>9.7.4 Understand medication safety principles</p>
PERFORMANCE STANDARD 9.8 : DESCRIBE TECHNIQUES OF AIRWAY MANAGEMENT
<p>9.8.1 Use knowledge of general anatomy and physiology to assure a patient airway, adequate mechanical ventilation, and respiration</p> <p>9.8.2 Apply knowledge of general anatomy and physiology to patient assessment and management in order to assure a patient airway, adequate mechanical ventilation, and respiration</p>
PERFORMANCE STANDARD 9.9 : DISCUSS RATIONALE FOR SYSTEMATIC ASSESSMENT
<p>9.9.1 Discuss the components of scene size-up and management</p> <p>9.9.2 Describe stages of primary assessment and immediate life-saving interventions</p> <p>9.9.3 Demonstrate components of medical history taking</p> <p>9.9.4 Demonstrate the skills involved in performing physical examination and assessment of vital signs</p> <p>9.9.5 Interpret diagnostic information using monitoring devices</p> <p>9.9.6 Exhibit ongoing assessment and reassessment</p>
PERFORMANCE STANDARD 9.10 : IDENTIFY MEDICAL EMERGENCIES
<p>9.10.1 Identify patients exhibiting general medical complaints</p> <p>9.10.2 Assess and manage patients with respiratory complaints</p> <p>9.10.3 Recognize and manage patients with cardiac complaints</p> <p>9.10.4 Assess and manage patients with diabetic and altered mental status complaints</p> <p>9.10.5 Assess and manage patients with allergic reactions</p> <p>9.10.6 Assess and manage patients with poisoning and overdose emergencies</p> <p>9.10.7 Assess and manage patients having an environmental emergency</p> <p>9.10.8 Assess and manage patients with behavioral emergencies</p> <p>9.10.9 Assess and manage patients experiencing an obstetrical or gynecological emergency</p>

PERFORMANCE STANDARD 9.11 : IDENTIFY SYMPTOMS AND TREATMENT OF SHOCK
9.11.1 Use assessment information to recognize shock
9.11.2 Apply fundamental knowledge of the causes, pathophysiology, and management of shock
PERFORMANCE STANDARD 9.12 : RECOGNIZE AND MANAGE TRAUMA EMERGENCIES
9.12.1 Apply fundamental knowledge of trauma systems and associated care
9.12.2 Recognize and manage various injuries associated with trauma
9.12.3 Develop awareness of special considerations in trauma treatment
9.12.4 Analyze and manage environmental emergencies
9.12.5 Assess and manage multi-system traumas
9.12.6 Assess and manage a Multi-Casualty Incident (MCI) using the National Incident Management System guidelines
PERFORMANCE STANDARD 9.13 : UNDERSTAND SPECIAL PATIENT POPULATIONS
9.13.1 Assess and manage emergencies involving obstetrics, neonates, pediatrics, geriatrics, and patients with special challenges
PERFORMANCE STANDARD 9.14 : UNDERSTAND EMS OPERATIONS
9.14.1 Identify safe operating procedures for a ground ambulance
9.14.2 Recognize and work within incident command system and perform triage
9.14.3 Assess and manage multiple casualty incidents
9.14.4 Describe safe air method operations and criteria for utilizing air medical response
9.14.5 Demonstrate extrication techniques
9.14.6 Identify hazardous materials scene procedures
9.14.7 Recognize risks and responsibilities of operating on the scene of a natural or man-made disaster
9.14.8 Demonstrate lifting and moving techniques

CONTENT STANDARD 10.0 : DEMONSTRATE EMPLOYABILITY SKILLS**PERFORMANCE STANDARD 10.1 : DEMONSTRATE JOB RETENTION AND LIFELONG LEARNING SKILLS**

- 10.1.1 Maintain an employment/career portfolio
- 10.1.2 Create strategies for balancing work and family roles
- 10.1.3 Demonstrate understanding of the need for lifelong learning in a rapidly changing job market
- 10.1.4 Identify strategies to maintain employment in the face of job reductions
- 10.1.5 Formulate strategies to achieve career goals
- 10.1.6 Investigate various educational options needed for job advancement
- 10.1.7 Develop interpersonal skills needed for job retention

CROSSWALKS AND ALIGNMENTS**CROSSWALKS (ACADEMIC STANDARDS)**

The crosswalk of the Emergency Medical Technician Standards shows links to the Nevada Academic Content Standards. The crosswalk identifies the performance indicators in which the learning objectives in the Emergency Medical Technician program support academic learning. The performance indicators are grouped according to their content standard and are crosswalked to the Nevada Academic Content Standards in English Language Arts, Mathematics, and Science.

