

EMERGENCY MEDICAL TECHNICIAN

TECHNICAL CERTIFICATE

The curriculum in the Emergency Medical Technician (EMT) technical certificate provides students for employment in EMT-Intermediate positions in the pre-hospital or hospital environment. The program prepares students to function as EMTs in the field delivering intermediate emergency medical care to sick and injured patients in a variety of urban and rural settings. The curriculum covers human anatomy and physiology, medical and legal considerations, rescue operations, pathophysiology as correlated to disease processes, pharmacology, respiratory emergencies, medical emergencies, pediatrics, OB/GYN, trauma, and cardiology. Once the student has successfully completed this program, they are eligible to sit for the EMT Intermediate national practical and written certification examinations administered by the National Registry of Emergency Medical Technicians (NREMT).

ESSENTIAL FUNCTIONS

The following technical standards and essential functions outline reasonable expectations of a student in the Emergency Medical Technician (EMT) program for the performance of common EMT functions. The EMT student must be able to apply the knowledge and skills necessary to function in a variety of classroom, lab, and/or clinical situations while providing the essential competencies of an EMT. These requirements apply for the purpose of admission and continuation in the program.

A general summary of the technical standards is listed below; however, prospective students are encouraged to review Appendix A of the National Standard Curriculum for a complete position analysis as performed on behalf of the U.S. Department of Transportation National Highway Safety Administration.

- **Essential Function: Observation**

The ability to participate actively in all demonstrations, laboratory exercises, and clinical experiences in the professional program component and to assess and comprehend the condition of all patients assigned to him/her for examination, diagnosis, and treatment. Such observation and information usually requires functional use of visual, auditory, and somatic sensations.

Examples

- Observing skill demonstrations
- Reading small medication labels
- Assessing patients, including color changes, distinguishing location and types of injuries, lung sounds, odors
- Observing details about patient environment, including odors, colors, sounds
- Reading small gauges on oxygen regulators and blood pressure cuffs

- Listening to and distinguishing patient lung sounds, heart tones, and blood pressures using a stethoscope in noisy environments

- **Essential Function: Communication**

The ability to communicate effectively in English using verbal, non-verbal, and written formats with faculty, other students, patients, families, and other members of the healthcare team.

Examples

- Reading patient charts, medication labels, clinical documentation, physician orders, legal forms, email
- Producing written communication with healthcare team, including physicians, dispatchers, supervisors, patients (may be done via charts, pre-hospital care forms, and/or narratives)
- Communicating verbally with healthcare team members, including physicians, dispatchers, supervisors, patients (may be done in person, via telephone, and/or via two-way radio)

- **Essential Function: Motor**

Sufficient motor ability and dexterity to execute the movement and skills required for safe and effective care and emergency treatment.

Examples

- Lifting and moving of patients with and without assistance
- Performance of emergency skills such as bandaging, splinting, patient movement, application of oxygen, administration of medications (pill, sprays, auto-injector)
- Accessing patients on and extricating patients from irregular surfaces, stairs, trails, roadways, ditches, vehicles, dwellings, businesses, waterways, etc.

- **Essential Function: Intellectual**

The ability to collect, interpret, and integrate information and make decisions.

Examples

- Combine findings from patient and scene assessment with knowledge of anatomy and physiology to develop or follow treatment plans
- Problem solving to meet challenges of emergency scenes
- Recognition of and adaptation to changing patient conditions
- Synthesizing patient treatment plans in the absence of concrete findings or in the presence of contradictory findings

- **Essential Function: Behavioral and Social Attributes**

Possess the emotional health and stability required for full utilization of the student's intellectual abilities, the exercise of good judgment, the prompt completion of all academic and patient care responsibilities, and the development of mature, sensitive, and effective relationships with clients and other members of the healthcare team. Possess the ability to tolerate taxing workloads, function effectively under stress, adapt to changing environments, display flexibility, and learn to function in the face of uncertainties inherent in clinical settings with patients. Possess compassion, integrity, concern for others, and motivation. Possess the ability to demonstrate professional behaviors and a strong work ethic.

