

TEEM 1202 - Advanced Emergency Medical Technician (6 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 comprehensive knowledge of EMS and perform in accordance with operational roles, prioritizing safety and addressing legal and ethical considerations when providing emergency care.
- Integrate and apply comprehensive knowledge of airway, respiratory, and circulatory anatomy and physiology into EMS
 practice to assess and manage patients, ensuring optimal airway, mechanical ventilation, and respiration across all age
 groups.
- Utilize scene information and interpret patient assessment findings to guide and provide emergency care and transportation for patients with acute injuries, illnesses, shock, respiratory or cardiac failure/arrest, and post-resuscitation management.
- Utilize medical terminology for effective communication with healthcare professionals.
- Apply foundational EMS principles and knowledge of lifespan development to assess, manage, and provide emergency care and transportation during health emergencies and for patients with special needs.
- Demonstrate expertise in administering AEMT-carried medications in emergency scenarios.

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

Textbook & Reading Materials

AEMT: Advanced Emergency Care and Transportation of the Sick and Injured Advantage Package Fourth Edition, American Academy of Orthopaedic Surgeons (AAOS), ISBN: 9781284228144

Assignments and Assessments

Orientation

Orientation Acknowledgement

Instructor Guide Manage Groups Link Manage Reports Link Announcements

TestPrep

Soft-Skill Simulations

Virtual Mentor Lecture Series Video: Crew Resource

Management: Concepts

Virtual Mentor Lecture Series Video: Crew Resource

Management: Elements

Virtual Mentor Lecture Series Video: Radio Communications

Virtual Mentor Lecture Series Video: Crew Resource

Management: Team Leader

Virtual Mentor Lecture Series Video: Crew Resource

Management: Team Member Chapter 1 EMS Systems Learning Objectives: Chapter 1

Flashcards: Chapter 1 Audiobook: Chapter 1 Slides: Chapter 1

Lecture Outline: Chapter 1 Case Studies: Chapter 1

Assessment in Action: Chapter 1

1 EMS Systems

Chapter 2 Workforce Safety and Wellness

Learning Objectives: Chapter 2

Flashcards: Chapter 2 Audiobook: Chapter 2 Slides: Chapter 2

Lecture Outline: Chapter 2 Skill Drills: Chapter 2

Skill Evaluation Sheets: Chapter 2

Case Studies: Chapter 2

Assessment in Action: Chapter 2 2 Workforce Safety and Wellness

Chapter 3 Medical, Legal, and Ethical Issues

Learning Objectives: Chapter 3

Flashcards: Chapter 3 Audiobook: Chapter 3 Slides: Chapter 3

Lecture Outline: Chapter 3
Case Studies: Chapter 3

Assessment in Action: Chapter 3 3 Medical, Legal, and Ethical Issues

Chapter 4 Communications and Documentation

Learning Objectives: Chapter 4

Flashcards: Chapter 4 Audiobook: Chapter 4 Slides: Chapter 4

Lecture Outline: Chapter 4
Case Studies: Chapter 4

Assessment in Action: Chapter 4

4 Communications and Documentation

Chapter 5 Medical Terminology Learning Objectives: Chapter 5

Flashcards: Chapter 5 Audiobook: Chapter 5 Slides: Chapter 5

Lecture Outline: Chapter 5 Case Studies: Chapter 5

Assessment in Action: Chapter 5

5 Medical Terminology

Chapter 6 Lifting and Moving Patients

Learning Objectives: Chapter 6

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Lecture Outline: Chapter 6 Skill Drills: Chapter 6

Skill Evaluation Sheets: Chapter 6

Case Studies: Chapter 6

Assessment in Action: Chapter 6 6 Lifting and Moving Patients Chapter 7 The Human Body Learning Objectives: Chapter 7

Flashcards: Chapter 7 Audiobook: Chapter 7 Slides: Chapter 7

Lecture Outline: Chapter 7 Case Studies: Chapter 7 7 The Human Body

Chapter 8 Pathophysiology Learning Objectives: Chapter 8

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Lecture Outline: Chapter 8
Case Studies: Chapter 8

Assessment in Action: Chapter 8

8 Pathophysiology

Chapter 9 Life Span Development Learning Objectives: Chapter 9

Flashcards: Chapter 9 Audiobook: Chapter ? Slides: Chapter 9

Lecture Outline: Chapter 9 Case Studies: Chapter 9

Assessment in Action: Chapter 9

9 Life Span Development

Chapter 10 Patient Assessment Learning Objectives: Chapter 10

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Assessment in Action: Chapter 10

10 Patient Assessment

Chapter 11 Airway Management Learning Objectives: Chapter 11

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Lecture Outline: Chapter 11 Skill Drills: Chapter 11

Skill Evaluation Sheets: Chapter 11

Case Studies: Chapter 11

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11 Airway Management

Chapter 12 Principles of Pharmacology

Learning Objectives: Chapter 12

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Lecture Outline: Chapter 12 Case Studies: Chapter 12