ALIGNMENTS (MATHEMATICAL PRACTICES)

In addition to correlation with the Nevada Academic Content Standards for Mathematics, many performance indicators support the Mathematical Practices. The following table illustrates the alignment of the Emergency Medical Technician Standards Performance Indicators and the Mathematical Practices. This alignment identifies the performance indicators in which the learning objectives in the Emergency Medical Technician program support academic learning.

ALIGNMENTS (SCIENCE AND ENGINEERING PRACTICES)

In addition to correlation with the Nevada Academic Content Standards for Science, many performance indicators support the Science and Engineering Practices. The following table illustrates the alignment of the Emergency Medical Technician Standards Performance Indicators and the Science and Engineering Practices. This alignment identifies the performance indicators in which the learning objectives in the Emergency Medical Technician program support academic learning.

CROSSWALKS (COMMON CAREER TECHNICAL CORE)

The crosswalk of the Emergency Medical Technician Standards shows links to the Common Career Technical Core. The crosswalk identifies the performance indicators in which the learning objectives in the Emergency Medical Technician program support the Common Career Technical Core. The Common Career Technical Core defines what students should know and be able to do after completing instruction in a program of study. The Emergency Medical Technician Standards are crosswalked to the Health Science Career Cluster™ and the Therapeutic Services Career Pathway.

This Page was Intentionally Left Blank.

**CROSSWALK OF EMERGENCY MEDICAL TECHNICIAN STANDARDS
AND THE NEVADA ACADEMIC CONTENT STANDARDS**

CONTENT STANDARD 1.0: RELATE ACADEMIC FOUNDATIONS TO ACHIEVE SKILL REQUIREMENT

Performance Indicators	Nevada Academic Content Standards
1.1.3	<p>English Language Arts: Speaking and Listening Standards SL.11-12.6 Adapt speech to a variety of contexts and tasks, demonstrating a command of formal English when indicated or appropriate. (See grades 11–12 Language standards 1 and 3 on page 54 for specific expectations.)</p> <p>Math: Functions – Interpreting Functions FIF.C.7e Graph exponential and logarithmic functions, showing intercepts and end behavior, and trigonometric functions, showing period, midline, and amplitude.</p>
1.1.4	<p>English Language Arts: Speaking and Listening Standards SL.11-12.2 Integrate multiple sources of information presented in diverse formats and media (e.g., visually, quantitatively, orally) in order to make informed decisions and solve problems, evaluating the credibility and accuracy of each source and noting any discrepancies among the data.</p> <p>SL.11-12.3 Evaluate a speaker’s point of view, reasoning, and use of evidence and rhetoric, assessing the stance, premises, links among ideas, word choice, points of emphasis, and tone used.</p>
1.1.5	<p>Math: Statistics and Probability – Making Inferences and Justifying Conclusions SIC.A.1 Understand statistics as a process for making inferences about population parameters based on a random sample from that population.</p> <p>SIC.B.4 Use data from a sample survey to estimate a population mean or proportion; develop a margin of error through the use of simulation models for random sampling.</p>
1.1.6	<p>English Language Arts: Speaking and Listening Standards SL.11-12.4 Present information, findings, and supporting evidence, conveying a clear and distinct perspective, such that listeners can follow the line of reasoning, alternative or opposing perspectives are addressed, and the organization, development, substance, and style are appropriate to purpose, audience, and a range of formal and informal tasks.</p>

Performance Indicators	Nevada Academic Content Standards
1.2.1	<p>Math: Number & Quantity – Quantities</p> <p>NQ.A.1 Use units as a way to understand problems and to guide the solution of multi-step problems; choose and interpret units consistently in formulas; choose and interpret the scale and the origin in graphs and data displays.</p> <p>NQ.A.2 Define appropriate quantities for the purpose of descriptive modeling.</p> <p>NQ.A.3 Choose a level of accuracy appropriate to limitations on measurement when reporting quantities.</p> <p>Math: Number & Quantity – The Real Number System</p> <p>NRN.A.1 Explain how the definition of the meaning of rational exponents follows from extending the properties of integer exponents to those values, allowing for a notation for radicals in terms of rational exponents</p> <p>NRN.B.3 Explain why the sum or product of two rational numbers is rational; that the sum of a rational number and an irrational number is irrational; and that the product of a nonzero rational number and an irrational number is irrational.</p>
1.2.2	<p>Math: Number & Quantity – The Real Number System</p> <p>NRN.A.1 Explain how the definition of the meaning of rational exponents follows from extending the properties of integer exponents to those values, allowing for a notation for radicals in terms of rational exponents</p> <p>NRN.B.3 Explain why the sum or product of two rational numbers is rational; that the sum of a rational number and an irrational number is irrational; and that the product of a nonzero rational number and an irrational number is irrational.</p>
1.2.3	<p>Math: Algebra – Creating Equations</p> <p>ACED.A.1 Create equations and inequalities in one variable and use them to solve problems.</p> <p>ACED.A.2 Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales.</p> <p>ACED.A.3 Represent constraints by equations or inequalities, and by systems of equations and/or inequalities, and interpret solutions as viable or nonviable options in a modeling context.</p> <p>ACED.A.4 Rearrange formulas to highlight a quantity of interest, using the same reasoning as in solving equations.</p>