Examples

- Interacting with people (such as patients and their families, bystanders, healthcare team members, and members of the general public) from diverse socioeconomic, ethnic, educational, religious, moral, and cultural backgrounds in a professional and non-judgmental manner
- Responding to and managing emergency scenes under stressful and time-pressured circumstances.
- Responding to and managing non-emergency situations during entire shift (up to 48 hours of continuous duty) while maintaining a compassionate, caring, and professional demeanor
- Interacting with people with learning, developmental, psychological, and/or behavioral disorders while maintaining a compassionate, caring, and professional demeanor

CAREER OPPORTUNITIES

Emergency Medical Technicians (EMTs) work for fire departments, private providers, industrial companies, clinics, government agencies, and hospitals.

PROGRAM EXPENSES

The recent reauthorization of the Higher Education Act requires all colleges and universities to notify students and prospective students of all program costs for which they will be responsible. Students will be responsible for the following expenses:

- Quarterly tuition (\$71 per credit hour)
- Quarterly student activity fees (\$16)
- Quarterly registration fee (\$26)
- Quarterly accident insurance fee (\$4)
- Quarterly instructional and technology supply fee (\$35)
- Background check (Approximately \$25 per required check)
- Clinical uniform (\$75)
- Drug test (\$25 per required testing)
- Equipment, including penlight, stethoscope, etc. (\$25)
- Immunizations
 - Hepatitis B (\$275)
 - Tuberculosis skin test (\$40 for two tests)

- Licensure examinations
 - NREMT Practical Examination Fee (\$75)
 - NREMT Written Examination Fee (Pearson Vue) (\$100)
- Malpractice insurance: \$46.50 per year
- Physical examination (Approximately \$150)
- State licensing fee (Georgia OEMS) (\$50)
- Supply fee (Varies – see course descriptions for exact amount)
- Test prep interactive software (Approximately \$150)
- Textbooks (Approximately \$500 for entire program)

The expenses are based on costs in effect at the time this catalog was published. Prices are subject to change.

ADMISSIONS REQUIREMENTS

The Emergency Medical Technician program utilizes a competitive admission process to select students. Program faculty and the Admissions Office staff designed the process to ensure maximum opportunity for student success in the program. Prospective students may gain admission to the college initially as Health Care Assistant program students/applicants to Emergency Medical Technician in order to complete any learning support classes.

Applicants who are on academic probation or are academically dismissed from the college as of the application deadline will not be considered for admission. The Admissions Office staff admits students during Fall and Winter quarters. Applicants must submit all required documentation to the Admissions Office by June 15 of the year they seek admission in order to receive consideration in the selection process for Fall Quarter. The application deadline for Winter Quarter is November 1 of the year they seek admission to the program. Applicants not selected for the program may reapply during subsequent admission intake periods. The college does not maintain a waiting list of people seeking admission to the program. Applicants must submit the following information to the Admissions Office by the application deadline for the quarter they are seeking admission to the program:

- a. Completed and signed application for admission and a \$20 nonrefundable application fee;
- b. Official birth certificates, passports, driver's licenses, or state-issued photo identification cards to document that they are at least 18 years of age;
- c. Official high school or GED transcripts and/or official college transcripts from all colleges attended in the past;
- d. Completed and signed Intent form (blank forms are available in the Admissions Office or on the college website at www.athenstech.edu—Select *Prospective Students* and then *Competitive Health Pgms*); and
- e. Official ASSET placement test scores (see *Asset and COMPASS Placement Tests*).

All applicants must submit official COMPASS placement test scores that are less than five years old at the time of the application deadline. When the number of

applicants exceeds the number of seats available in the program, the Admissions selection committee ranks and admits applicants according to their official placement test scores.

Applicants must attend a mandatory program orientation session. Failure to attend this session or failure to make alternate arrangements to obtain the necessary information will result in the forfeiture of admission to the program. Prior to the beginning of the program, applicants must have the following current official documents on file with program faculty:

- a. Documentation of a recent medical examination;
- b. A signed document acknowledging that commission of a felony before or during their enrollment in this program may prevent graduates from taking the licensure

exam to become emergency medical technicians and that they may be required to complete drug testing and/or background checks at their own expense prior to participating in internships, practicums, or clinical activities at certain host sites for these activities (see *Drug Testing/Background Checks*) (blank documents are available from the program chair or the Admissions Office and online at www.athenstech.edu—Select *Prospective Students* and then *Competitive Health Pgms*);

- c. Completed State FERPA form;
- d. Completed immunization form;
- e. Completed background check; and
- f. Completed academic honesty form

