Chattanooga State Community College  
Division of Nursing and Allied Health  
EA 106 Emergency Medical Technician I  

CATALOG COURSE DESCRIPTION

EA-106 Emergency Medical Technician I-Basic/ IV is a 1-semester course taught in accordance with the 1994 National Department of Transportation EMT-Basic curriculum, 1985 National Department of Transportation EMT-Intermediate curriculum and the regulatory requirements established by the Tennessee Department of Health, Division of Emergency Medical Services. This course is designed to prepare the student to successfully complete the licensing examination administered by the college in conjunction with Tennessee Department of Health, Division of Emergency Medical Services and the National Registry of Emergency Medical Technicians. The course uses a combination of classroom lecture, practical skills laboratory, and practical application in clinical settings (emergency room and ambulance). This allows the student to accomplish the cognitive, psychomotor, and affective objectives of the program. Students must demonstrate competency of both written and practical material to successfully complete the program.

CLASS HOURS: 8      CREDIT HOURS: 8

PREREQUISITE(S): Students must be a minimum of eighteen (18) years of age. Students must hold a valid high school diploma or a General Equivalency Diploma (GED). The Tennessee Department of Health, Division of Emergency Medical Services and the National Registry of EMT’s further require that, in order for a student to be eligible for testing and licensure, they must be able to read, write, and speak the English language and be free of any disabilities that would prevent the candidate from performing as an Emergency Medical Technician.

COREQUISITE(S): None

REQUIRED TEXTBOOKS:

Henry Stapleton EMT Pre-hospital Care 4th Edition  

Henry Stapleton EMT Pre-hospital Care 4th Edition-Workbook  

Custom Intermediate Textbook and Workbook (Shade Rothenberg, Jones and Collins EMT Inter. 2nd Ed)  

Virtual Patient Encounters: Study Guide with Simulation Software  

EMT Pre-hospital Care E-Book (Henry)  
COURSE HOURS: Course is offered on

Section 01 Tuesdays and Thursdays from 8:30 am-12:30 pm.
Section 01N Tuesdays and Thursdays from 6:00 pm to 10:00 pm.
Section 02 Mondays and Wednesdays from 6:00 pm to 10:00 pm.
Section 02N Mondays, Wednesdays and Fridays from 5:00 pm to 10:00 pm.
Section 03 Mondays and Wednesdays from 8:30 am to 12:30 pm.
Section 04 Tuesdays and Thursdays from 1:00 pm to 5:00 pm.
Section A2N Mondays and Wednesdays from 6:00 pm to 10:00 pm.
Section PTA Mondays and Wednesdays from 6:00 pm to 10:00 pm.

PROGRAM STUDENT LEARNING OUTCOMES (PSLOs):

PSLO1: Prepare graduates of the Emergency Medical Services Program with the skills and abilities to function as entry level EMTs and Paramedics by ensuring:

a. that graduates practice effective communication;
b. that graduates possess competent analytical and critical thinking skills;
c. that graduates possess proficient information technology skills;
d. that graduates practice societal and cultural awareness;
e. that graduates possess foundational knowledge in a specialty

PSLO2: Provide the regional medical community with qualified individuals who can function as competent entry-level EMS professionals by ensuring that graduates:

a. complete the program in a timely manner;
b. pass the National Registry of Emergency Medical Technicians;
c. receive jobs upon graduation;
d. are satisfied with the education they received from the program; and
e. meet the expectations of employers.
**COURSE STUDENT LEARNING OUTCOMES (CSLOs):** The student will demonstrate the required level of performance relative to the following areas:

**CSLO-1:** Students will respond appropriately to emergent patient situations involving airway management, ventilation, & shock. (PSLO1a, PSLO1b, PSLO1c, PSLO1d, PSLO1e, PSLO2d)

**CSLO-2:** Students will respond appropriately to emergent patient situations involving cardiology and resuscitation. (PSLO1a, PSLO1b, PSLO1c, PSLO1d, PSLO1e, PSLO2d)

**CSLO-3:** Students will respond appropriately to emergent patient situations involving traumatic injuries. (PSLO1a, PSLO1b, PSLO1c, PSLO1d, PSLO1e, PSLO2d)

**CSLO-4:** Students will respond appropriately to emergent patient situations involving medical conditions. (PSLO1a, PSLO1b, PSLO1c, PSLO1d, PSLO1e, PSLO2d)

**CSLO-5:** Students will respond appropriately to emergent patient situations involving EMS operations. (PSLO1a, PSLO1b, PSLO1c, PSLO1d, PSLO1e, PSLO2d)