Performance Indicators	Nevada Academic Content Standards
1.2.4	<p>Math: Algebra – Creating Equations ACED.A.4 Rearrange formulas to highlight a quantity of interest, using the same reasoning as in solving equations.</p> <p>Math: Functions – Linear, Quadratic, and Exponential Models FLE.A.1 Distinguish between situations that can be modeled with linear functions and with exponential functions.</p> <p>Math: Algebra – Reasoning with Equations and Inequalities AREI.A.1 Explain each step in solving a simple equation as following from the equality of numbers asserted at the previous step, starting from the assumption that the original equation has a solution. Construct a viable argument to justify a solution method. AREI.A.2 Solve simple rational and radical equations in one variable, and give examples showing how extraneous solutions may arise. AREI.B.3 Solve linear equations and inequalities in one variable, including equations with coefficients represented by letters.</p> <p>Math: Algebra – Seeing Structure in Expressions ASSE.A.1 Interpret expressions that represent a quantity in terms of its context. ASSE.A.1a Interpret parts of an expression, such as terms, factors, and coefficients. ASSE.A.1b Interpret complicated expressions by viewing one or more of their parts as a single entity.</p>
1.2.5	<p>Math: Algebra – Creating Equations ACED.A.1 Create equations and inequalities in one variable and use them to solve problems. ACED.A.2 Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales.</p> <p>Math: Statistics and Probability – Interpreting Categorical and Quantitative Data SID.A.1 Represent data with plots on the real number line (dot plots, histograms, and box plots).</p>
1.2.6	<p>Math: Statistics and Probability – Interpreting Categorical and Quantitative Data SID.A.4 Use the mean and standard deviation of a data set to fit it to a normal distribution and to estimate population percentages. Recognize that there are data sets for which such a procedure is not appropriate. Use calculators, spreadsheets, and tables to estimate areas under the normal curve.</p> <p>Math: Statistics and Probability – Making Inferences and Justifying Conclusions SIC.A.1 Understand statistics as a process for making inferences about population parameters based on a random sample from that population.</p>
1.3.1	<p>Science: HS-Matter and Its Interactions HS-PS1-7 Use mathematical representations to support the claim that atoms, and therefore mass, are conserved during a chemical reaction.</p>
1.3.2	<p>Science: HS-Matter and Its Interactions HS-PS1-3 Plan and conduct an investigation to gather evidence to compare the structure of substances at the bulk scale to infer the strength of electrical forces between particles.</p>

Performance Indicators	Nevada Academic Content Standards
1.3.3	Science: HS-Matter and Its Interactions HS-PS1-1 Use the periodic table as a model to predict the relative properties of elements based on the patterns of electrons in the outermost energy level of atoms.