EMERGENCY MEDICAL TECHNICIAN-BASIC CURRICULUM OUTLINE

*Technical Certificate of Credit (Major Code: EMB1)
Credit Required for Completion: 20 quarter credit hours*

Technical Certificate	Credits
* EMS 1101 Introduction to the EMT Profession	20 4
* EMS 1103 Patient Assessment for the EMT	2
* EMS 1105 Airway Management for the EMT	2
* EMS 1107 Medical and Behavioral Emergencies for the EMT	3
* EMS 1109 Assessment and Management Across the Lifespan for the EMT	2
* EMS 1111 Trauma Emergencies and WMD Response	4
* EMS 1113 Clinical Applications for the EMT-Basic	1
* EMS 1115 Practical Applications for the EMT-Basic	2

** Students must pass each course with grades of C or better.*

EMERGENCY MEDICAL TECHNICIAN-INTERMEDIATE CURRICULUM OUTLINE

*Technical Certificate of Credit (Major Code: EM01)
Credit Required for Completion: 27 quarter credit hours*

Technical Certificate	Credits
* EMS 1101 Introduction to the EMT Profession	27 4
* EMS 1103 Patient Assessment for the EMT	2
* EMS 1105 Airway Management for the EMT	2
* EMS 1107 Medical and Behavioral Emergencies for the EMT	3
* EMS 1109 Assessment and Management Across the Lifespan for the EMT	2
* EMS 1111 Trauma Emergencies and WMD Response	4
* EMS 1113 Clinical Applications for the EMT-Basic	1
* EMS 1115 Practical Applications for the EMT-Basic	2
* EMS 1201 Pharmacology and Shock/Trauma Management for the EMT-Intermediate	3
* EMS 1203 Clinical Applications I for the EMT-Intermediate	1
* EMS 1205 Clinical Applications II for the EMT-Intermediate	1
* EMS 1207 Practical Applications for the EMT-Intermediate	2

** Students must pass each course with grades of C or better.*

EMERGENCY MEDICAL TECHNOLOGY

Department Code: EMS

EMS 1101 Introduction to the EMT Profession (3-2-4)

Banner Title: Intro to the EMT Profession

This course covers all the components of Modules 1 and 7 of the national standard curriculum for Emergency Medical Technician-Basic (1994 Standard) established by the National Highway Safety Transportation Administration (NHSTA). It also covers Sections 1 through 4 of the national standard curriculum for Emergency Medical Technician-Intermediate (1985 Standard) established by the NHSTA. Topics include basic cardiopulmonary resuscitation/AED, an introduction to emergency medical care, the roles and responsibilities of the EMT-Intermediate, Emergency Management Service systems for EMT-Intermediates, the well being of the EMT-Basic, medical/legal and ethical issues, medical/legal aspects for the EMT-Intermediate, blood and airborne pathogens and infectious diseases, the human body, medical terminology, baseline vital signs and SAMPLE history, lifting and moving patients, ambulance operations, gaining access, and an overview of HazMat/MCI.

Prerequisite: Program admission
Offered Fall term

EMS 1103 Patient Assessment for the EMT (1-2-2)

Banner Title: EMT Patient Assessment
This course covers all the components of Module 3 of the national standard curriculum for Emergency Medical Technician-Basic (1994 Standard) established by the National Highway Safety Transportation Administration (NHSTA). It also covers all of Section 5 and part of Section 6 of the national standard curriculum for Emergency Medical Technician-Intermediate (1985 Standard) established by the NHSTA. Topics include scene size up, initial assessments, focused history and physical examinations for both medical and trauma patients, detailed physical examinations, on-going assessments, communications and documentation, and Emergency Management Service communications for the EMT-Intermediate. Students must pay a \$25 supply fee when registering for this course.

Prerequisite: EMS 1101 with a grade of C or better
Offered Fall term

EMS 1105 Airway Management for the EMT (1-2-2)

Banner Title: EMT Airway Management
This course covers all the components of Module 2 of the national standard curriculum for Emergency Medical Technician-Basic (1994 Standard) established by the National Highway Safety Transportation Administration (NHSTA). It also covers Section 7 of the national standard curriculum for Emergency Medical Technician-Intermediate (1985 Standard) established by the NHSTA. The 2002 Supplemental Airway Modules curriculum for Emergency Medical Technician-Basic (1994 Standard) will also be used. Topics include airway, advanced airway, and basic and advanced airway management.