**TOPIC SCHEDULE /COURSE CONTENT / INSTRUCTIONAL COMPETENCIES**

Emergency Medical Technician I  
EA - 106  
Fall 2010

<table>
<thead>
<tr>
<th>Class</th>
<th>Topic</th>
<th>Reading Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Review of Student Handbook and Paperwork; Intro to Emergency Medical Care</td>
<td>Chapter 1; Intermediate Appendix E; EMS Program Student Handbook</td>
</tr>
<tr>
<td>2</td>
<td>Well Being of the EMT; Medicolegal and Ethical Issues</td>
<td>Chapter 2; Chapter 3</td>
</tr>
<tr>
<td>3</td>
<td>Exam 1 (Basic Chapters 1 - 3, Appendix E); Ambulance Operations; Communications</td>
<td>Chapter 26; Chapter 8</td>
</tr>
<tr>
<td>4</td>
<td>Documentation; Medical Terminology</td>
<td>Chapter 9; Intermediate Chapter 6</td>
</tr>
<tr>
<td>5</td>
<td>Exam 2 (Chapters 8, 9, 26 and Int 6); Human Body; Begin Patient Assessment</td>
<td>Chapter 4; Chapter 7</td>
</tr>
<tr>
<td>6</td>
<td>Patient Assessment; Skills</td>
<td>Chapter 7; Skills (Patient Assessment and Vital Signs)</td>
</tr>
<tr>
<td>7</td>
<td>Patient Assessment Skills</td>
<td>Skills (Patient Assessment and Vital Signs)</td>
</tr>
<tr>
<td>8</td>
<td>Exam 3 (Chapter 4 and 7); Airway; Advanced Airway</td>
<td>Chapter 6; Chapter 29</td>
</tr>
<tr>
<td></td>
<td>Chapter</td>
<td>Skill(s)</td>
</tr>
<tr>
<td>---</td>
<td>---------------------------------------</td>
<td>----------------------------------------------</td>
</tr>
<tr>
<td>9</td>
<td>Airway; Skills</td>
<td>Intermediate Chapter 9; Skills</td>
</tr>
<tr>
<td>10</td>
<td>Airway Skills</td>
<td>Airway Skills</td>
</tr>
<tr>
<td>11</td>
<td>Exam 4 (Chapter 6, 29 and Int. 9)</td>
<td>Airway Skills; Chapter 20</td>
</tr>
<tr>
<td>12</td>
<td>Assessment and Management of Shock; IV Therapy</td>
<td>Intermediate Chapter 10 and Intermediate Chapter 11</td>
</tr>
<tr>
<td>13</td>
<td>IV Skills</td>
<td>IV Skills</td>
</tr>
<tr>
<td>14</td>
<td>IV Skills</td>
<td>IV Skills</td>
</tr>
<tr>
<td>15</td>
<td>Exam 5 (Basic Chapter 10 and Int. Chapter 10 and 11); Injuries to the Head and Spine; Lifting and Moving Patients)</td>
<td>Chapter 24 and Chapter 5; LAST DAY FOR PAPERWORK</td>
</tr>
<tr>
<td>16</td>
<td>Skills Lab</td>
<td>Skills Lab</td>
</tr>
<tr>
<td>17</td>
<td>Skills Lab</td>
<td>Skills Lab</td>
</tr>
<tr>
<td>18</td>
<td>Exam 6 (Basic Chapters 24 and 5); General Pharmacology; Pharmacology</td>
<td>Chapter 10; Intermediate Chapter 12</td>
</tr>
<tr>
<td>19</td>
<td>Respiratory Emergencies</td>
<td>Chapter 11; Skills</td>
</tr>
<tr>
<td>20</td>
<td>Skills Lab (Respiratory Emergencies O2 Delivery devices and Pharmacology)</td>
<td>Skills Lab</td>
</tr>
<tr>
<td>21</td>
<td>Cardiovascular Emergencies</td>
<td>Chapter 12; Skills</td>
</tr>
<tr>
<td>22</td>
<td>Skills Lab (Cardiac Pharmacology)</td>
<td>Skills Lab</td>
</tr>
</tbody>
</table>
Skill Performance Competencies

AIRWAY MANAGEMENT
Oxygen Tank Set-Up and Administration
Ventilation Skills – BVM and Pocket Mask
Oro / Nasopharyngeal Airways and Suctioning
Double Lumen Airway – PtL®
Double Lumen Airway – Combitube®
Inhaler
Nebulizer

PATIENT ASSESSMENT / MANAGEMENT
Medical Assessment
Trauma Assessment

BANDAGING
Amputation
Bleeding Control / Shock Management
Eyeball Avulsion
Head Bandage
Impaled Objects

SPLINTING
Board Immobilization – Hip
Board Immobilization - Radius / Ulna
Board Immobilization – Tibia / Fibula
Flail Chest
Foot / Ankle Injury
Joint Injury Management
PASG – Splint
PASG – Hypovolemia (Shock) Management
Sling and Swathe
Traction Splint – Half-Ring / Ratchet Device
Traction Splint – Sager

PACKAGING
Clam Shell Device
Long Spine Board

MISCELLANEOUS
Cardiac Arrest Management (CPR / AED)
Cardiac Pain Management (NTG / ASA)
Hypoglycemia Management (Glucometer reading/admin: D50 or DW25)
Epinephrine Auto-Injector
Subcutaneous Injection
Intramuscular Injection
IV Therapy (5 successful “sticks”)

ASSESSMENT DESCRIPTIONS/INSTRUCTIONAL ACTIVITIES:

- **Quizzes:** These quizzes are designed to stimulate learning by testing the student after reading the assigned supplemental materials but prior to the lecture presentation. These quizzes are graded and are used in grade calculation for the course. (CSLO-1, CSLO-2, CSLO-3, CSLO-4, CSLO-5, CSLO-6)
- **Skill Performance:** These examinations are designed to stimulate learning by testing the student’s ability to learn, retain, and perform necessary critical and non-critical interventions in a variety of patient scenarios. (CSLO-1, CSLO-2, CSLO-3, CSLO-4, CSLO-5)
- **Unit Examinations:** These performance evaluations are designed to stimulate learning by testing the student’s ability to learn, retain and generate a practical understanding of the course materials as it relates to anatomy and physiology, pathophysiology, emergency interventions and treatment. (CSLO-1, CSLO-2, CSLO-3, CSLO-4, CSLO-5, CSLO-6)
- **Comprehensive Final Exam:** The comprehensive final exam tests students on a variety of material that has been covered throughout the semester, including but not limited to: anatomical structure, body systems, anatomy, physiology, pathophysiology, emergency interventions, and treatment. (CSLO-1, CSLO-2, CSLO-3, CSLO-4, CSLO-5, CSLO-6)

<table>
<thead>
<tr>
<th>CSLO:</th>
<th>CSLO-1</th>
<th>CSLO-2</th>
<th>CSLO-3</th>
<th>CSLO-4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assessments:</td>
<td>Comprehensive Final Exam</td>
<td>Comprehensive Final Exam</td>
<td>Comprehensive Final Exam</td>
<td>Comprehensive Final Exam</td>
</tr>
<tr>
<td></td>
<td>Unit Examinations 3, 4, 5, 6, 7, BLS</td>
<td>Unit Examinations 4, 5, 6, 7, BLS</td>
<td>Unit Examinations 5</td>
<td>Quizzes 6</td>
</tr>
<tr>
<td></td>
<td>Quizzes 3, 4, 5</td>
<td>Quizzes 3, 4</td>
<td>Skill Performance</td>
<td>Skill Performance</td>
</tr>
<tr>
<td></td>
<td>Skill Performance</td>
<td>Skill Performance</td>
<td>Skill Performance</td>
<td>Skill Performance</td>
</tr>
<tr>
<td>CSLO:</td>
<td>CSLO-5</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Assessments:

- Comprehensive Final Exam
- Unit Examinations 1, 2
- Quizzes 1, 2
- Skill Performance

ACCOMODATIONS FOR STUDENTS WITH DISABILITIES

Any student requiring modifications or adaptations to course activities because of any physical, educational or emotional limitations should contact Disabilities Support Services at 697-4452; offices are located in Room S-226 in the Student Center on Main Campus. Mary Knaff, Affirmative Action Officer should be contacted If there are complaints or feelings of unequal access to educational programming. This must be done within two weeks of the start of class. Students must have official documentation for their disability. The disability can be documented at any time by Disability Support Services but will only be in effect from that point on and not on any previous classroom or clinical participation.

GRADING AND EVALUATION

Students are required to maintain an minimum overall grade average of 75% or better in order to pass the course. This is in addition to any other college or program requirements that must be met in order to pass.

A = 93 - 100
B = 84 - 92
C = 75 - 83
D = 68 - 74 (74 or less constitutes failure of the course)
F = 0 - 67

Evaluations:

Examinations: 70% of Final Grade
Quizzes & Homework: 15% of Final Grade
Final Exam 15% of Final Grade

ACADEMIC AND CLASSROOM CONDUCT
The instructor has the primary responsibility over classroom behavior and maintenance of academic integrity, and can order the temporary removal or exclusion from the classroom of any student engaged in disruptive conduct or conduct in violation of the general rules & regulations of instruction. Extended or permanent exclusion from the classroom and further disciplinary action can be effected only through appropriate procedures of the college.

Plagiarism, cheating and other forms of academic dishonesty are prohibited. Students guilty of academic misconduct, either directly or indirectly through participation or assistance, are immediately responsible to the instructor of the course. In addition to other possible disciplinary sanctions which may be imposed through the institutional procedures as a result of academic misconduct, the instructor has the authority to assign an “F” or zero (0) for an activity or to assign an “F” for the course.

Students are required to wear the full Chattanooga State Clinical Uniform for all class sessions. The uniform is to be clean, in good repair, and worn professionally. Additionally, for specified class sessions, the dress code will be appropriate business attire. The instructor retains to right to dismiss any student who comes to class attired in a non-professional manner.

Instructors will be addressed by Title and Last Name, not by the first name.

Email Communication

Please note all communication with instructors about your course work should be through the eLearn Email system. For assistance on how to use the eLearn Email tool go to this url: http://river.chattanoogastate.edu/orientations/Student_PDFS/eLearn_eMail_aug09.pdf.

For all other communication the official email system used by the college is through Tiger Mail. This is accessible by clicking the blue paw icon from the top right hand side of your Tiger Web home page. https://tigerweb.chattanoogastate.edu,cp/home/displaylogin.

The instructor reserves the right to modify this syllabus, in writing, anytime during the course of the semester.

Revised 10/10/ere