CONTENT STANDARD 2.0: DEMONSTRATE THE USE OF COMMUNICATION

Performance Indicators	Nevada Academic Content Standards
2.1.1	<p>Math: Algebra – Seeing Structure in Expressions ASSE.A.1 Interpret expressions that represent a quantity in terms of its context.</p> <p>Math: Functions – Interpreting Functions FIF.B.4 For a function that models a relationship between two quantities, interpret key features of graphs and tables in terms of the quantities, and sketch graphs showing key features given a verbal description of the relationship.</p>
2.1.2	<p>English Language Arts: Reading Standards for Literacy in Science and Technical Subjects RST.11-12.2 Determine the central ideas or conclusions of a text; summarize complex concepts, processes, or information presented in a text by paraphrasing them in simpler but still accurate terms.</p>
2.1.3	<p>Science: HS-Matter and Its Interactions HS-PS1-7 Use mathematical representations to support the claim that atoms, and therefore mass, are conserved during a chemical reaction.</p>
2.1.4	<p>English Language Arts: Reading Standards for Literacy in Science and Technical Subjects RST.11-12.7 Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.</p> <p>English Language Arts: Writing Standards for Literacy in Science and Technical Subjects WHST.11-12.1 Write arguments focused on discipline-specific content. WHST.11-12.4 Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.</p>
2.2.1	<p>English Language Arts: Speaking and Listening Standards SL.11-12.1d Respond thoughtfully to diverse perspectives; synthesize comments, claims, and evidence made on all sides of an issue; resolve contradictions when possible; and determine what additional information or research is required to deepen the investigation or complete the task.</p> <p>SL.11-12.3 Evaluate a speaker’s point of view, reasoning, and use of evidence and rhetoric, assessing the stance, premises, links among ideas, word choice, points of emphasis, and tone used.</p> <p>SL.11-12.6 Adapt speech to a variety of contexts and tasks, demonstrating a command of formal English when indicated or appropriate. (See grades 11–12 Language standards 1 and 3 on page 54 for specific expectations.)</p>
2.2.2	<p>English Language Arts: Speaking and Listening Standards SL.11-12.1d Respond thoughtfully to diverse perspectives; synthesize comments, claims, and evidence made on all sides of an issue; resolve contradictions when possible; and determine what additional information or research is required to deepen the investigation or complete the task.</p>

Performance Indicators	Nevada Academic Content Standards
2.3.1	<p>English Language Arts: Speaking and Listening Standards</p> <p>SL.11-12.1c Propel conversations by posing and responding to questions that probe reasoning and evidence; ensure a hearing for a full range of positions on a topic or issue; clarify, verify, or challenge ideas and conclusions; and promote divergent and creative perspectives.</p> <p>SL.11-12.3 Evaluate a speaker’s point of view, reasoning, and use of evidence and rhetoric, assessing the stance, premises, links among ideas, word choice, points of emphasis, and tone used.</p>
2.3.3	<p>English Language Arts: Speaking and Listening Standards</p> <p>SL.11-12.1d Respond thoughtfully to diverse perspectives; synthesize comments, claims, and evidence made on all sides of an issue; resolve contradictions when possible; and determine what additional information or research is required to deepen the investigation or complete the task.</p>

CONTENT STANDARD 3.0: DEMONSTRATE PROBLEM SOLVING AND CRITICAL THINKING

Performance Indicators	Nevada Academic Content Standards
3.1.2	<p>English Language Arts: Speaking and Listening Standards SL.11-12.1 Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grades 11–12 topics, texts, and issues, building on others’ ideas and expressing their own clearly and persuasively.</p> <p>Math: Algebra – Seeing Structure in Expressions ASSE.A.1a Interpret parts of an expression, such as terms, factors, and coefficients.</p>
3.1.3	<p>English Language Arts: Speaking and Listening Standards SL.11-12.1b Work with peers to promote civil, democratic discussions and decision-making, set clear goals and deadlines, and establish individual roles as needed.</p> <p>SL.11-12.2 Integrate multiple sources of information presented in diverse formats and media (e.g., visually, quantitatively, orally) in order to make informed decisions and solve problems, evaluating the credibility and accuracy of each source and noting any discrepancies among the data.</p>
3.2.1	<p>English Language Arts: Speaking and Listening Standards SL.11-12.1c Propel conversations by posing and responding to questions that probe reasoning and evidence; ensure a hearing for a full range of positions on a topic or issue; clarify, verify, or challenge ideas and conclusions; and promote divergent and creative perspectives.</p> <p>SL.11-12.3 Evaluate a speaker’s point of view, reasoning, and use of evidence and rhetoric, assessing the stance, premises, links among ideas, word choice, points of emphasis, and tone used.</p> <p>English Language Arts: Writing Standards for Literacy in Science and Technical Subjects WHST.11-12.1 Write arguments focused on discipline-specific content. WHST.11-12.1a Introduce precise, knowledgeable claim(s), establish the significance of the claim(s), distinguish the claim(s) from alternate or opposing claims, and create an organization that logically sequences the claim(s), counterclaims, reasons, and evidence.</p>
3.2.2	<p>English Language Arts: Speaking and Listening Standards SL.11-12.1b Work with peers to promote civil, democratic discussions and decision-making, set clear goals and deadlines, and establish individual roles as needed.</p> <p>SL.11-12.1c Propel conversations by posing and responding to questions that probe reasoning and evidence; ensure a hearing for a full range of positions on a topic or issue; clarify, verify, or challenge ideas and conclusions; and promote divergent and creative perspectives.</p> <p>SL.11-12.1d Respond thoughtfully to diverse perspectives; synthesize comments, claims, and evidence made on all sides of an issue; resolve contradictions when possible; and determine what additional information or research is required to deepen the investigation or complete the task.</p> <p>English Language Arts: Writing Standards for Literacy in Science and Technical Subjects WHST.11-12.9 Draw evidence from informational texts to support analysis, reflection, and research.</p>