Prerequisites: EMS 1101 with a grade of C or better, EMS 1103 with a grade of C or better
Offered Fall term

EMS 1107 Medical and Behavioral Emergencies for the EMT (2-2-3)

Banner Title: EMT Medical/Behavioral
This course covers Lessons 1 through 8 and parts of Lessons 10 and 11 of Module 4 of the national standard curriculum for Emergency Medical Technician-Basic (1994 Standard) established by the National Highway Safety Transportation Administration (NHSTA). Topics include general pharmacology, respiratory emergencies, cardiovascular emergencies, diabetic and altered mental status emergencies, allergic reactions, poisoning and overdose emergencies, environmental emergencies, behavioral emergencies, and non-traumatic abdominal emergencies. Students must pay a \$25 supply fee when registering for this course.

Prerequisites: EMS 1101 with a grade of C or better, EMS 1103 with a grade of C or better, EMS 1105 with a grade of C or better
Offered Winter term

EMS 1109 Assessment and Management Across the Lifespan for the EMT (1-2-2)

Banner Title: EMT Assessment/Management
This course covers all of Lesson 9 and parts of Lessons 10 and 11 of Module 4 of the national standard curriculum for Emergency Medical Technician-Basic (1994 Standard) established by the National Highway Safety Transportation Administration (NHSTA). It also covers all of module 6 of the 1994 Standard. Topics

include the geriatrics module specific to the Georgia Office of Emergency Management Services and the special needs patients module specific to the Technical College System of Georgia. Topics also include obstetrical and gynecological emergencies, infants and children, geriatrics, and patients with special needs. *Prerequisites: EMS 1101 with a grade of C or better, EMS 1103 with a grade of C or better, EMS 1105 with a grade of C or better, EMS 1107 with a grade of C or better*
Offered Winter term

EMS 1111 Trauma Emergencies and WMD Response (3-2-4)

Banner Title: Trauma Emergencies
This course covers Module 5 of the national standard curriculum for Emergency Medical Technician-Basic (1994 Standard) established by the National Highway Safety Transportation Administration (NHSTA). It also covers a portion of Section 6 of the national standard curriculum for Emergency Medical Technician-Intermediate (1985 Standard) established by the NHSTA. Topics include the emergency response to weapons of mass destruction module specific to the Georgia Office of Emergency Management Services. Topics also include bleeding and shock, soft tissue injuries, musculoskeletal care, injuries to the head and spine, patient access and extrication, and emergency medical response to weapons of mass destruction.

Prerequisites: EMS 1101 with a grade of C or better, EMS 1103 with a grade of C or better, EMS 1105 with a grade of C or better, EMS 1107 with a grade of C or better, EMS 1109 with a grade of C or better
Offered Winter term

EMS 1113 Clinical Applications for the EMT Basic (0-3-1)

Banner Title: EMT-Basic Clinical Applications

In this course, students will complete a minimum of 30 clinical hours at hospital emergency departments and on ambulance clinical rotations. This course covers all of the EMT-Basic clinical procedures requirements and accompanying psychomotor objectives listed under Module C (Clinical) of the EMT-Basic curriculum standards established by the Georgia Office of Emergency Medical Services.

Prerequisites: EMS 1101 with a grade of C or better, EMS 1103 with a grade of C or better, EMS 1105 with a

grade of C or better, EMS 1107 with a grade of C or better, EMS 1109 with a grade of C or better, EMS 1111 with a grade of C or better
Offered Winter term

EMS 1115
Practical Applications
for the EMT-Basic (1-2-2)

Banner Title: EMT-Basic Practical Applications

This course serves as the integration point for the entire national standard curriculum for Emergency Medical Technician-Basic (1994 Standard) established by the National Highway Safety Transportation Administration (NHSTA). It also serves as the integration point for Sections 1 through 7 of the national standard curriculum for Emergency Medical Technician-Intermediate (1985 Standard) established by the NHSTA, as well as for the CPR, geriatrics, and weapons of mass destruction modules specific to the Georgia Office of Emergency Management Services. This course will focus on enhancing the critical thinking skills of students. It will enhance the assessment-based management skills for EMT-Basic students. Topics include assessment-based management for the EMT-Basic. *Prerequisites: EMS 1101 with a grade of C or better, EMS 1103 with a grade of C or better, EMS 1105 with a grade of C or better, EMS 1107 with a grade of C or better, EMS 1109 with a grade of C or better, EMS 1111 with a grade of C or better, EMS 1113 with a grade of C or better*
Offered Spring term

