TEEM 1201 - Advanced Emergency Medical Technician (7 Credits)

Course Description

Advanced Emergency Medical Technicians provide basic and limited advanced emergency medical care and transportation for critical and emergent patients who access the emergency medical system (EMS). Advanced Emergency Medical Technicians (AEMTs) possess the basic knowledge and skills necessary to provide patient care and transportation. Advanced Emergency Medical Technicians function as part of a comprehensive EMS response, under medical oversight. Advanced Emergency Medical Technicians perform interventions with the basic and advanced equipment typically found on an ambulance. The Advanced Emergency Medical Technician is a link from the scene to the emergency health care system.

Course Objectives

• Demonstrate fundamental skills and knowledge of the following areas: the EMS system, the safety/well-being of the AEMT, and the medical, legal, and ethical issues to the provision of emergency care
• Integrate complex knowledge of the anatomy and physiology of the airway, respiratory, and circulatory systems to the practice of EMS
• Use foundational anatomical and medical terms and abbreviations in written and oral communication with colleagues and other health care professionals
• Apply comprehensive knowledge of the pathophysiology of respiration and perfusion to patient assessment and management
• Apply fundamental knowledge of lifespan development to patient assessment and management
• Utilize the foundational principles of the role of EMS during public health emergencies
• Apply (to patient assessment and management) fundamental knowledge of the medications carried by AEMTs that may be administered to a patient during an emergency
• Apply knowledge (fundamental depth, foundational breadth) of anatomy and physiology to patient assessment and management in order to assure a patient airway, adequate mechanical ventilation, and respiration for patients of all ages
• Interpret scene information and patient assessment findings (scene size-up, primary and secondary assessment, patient history, reassessment) to guide emergency management
• Provide basic and selected advanced emergency care and transportation based on assessment findings for an acutely ill patient
• Provide basic and selected advanced emergency care and transportation based on assessment findings for a patient in shock, respiratory failure or arrest, cardiac failure or arrest, and post-resuscitation management
• Provide basic and selected advanced emergency care and transportation based on assessment findings for an acutely injured patient
• Utilize principles of growth, development, aging, and assessment findings to provide basic and selected advanced emergency care and transportation for a patient with special needs
• Perform in accordance with operational roles and responsibilities to ensure patient, public, and personnel safety when responding to an emergency

Course Outline

• Preparing for Advanced Emergency Medical Technician Practice
• Human Development, Health and Disease
• Pharmacology
• Assessment and Management
• Medical Emergencies
• Trauma
• Special Patient Populations
• Rescue and Special Operations
• Final Testing

Classroom Hours

Start: 8-10-2024
End: 12-21-2024

Saturday
9AM - 5PM

For a full list of course hours visit:

https://stech.edu/course-schedules/

Instructor Contact Information

Rachel Stewart — rstewart@stech.edu

Office Hours: By appointment

Email is the preferred method of communication; you will receive a response within 24 hours during regular business hours.

Canvas Information

Canvas is the where course content, grades, and communication will reside for this course.
• stech.instructure.com
• For Canvas, Passwords, or any other computer-related technical support contact Student Services.
• Regular Hours and Weekdays (435) 586 - 2899
• After Hours & Weekends (435) 865 - 3929 (Leave a message if no response)

Course Policies

The EMS Program follows the guidelines and standards outlined in the EMS Student Handbook. Detailed information on program requirements, expectations, grading policies, attendance, and uniform guidelines is available in the handbook. Students are expected to review these topics to ensure compliance and successful progression through the program.

Campus Requirements

InformaCast Statement: Southwest Tech uses InformaCast to ensure the safety and well-being of our students. In times of emergency, such as weather closures and delays, this app allows us to promptly deliver notifications directly to your mobile devices. To stay informed and receive real-time updates, we encourage all students to sign up for notifications. Your safety is our priority, and staying connected ensures a swift response to any unforeseen circumstances. More information and directions for signing up are available at:

https://stech.edu/emergency-notifications/

Internet Acceptable Use Policy: The student is expected to review and follow the Southwest Technical College Internet Safety Policy at:

https://stech.edu/students/policies/

Student Code of Conduct Policy: The student is expected to review and follow the Southwest Technical College Student Code of Conduct Policy at:

https://stech.edu/students/policies/

Accommodations: Students with medical, psychological, learning, or other disabilities desiring accommodations or services under ADA, must contact the Student Services Office. Student Services determines eligibility for and authorizes the provision of these accommodations and services. Students must voluntarily disclose that they have a disability, request an accommodation, and provide documentation of their disability. Students with disabilities may apply for accommodations, based on an eligible disability, through the Student Services office located at 757 W. 800 S., Cedar City, UT 84720, and by phone at (435) 586-2899. No diagnostic services are currently available through Southwest Technical College.

Safety and Building Maintenance: The College has developed and follows a variety of plans to ensure the safe and effective operation of its facilities and programs. The following plans are available online: 1) Facilities Operations and Maintenance Plan; 2) Technical Infrastructure Plan; and 3) Health and Safety Plan.

Withdrawals and Refunds: Please refer to the Southwest Technical College Refund Policy at:

https://stech.edu/students/policies/

Any high school or adult student, who declares a technical training objective is eligible for admission at Southwest Technical College (Southwest Tech). Program-specific admissions requirements may exist and will be listed on the Southwest Tech website. A high school diploma or equivalent is not required for admission but is mandatory for students seeking Title IV Federal Financial Aid.

Non-Discriminatory Policy: Southwest Technical College affirms its commitment to promote the goals of fairness and equity in all aspects of the educational enterprise, and bases its policies on the idea of global human dignity.

Southwest Tech is committed to a policy of nondiscrimination. No otherwise qualified person may be excluded from participation in or be subjected to discrimination in any course, program or activity because of race, age, color, religion, sex, pregnancy, national origin or disability. Southwest Technical College does not discriminate on the basis of sex in the education programs or activities that it operates, as required by Title IX and 34 CFR part 106. The requirement not to discriminate in education programs or activities extends to admission and employment. Inquiries about Title IX and its regulations to STECH may be referred to the Title IX Coordinator, to the Department of Education, and/or to the Office for Civil rights.

If you believe you have experienced discrimination or harassment on our campus, please contact the Title IX Coordinator, Cory Estes: cestes@stech.edu, (435) 865-3938.

For special accommodations, please contact the ADA Coordinator, Cyndie Tracy: ctracy@stech.edu, (435) 865-3944.

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