Performance Indicators	Nevada Academic Content Standards
3.3.1	<p>English Language Arts: Language Standards L.11-12.2b Spell correctly. L.11-12.3 Apply knowledge of language to understand how language functions in different contexts, to make effective choices for meaning or style, and to comprehend more fully when reading or listening.</p> <p>English Language Arts: Writing Standards for Literacy in Science and Technical Subjects WHST.11-12.4 Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.</p>
3.3.2	<p>English Language Arts: Writing Standards W.11-12.3d Use precise words and phrases, telling details, and sensory language to convey a vivid picture of the experiences, events, setting, and/or characters.</p>
3.3.3	<p>Math: Statistics and Probability – Making Inferences and Justifying Conclusions SIC.A.1 Understand statistics as a process for making inferences about population parameters based on a random sample from that population. SIC.A.2 Decide if a specified model is consistent with results from a given data-generating process, e.g., using simulation.</p>
3.4.1	<p>English Language Arts: Language Standards L.11-12.6 Acquire and use accurately general academic and domain-specific words and phrases, sufficient for reading, writing, speaking, and listening at the college and career readiness level; demonstrate independence in gathering vocabulary knowledge when considering a word or phrase important to comprehension or expression.</p>
3.4.2	<p>English Language Arts: Reading Standards for Literacy in Science and Technical Subjects RST.11-12.7 Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.</p> <p>English Language Arts: Writing Standards for Literacy in Science and Technical Subjects WHST.11-12.9 Draw evidence from informational texts to support analysis, reflection, and research.</p>
3.4.3	<p>English Language Arts: Reading Standards for Literacy in Science and Technical Subjects RST.11-12.1 Cite specific textual evidence to support analysis of science and technical texts, attending to important distinctions the author makes and to any gaps or inconsistencies in the account. RST.11-12.8 Evaluate the hypotheses, data, analysis, and conclusions in a science or technical text, verifying the data when possible and corroborating or challenging conclusions with other sources of information. RST.11-12.9 Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.</p> <p>English Language Arts: Writing Standards for Literacy in Science and Technical Subjects WHST.11-12.2 Write informative/explanatory texts, including the narration of historical events, scientific procedures/ experiments, or technical processes.</p>

CONTENT STANDARD 4.0: USE INFORMATION TECHNOLOGY TOOLS

Performance Indicators	Nevada Academic Content Standards
4.1.4	English Language Arts: Writing Standards for Literacy in Science and Technical Subjects WHST.11-12.6 Use technology, including the Internet, to produce, publish, and update individual or shared writing products in response to ongoing feedback, including new arguments or information.

CONTENT STANDARD 5.0: IDENTIFY KEY ORGANIZATIONAL SYSTEMS

Performance Indicators	Nevada Academic Content Standards
5.1.1	<p>English Language Arts: Reading Standards for Literacy in Science and Technical Subjects RST.11-12.4 Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 11–12 texts and topics.</p> <p>English Language Arts: Writing Standards for Literacy in Science and Technical Subjects WHST.11-12.1 Write arguments focused on discipline-specific content. WHST.11-12.6 Use technology, including the Internet, to produce, publish, and update individual or shared writing products in response to ongoing feedback, including new arguments or information. WHST.11-12.9 Draw evidence from informational texts to support analysis, reflection, and research.</p>
5.1.2	<p>English Language Arts: Writing Standards for Literacy in Science and Technical Subjects WHST.11-12.4 Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience. WHST.11-12.8 Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.</p>
5.2.1	<p>English Language Arts: Writing Standards for Literacy in Science and Technical Subjects WHST.11-12.2 Write informative/explanatory texts, including the narration of historical events, scientific procedures/ experiments, or technical processes.</p>