EMS 1201
Pharmacology and Shock/Trauma Management for the EMT-Intermediate (2-2-3)

Banner Title: EMT Shock/Trauma/Pharmacology

This course covers section 8 of the national standard curriculum for Emergency Medical Technician-Intermediate (1985 Standard) established by the National Highway Safety Transportation Administration (NHSTA). Topics include a general pharmacology review, IV and IO therapy, and shock and trauma assessment and management. Students must pay a \$25 supply fee when registering for this course.

Prerequisites: MS 1101 with a grade of C or better, EMS 1103 with a grade of C or better, EMS 1105 with a grade

of C or better, EMS 1107 with a grade of C or better, EMS 1109 with a grade of C or better, EMS 1111 with a grade of C or better, EMS 1113 with a grade of C or better, EMS 1115 with a grade of C or better
Offered Spring term

EMS 1203
Clinical Applications I for the EMT-Intermediate (0-3-1)

Banner Title: EMT-Intermediate Clinical Applications I

In this course, students will complete a minimum of 30 clinical hours in hospital emergency departments and on ambulance clinical rotations. This course covers all of the EMT-Intermediate clinical procedures requirements and accompanying psychomotor objectives listed under Module C (Clinical) of the EMT-Intermediate curriculum standards established by the Georgia Office of Emergency Medical Services. Students refine the skill set needed to function as EMT-Intermediates as they complete this course and EMS 1205.

Prerequisites: MS 1101 with a grade of C or better, EMS 1103 with a grade of C or better, EMS 1105 with a grade of C or better, EMS 1107 with a grade of C or better, EMS 1109 with a grade of C or better, EMS 1111 with a grade of C or better, EMS 1113 with a grade of C or better, EMS 1115 with a grade of C or better, EMS 1201 with a grade of C or better

Offered Spring term

EMS 1205
Clinical Applications II for the EMT-Intermediate (0-3-1)

Banner Title: EMT-Intermediate Clinical Applications II

In this course, students will complete a minimum of 30 clinical hours in hospital emergency departments and on ambulance clinical rotations. This course covers all of the EMT-Intermediate clinical procedures requirements and accompanying psychomotor objectives listed under Module C (Clinical) of the EMT-Intermediate curriculum standards established by the Georgia Office of Emergency Medical Services. Students refine the skill set needed to function as EMT-Intermediates as they complete this course and EMS 1203.

Prerequisites: MS 1101 with a grade of C or better, EMS 1103 with a grade

of C or better, EMS 1105 with a grade of C or better, EMS 1107 with a grade of C or better, EMS 1109 with a grade of C or better, EMS 1111 with a grade of C or better, EMS 1113 with a grade of C or better, EMS 1115 with a grade of C or better, EMS 1201 with a grade of C or better, EMS 1203 with a grade of C or better

Offered Spring term

EMS 1207
Practical Applications for the EMT-Intermediate (1-2-2)

Banner Title: EMT-Intermediate Practical Applications.

This is the final course for those students who are pursuing EMT-Intermediate certification. This course expands upon the critical thinking skills and assessment-based management techniques covered in the *Practical Applications for the EMT-Basic* course. This course integrates all components of the U.S. Department of Transportation EMT-Basic national standard curriculum (1994 Standard), U.S. Department of Transportation EMT-Intermediate national standard curriculum (1985 Standard), and all Georgia-specific modules for the EMT-Basic and EMT-Intermediate curricula. Preparation for the national certification exam for EMT-Intermediate will be paramount throughout the course, and students will be required to complete this course prior to being eligible to sit for the National Registry Intermediate-1985 Exam. Topics will include skills competency verification and assessment-based management techniques for the EMT-Intermediate.

Prerequisites: MS 1101 with a grade of C or better, EMS 1103 with a grade of C or better, EMS 1105 with a grade of C or better, EMS 1107 with a grade of C or better, EMS 1109 with a grade of C or better, EMS 1111 with a grade of C or better, EMS 1113 with a grade of C or better, EMS 1115 with a grade of C or better, EMS 1201 with a grade of C or better, EMS 1203 with a grade of C or better, EMS 1205 with a grade of C or better

Offered Spring term