Assessment in Action: Chapter 12 12 Principles of Pharmacology

Chapter 13 Vascular Access and Medication Administration

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Lecture Outline: Chapter 13 Skill Drills: Chapter 13

Skill Evaluation Sheets: Chapter 13

Case Studies: Chapter 13

Assessment in Action: Chapter 13

13 Vascular Access and Medication Administration

Chapter 14 Shock

Learning Objectives: Chapter 14

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Lecture Outline: Chapter 14 Case Studies: Chapter 14

Assessment in Action: Chapter 14

14 Shock

Chapter 15 BLS Resuscitation Learning Objectives: Chapter 15

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Skill Evaluation Sheets: Chapter 15

Case Studies: Chapter 15

Assessment in Action: Chapter 15

15 BLS Resuscitation

Chapter 16 Medical Overview Learning Objectives: Chapter 16

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Lecture Outline: Chapter 16 Case Studies: Chapter 16

Assessment in Action: Chapter 16

16 Medical Overview

Chapter 17 Respiratory Emergencies Learning Objectives: Chapter 17

Flashcards: Chapter 17 Audiobook: Chapter 17 Slides: Chapter 17

Lecture Outline: Chapter 17 Case Studies: Chapter 17

Assessment in Action: Chapter 17 17 Respiratory Emergencies

Chapter 18 Cardiovascular Emergencies

Learning Objectives: Chapter 18

Flashcards: Chapter 18 Audiobook: Chapter 18 Slides: Chapter 18

Lecture Outline: Chapter 18

Skill Evaluation Sheets: Chapter 18

Case Studies: Chapter 18

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Flashcards: Chapter 19 Audiobook: Chapter 19 Slides: Chapter 19

Lecture Outline: Chapter 19 Case Studies: Chapter 19

Assessment in Action: Chapter 19

19 Neurologic Emergencies

Chapter 20 Gastrointestinal and Urologic Emergencies

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Assessment in Action: Chapter 20

20 Gastrointestinal and Urologic Emergencies Chapter 21 Endocrine and Hematologic Emergencies

Learning Objectives: Chapter 21

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21 Endocrine and Hematologic Emergencies Chapter 22 Immunologic Emergencies

Learning Objectives: Chapter 22

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Skill Evaluation Sheets: Chapter 22

Case Studies: Chapter 22

Assessment in Action: Chapter 22 22 Immunologic Emergencies

Chapter 23 Toxicology

Learning Objectives: Chapter 23

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Lecture Outline: Chapter 23 Case Studies: Chapter 23

Assessment in Action: Chapter 23

23 Toxicology

Chapter 24 Psychiatric Emergencies Learning Objectives: Chapter 24

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Lecture Outline: Chapter 24 Case Studies: Chapter 24

Assessment in Action: Chapter 24 24 Psychiatric Emergencies

Chapter 25 Gynecologic Emergencies Learning Objectives: Chapter 25

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Lecture Outline: Chapter 25 Case Studies: Chapter 25

Assessment in Action: Chapter 25 25 Gynecologic Emergencies Chapter 26 Trauma Overview Learning Objectives: Chapter 26

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Lecture Outline: Chapter 29 Skill Drills: Chapter 29

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Lecture Outline: Chapter 31 Case Studies: Chapter 31

Assessment in Action: Chapter 31

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Chapter 32 Abdominal and Genitourinary Injuries

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Lecture Outline: Chapter 32 Case Studies: Chapter 32

Assessment in Action: Chapter 32 32 Abdominal and Genitourinary Injuries

Chapter 33 Orthopaedic Injuries Learning Objectives: Chapter 33

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Skill Evaluation Sheets: Chapter 33

Case Studies: Chapter 33

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33 Orthopaedic Injuries

Chapter 34 Environmental Emergencies

Learning Objectives: Chapter 34

Flashcards: Chapter 34 Audiobook: Chapter 34 Slides: Chapter 34

Lecture Outline: Chapter 34 Skill Drills: Chapter 34

Skill Evaluation Sheets: Chapter 34

Case Studies: Chapter 34

Assessment in Action: Chapter 34 34 Environmental Emergencies

Chapter 35 Obstetrics and Neonatal Care

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Lecture Outline: Chapter 35 Skill Drills: Chapter 35

Skill Evaluation Sheets: Chapter 35

Case Studies: Chapter 35

Assessment in Action: Chapter 35 35 Obstetrics and Neonatal Care Chapter 36 Pediatric Emergencies Learning Objectives: Chapter 36

Flashcards: Chapter 36 Slides: Chapter 36

Lecture Outline: Chapter 36 Skill Drills: Chapter 36

Skill Evaluation Sheets: Chapter 36

Case Studies: Chapter 36

Assessment in Action: Chapter 36

36 Pediatric Emergencies

Chapter 37 Geriatric Emergencies Learning Objectives: Chapter 37

Flashcards: Chapter 37 Audiobook: Chapter 37 Slides: Chapter 37

Lecture Outline: Chapter 37

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37 Geriatric Emergencies

Chapter 38 Patients With Special Challenges

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Lecture Outline: Chapter 38 Skill Drills: Chapter 38