CONTENT STANDARD 6.0: UNDERSTAND THE IMPORTANCE OF HEALTH, SAFETY, AND THE ENVIRONMENT

Performance Indicators	Nevada Academic Content Standards
6.2.1	<p>English Language Arts: Reading Standards for Literacy in Science and Technical Subjects</p> <p>RST.11-12.1 Cite specific textual evidence to support analysis of science and technical texts, attending to important distinctions the author makes and to any gaps or inconsistencies in the account.</p> <p>RST.11-12.2 Determine the central ideas or conclusions of a text; summarize complex concepts, processes, or information presented in a text by paraphrasing them in simpler but still accurate terms.</p> <p>English Language Arts: Writing Standards for Literacy in Science and Technical Subjects</p> <p>WHST.11-12.1 Write arguments focused on discipline-specific content.</p> <p>WHST.11-12.1a Introduce precise, knowledgeable claim(s), establish the significance of the claim(s), distinguish the claim(s) from alternate or opposing claims, and create an organization that logically sequences the claim(s), counterclaims, reasons, and evidence.</p> <p>WHST.11-12.1b Develop claim(s) and counterclaims fairly and thoroughly, supplying the most relevant data and evidence for each while pointing out the strengths and limitations of both claim(s) and counterclaims in a discipline-appropriate form that anticipates the audience’s knowledge level, concerns, values, and possible biases.</p> <p>WHST.11-12.1c Use words, phrases, and clauses as well as varied syntax to link the major sections of the text, create cohesion, and clarify the relationships between claim(s) and reasons, between reasons and evidence, and between claim(s) and counterclaims.</p> <p>WHST.11-12.1d Establish and maintain a formal style and objective tone while attending to the norms and conventions of the discipline in which they are writing.</p>
6.3.2	<p>English Language Arts: Writing Standards for Literacy in Science and Technical Subjects</p> <p>WHST.11-12.2 Write informative/explanatory texts, including the narration of historical events, scientific procedures/ experiments, or technical processes.</p> <p>WHST.11-12.4 Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.</p> <p>WHST.11-12.6 Use technology, including the Internet, to produce, publish, and update individual or shared writing products in response to ongoing feedback, including new arguments or information.</p>
6.3.3	<p>English Language Arts: Writing Standards for Literacy in Science and Technical Subjects</p> <p>WHST.11-12.9 Draw evidence from informational texts to support analysis, reflection, and research.</p>
6.3.4	<p>English Language Arts: Writing Standards for Literacy in Science and Technical Subjects</p> <p>WHST.11-12.2 Write informative/explanatory texts, including the narration of historical events, scientific procedures/ experiments, or technical processes.</p> <p>WHST.11-12.4 Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.</p> <p>WHST.11-12.6 Use technology, including the Internet, to produce, publish, and update individual or shared writing products in response to ongoing feedback, including new arguments or information.</p>

Performance Indicators	Nevada Academic Content Standards
6.4.5	Science: HS-Biological Evolution: Unity and Diversity HS-LS4-3 Apply concepts of statistics and probability to support explanations that organisms with an advantageous heritable trait tend to increase in proportion to organisms lacking this trait.

CONTENT STANDARD 7.0: UNDERSTAND THE IMPORTANCE OF ETHICS AND LEGAL RESPONSIBILITIES

Performance Indicators	Nevada Academic Content Standards
7.1.3	<p>English Language Arts: Writing Standards for Literacy in Science and Technical Subjects</p> <p>WHST.11-12.2 Write informative/explanatory texts, including the narration of historical events, scientific procedures/ experiments, or technical processes.</p> <p>WHST.11-12.2b Develop the topic thoroughly by selecting the most significant and relevant facts, extended definitions, concrete details, quotations, or other information and examples appropriate to the audience’s knowledge of the topic.</p> <p>WHST.11-12.4 Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.</p> <p>WHST.11-12.6 Use technology, including the Internet, to produce, publish, and update individual or shared writing products in response to ongoing feedback, including new arguments or information.</p>
7.2.1	<p>English Language Arts: Reading Standards for Literacy in Science and Technical Subjects</p> <p>RST.11-12.8 Evaluate the hypotheses, data, analysis, and conclusions in a science or technical text, verifying the data when possible and corroborating or challenging conclusions with other sources of information.</p>
7.2.2	<p>English Language Arts: Speaking and Listening Standards</p> <p>SL.11-12.1 Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grades 11–12 topics, texts, and issues, building on others’ ideas and expressing their own clearly and persuasively.</p> <p>SL.11-12.1a Come to discussions prepared, having read and researched material under study; explicitly draw on that preparation by referring to evidence from texts and other research on the topic or issue to stimulate a thoughtful, well reasoned exchange of ideas.</p> <p>SL.11-12.1c Propel conversations by posing and responding to questions that probe reasoning and evidence; ensure a hearing for a full range of positions on a topic or issue; clarify, verify, or challenge ideas and conclusions; and promote divergent and creative perspectives.</p>

CONTENT STANDARD 8.0: USE LEADERSHIP AND TEAMWORK SKILLS

Performance Indicators	Nevada Academic Content Standards
8.1.1	<p>English Language Arts: Reading Standards for Literacy in Science and Technical Subjects RST.11-12.9 Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.</p>
8.2.2	<p>English Language Arts: Speaking and Listening Standards SL.11-12.6 Adapt speech to a variety of contexts and tasks, demonstrating a command of formal English when indicated or appropriate. (See grades 11–12 Language standards 1 and 3 on page 54 for specific expectations.)</p>
8.2.4	<p>English Language Arts: Writing Standards for Literacy in Science and Technical Subjects WHST.11-12.8 Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.</p>
8.3.2	<p>English Language Arts: Reading Standards for Literacy in Science and Technical Subjects RST.11-12.3 Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks; analyze the specific results based on explanations in the text.</p>

CONTENT STANDARD 9.0: DEMONSTRATE KNOWLEDGE AND TECHNICAL SKILLS

Performance Indicators	Nevada Academic Content Standards
9.1.2	Science: HS-Ecosystems: Interactions, Energy, and Dynamics HS-LS2-8 Evaluate the evidence for the role of group behavior on individual and species' chances to survive and reproduce.
9.1.4	English Language Arts: Speaking and Listening Standards SL.11-12.1 Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grades 11–12 topics, texts, and issues, building on others' ideas and expressing their own clearly and persuasively.
9.1.6	English Language Arts: Speaking and Listening Standards SL.11-12.4 Present information, findings, and supporting evidence, conveying a clear and distinct perspective, such that listeners can follow the line of reasoning, alternative or opposing perspectives are addressed, and the organization, development, substance, and style are appropriate to purpose, audience, and a range of formal and informal tasks.
9.1.8	English Language Arts: Speaking and Listening Standards SL.11-12.4 Present information, findings, and supporting evidence, conveying a clear and distinct perspective, such that listeners can follow the line of reasoning, alternative or opposing perspectives are addressed, and the organization, development, substance, and style are appropriate to purpose, audience, and a range of formal and informal tasks.
9.2.2	Science: HS-Ecosystems: Interactions, Energy, and Dynamics HS-LS2-8 Evaluate the evidence for the role of group behavior on individual and species' chances to survive and reproduce.
9.4.1	Science: HS-Ecosystems: Interactions, Energy, and Dynamics HS-LS2-5 Develop a model to illustrate the role of photosynthesis and cellular respiration in the cycling of carbon among the biosphere, atmosphere, hydrosphere, and geosphere.
9.5.1	Science: HS-Biological Evolution: Unity and Diversity HS-LS4-1 Communicate scientific information that common ancestry and biological evolution are supported by multiple lines of empirical evidence.
9.9.1	English Language Arts: Speaking and Listening Standards SL.11-12.1 Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grades 11–12 topics, texts, and issues, building on others' ideas and expressing their own clearly and persuasively.
9.9.3	English Language Arts: Speaking and Listening Standards SL.11-12.3 Evaluate a speaker's point of view, reasoning, and use of evidence and rhetoric, assessing the stance, premises, links among ideas, word choice, points of emphasis, and tone used. English Language Arts: Writing Standards for Literacy in Science and Technical Subjects WHST.11-12.2b Develop the topic thoroughly by selecting the most significant and relevant facts, extended definitions, concrete details, quotations, or other information and examples appropriate to the audience's knowledge of the topic.

Performance Indicators	Nevada Academic Content Standards
9.9.5	<p>English Language Arts: Reading Standards for Literacy in Science and Technical Subjects RST.11-12.7 Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.</p>
9.10.7	<p>Science: HS-Biological Evolution: Unity and Diversity HS-LS4-5 Evaluate the evidence supporting claims that changes in environmental conditions may result in: (1) increases in the number of individuals of some species, (2) the emergence of new species over time, and (3) the extinction of other species.</p>
9.14.1	<p>English Language Arts: Reading Standards for Literacy in Science and Technical Subjects RST.11-12.4 Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 11–12 texts and topics.</p>

CONTENT STANDARD 10.0: DEMONSTRATE EMPLOYABILITY SKILLS

Performance Indicators	Nevada Academic Content Standards
10.1.1	English Language Arts: Writing Standards for Literacy in Science and Technical Subjects WHST.11-12.10 Write routinely over extended time frames (time for reflection and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.