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Lecture Outline: Chapter 39 Case Studies: Chapter 39

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39 Transport Operations

Chapter 40 Vehicle Extrication, Special Rescue, and

Hazardous Materials

Learning Objectives: Chapter 40

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Lecture Outline: Chapter 40 Case Studies: Chapter 40

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40 Vehicle Extrication, Special Rescue, and Hazardous

Materials

Chapter 41 Incident Management Learning Objectives: Chapter 41

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Lecture Outline: Chapter 41 Case Studies: Chapter 41

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41 Incident Management

Chapter 42 Terrorism Response and Disaster Management

Learning Objectives: Chapter 42

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Lecture Outline: Chapter 42 Case Studies: Chapter 42

Assessment in Action: Chapter 42

42 Terrorism Response and Disaster Management

Subject to change. Please consult your Canvas course for the most

current instructions and updates.

Classroom Hours

Start: 8-10-2025 End: 12-21-2025

Saturday

9:00 AM - 5:00 PM

For a full list of course hours visit: Course Schedule

Instructor Contact Information

Adam Scott — ascott@stech.edu Christopher Crispin — ccrispin@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.
- For regular Hours and Weekdays call (435) 586 2899.
- For after Hours & Weekends call (435) 865 3929 (Leave a message if no response).

Course Policies

Course Grading: Chapter tests may be attempted up to **THREE** times and will remain open until the posted due date. Each exam must be passed with a minimum of 80%. If quizzes are attempted multiple times, the highest score will be saved.

If exams and all other graded metrics do not meet the minimum required score of 80%, the student will not be recommended for testing and the awarded grade will present as an F.

Hands-on skills are a demanding and integral part of the learning experience. All skills must be demonstrated (physically & verbally) with 100% accuracy to prove competency. No exceptions. To achieve this level each student must be attentive and willing to participate fully during each skills lab. All lab time must be used wisely. Students may practice and evaluate one another while preparing to pass off skills with a Utah endorsed EMS Instructor. A Utah endorsed EMS Instructor must observe and evaluate each student until the master competency level is achieved. Students failing to use their time wisely as directed by the Course Coordinator, EMS Instructors, and other STECH faculty will not be recommended for testing. Students failing to demonstrate 100% competency as deemed by the Course Coordinator and EMS Instructors will not be recommended for testing.

High School Power School Grades: Quarter student grades will be determined by student progress percentage. Faculty will use the higher percentage of either 1) quarter progress, or 2) cumulative progress for the current training plan year.

Grade Scale: The following grading scale will be used to determine a letter grade.

• A:94-100%

• B:83-86%

• D:63-66%

A-: 90 - 93%

• B-: 80 - 82%

• C-: 70 - 72% • D-: 60 - 62%

B+: 87 - 89%

• C+: 77 - 79%

• D+: 67 - 69%

• C:73-76%

• F:0-59%

Course Policies: Expected Classroom/Campus Behaviors: Students are expected to follow STECH and classroom rules and policies. Appropriate dress is to be worn each day which consists of the EMS uniform. Keep the classroom clean and neat. Clean and put away all equipment and supplies, place chairs in their proper position, counter tops, tables, pick up trash each day and vacuum as needed. All use of illegal drugs, abuse of prescription and/or OTC medication, use of tobacco and alcohol on campus is prohibited. Any student arriving at school under the influence may be disciplined in the following ways: dismissed from the course, not recommended for testing, suspended from STECH and law enforcement may be notified. Inappropriate language, disruptive behavior, lying, cheating, bullying, stalking, threats and/or acts of violence toward faculty and/or student/s may result in involving law enforcement, dismissal from the course and the student will not be recommended for testing. Rules are subject to change without notice.

Safety. The safety of all students and patients is taken very seriously. Personal safety, followed by the safety of the EMS partner, and then the patient is the first skill taught and the most often discussed aspect of EMS. All rules outlined in this syllabus as well as rules given in class throughout the course pertaining to specific skills and concepts including, but not limited to lifting & moving, glucose testing, IV access, spinal immobilization, vital signs, patient assessments, communication, etc. are expected to be followed precisely to ensure the safe practice of emergency medicine in the classroom as well as the field. If the student chooses to practice skills in a manner not taught as appropriate by the Course Coordinator or Adjunct Instructor/s, the student will likely be dismissed from the course and not recommended for testing.

Cell Phone Use: During class hours, phones are to be turned on silent and only used for EMS related learning. Breaks are given during class at which time personal use of phones is appropriate. Misuse of cell phone, tablet or laptop during class may result in dismissal of the course and failure to be recommended for testing.

Attendance: Students must attend or make up all hours of T classroom time in order to be recommended for testing. Missing more than 15 hours of classroom time will result in the student not being recommended for testing. Students must be in their seats, in appropriate EMT uniform and ready to learn when class begins.

See Course Coordinator to schedule make up time. No Exceptions. All final decisions regarding recommendations to test will be determined by the Course Coordinator and the Medical Director.

Additional Information

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. Southwest Technical College 757 West 800 South Cedar City, UT 84720 info@stech.edu (435) 586-2899