**ALIGNMENT OF EMERGENCY MEDICAL TECHNICIAN STANDARDS
AND THE MATHEMATICAL PRACTICES**

Mathematical Practices	Emergency Medical Technician Performance Indicators
1. Make sense of problems and persevere in solving them.	1.2.4, 1.2.6; 1.3.1; 3.4.3
2. Reason abstractly and quantitatively.	1.2.1, 1.2.4, 1.2.6; 1.3.2; 3.4.3
3. Construct viable arguments and critique the reasoning of others.	1.2.1 4.1.1, 4.1.8
4. Model with mathematics.	1.2.3; 1.3.1
5. Use appropriate tools strategically.	1.2.2, 1.2.3, 1.2.5, 1.2.6; 1.3.2 4.1.2; 4.2.5, 4.2.6 8.3.4 9.7.2, 9.7.3; 9.9.3-9.9.5; 9.10.2-9.10.9; 9.12.1, 9.12.2, 9.12.4 9.12.5; 9.13.1; 9.14.2, 9.14.3, 9.14.5, 9.14.8
6. Attend to precision.	1.2.2, 1.2.3, 1.2.5, 1.2.6; 1.3.2 4.1.2; 4.2.5, 4.2.6 8.3.4 9.7.2, 9.7.3; 9.9.3-9.9.5; 9.10.2-9.10.9; 9.12.1, 9.12.2, 9.12.4 9.12.5; 9.13.1; 9.14.2, 9.14.3, 9.14.5, 9.14.8
7. Look for and make use of structure.	1.2.3, 1.2.4
8. Look for and express regularity in repeated reasoning.	

**ALIGNMENT OF EMERGENCY MEDICAL TECHNICIAN STANDARDS
AND THE SCIENCE AND ENGINEERING PRACTICES**

Science and Engineering Practices	Emergency Medical Technician Performance Indicators
1. Asking questions (for science) and defining problems (for engineering).	3.1.1 4.1.2
2. Developing and using models.	9.3.2; 9.9.5; 9.12.6
3. Planning and carrying out investigations.	1.3.2 9.4.2
4. Analyzing and interpreting data.	1.2.1, 1.2.2, 1.2.6; 1.3.1 2.1.3 4.2.5
5. Using mathematics and computational thinking.	1.2.3, 1.2.4
6. Constructing explanations (for science) and designing solutions (for engineering).	3.4.3 9.9.6
7. Engaging in argument from evidence.	2.1.4 9.5.2
8. Obtaining, evaluating, and communicating information.	1.1.2, 1.1.4, 1.1.6

**CROSSWALKS OF EMERGENCY MEDICAL TECHNICIAN STANDARDS
AND THE COMMON CAREER TECHNICAL CORE**

Health Science Career Cluster™ (HL)	Performance Indicators
1. Determine academic subject matter, in addition to high school graduation requirements, necessary for pursuing a health science career.	1.1.2; 5.1.5; 9.3.1; 10.1.5
2. Explain the healthcare worker’s role within their department, their organization, and the overall healthcare system.	5.1.1, 5.1.3 8.3.1; 10.1.6
3. Identify existing and potential hazards to clients, coworkers, visitors, and self in the healthcare workplace.	6.1.1, 6.1.2; 6.2.1, 6.2.3 9.1.4; 9.14.1
4. Evaluate the roles and responsibilities of individual members as part of the healthcare team and explain their role in promoting the delivery of quality health care.	5.1.2; 7.2.1; 8.3.2; 9.1.1
5. Analyze the legal and ethical responsibilities, limitations and implications of actions within the healthcare workplace.	5.2.2 7.1.1, 7.1.2, 7.1.3
6. Evaluate accepted ethical practices with respect to cultural, social and ethnic differences within the healthcare workplace.	6.4.8; 7.1.1; 8.2.2

Therapeutic Services Career Pathway (HL-THR)	Performance Indicators
1. Utilize communication strategies to answer patient/client questions and concerns on planned procedures and goals.	1.1.1; 2.2.1 9.1.6; 9.3.2
2. Communicate patient/client information among healthcare team members to facilitate a team approach to patient care.	1.1.1; 2.3.1; 9.1.8
3. Utilize processes for assessing, monitoring and reporting patient’s/clients’ health status to the treatment team within protocol and scope of practice.	1.1.2, 1.1.5; 4.1.2 5.2.1; 7.2.3; 9.1.10
4. Evaluate patient/client needs, strengths and problems in order to determine if treatment goals are being met.	6.2.2; 7.2.1; 9.1.3