

Course Number and Title: EMT 203 ALS Skills Lab I

Campus Location:

Dover

Effective Date:

2021-51

Prerequisite:

EMT 200, EMT 201, EMT 207

Co-Requisites:

EMT 217

Course Credits and Hours:

3.00 credits

0.00 lecture hours/week

10.00 lab hours/week

Course Description:

A comprehensive course focusing on advanced life support (ALS) skills associated with the current and anticipated paramedic scope of practice. Emphasis is placed on basic and advanced airway management, non-invasive monitoring, and electrical therapies.

Required Text(s):

Obtain current textbook information by viewing the [campus bookstore - https://www.dtcc.edu/bookstores](https://www.dtcc.edu/bookstores) online or visit a campus bookstore. Check your course schedule for the course number and section.

Additional Materials:

None

Schedule Type:

Classroom Course

Disclaimer:

All students must be able to access the Internet and know how to retrieve information from the Learning Management System on the DTCC web page.

Core Course Performance Objectives (CCPOs):

1. Demonstrate the ability to serve as a team member or a team leader during simulated patient contacts. (CCC 1, 2, 3, 4; PGC 1, 2, 3, 4, 5, 6, 7)
2. Perform basic and advanced life support skills in the lab setting that are consistent with the paramedic scope of practice and standard of care. (CCC 1, 2, 3, 4, 6; PGC 1, 5, 7)
3. Elicit a patient history during simulated patient contacts in the lab setting. (CCC 1, 2, 3, 4, 5; PGC 2, 6, 7)
4. Complete a pertinent, accurate physical examination as it pertains to a variety of medical conditions during simulated patient contacts in the lab setting. (CCC 1, 2, 3, 4, 5, 6; PGC 1, 3, 4, 6, 8)
5. Communicate history, physical findings, and treatment to other providers during simulated patient contacts in the lab setting. (CCC 1, 2, 3, 4, 5; PGC 1, 2, 6, 7)
6. Calculate drug dosages. (CCC 1, 2, 5, 6; PGC 1, 8)

See Core Curriculum Competencies and Program Graduate Competencies at the end of the syllabus. CCPOs are linked to every competency they develop.

Measurable Performance Objectives (MPOs):

Upon completion of this course, the student will:

1. Demonstrate the ability to serve as a team member or a team leader during simulated patient contacts.
 1. Communicate effectively with other members of the team and the patient during a simulated patient contact in the lab setting.
 2. Successfully complete basic and advanced life support skills delegated during simulated patient contacts.
 3. Analyze interview responses and physical examination findings in order to formulate a differential diagnosis.
2. Perform basic and advanced life support skills in the lab setting that are consistent with the paramedic scope of practice and standard of care.
 1. Demonstrate, in skills stations or patient simulations, the ability to perform the following advanced life support skills: intravenous catheter insertion; intravenous bolus medication administration; intramuscular medication administration; subcutaneous medication administration; intravenous drip medication administration; nebulized medication administration; orotracheal intubation; nasotracheal intubation; insertion of a combitube; insertion of a laryngeal mask airway; needle cricothyrotomy; needle chest decompression; insertion of an intraosseous needle; defibrillation; cardioversion; external pacing; ECG rhythm interpretation; 12-lead ECG interpretation; use of a Bougie stylet and Magill forceps; tracheal suctioning; orogastric and nasogastric tube insertion; Foley catheter insertion; glucometry; pulse oximetry and end tidal CO2 monitoring; oxygen administration; continuous positive airway pressure (CPAP) administration; and use of patient movement equipment and techniques.
3. Elicit a patient history during simulated patient contacts in the lab setting.
 1. Gather from the simulated patient a history of present illness using the OPQRST and SAMPLE mnemonics.
 2. Gather information about associated complaints, additional history, and pertinent negatives from simulated patients.
4. Complete a pertinent, accurate physical examination as it pertains to a variety of medical conditions during simulated patient contacts in the lab setting.
 1. Perform a primary and secondary assessment pertinent to the patient complaint.
 2. Assess vital signs: pulse, blood pressure, respiratory rate, and pulse oximeter.
 3. Assess and differentiate breath sounds.
 4. Interpret 3-lead and 12-lead electrocardiograms.
 5. Interpret blood gas analyses, blood glucose levels, and blood chemistries.
5. Communicate history, physical findings, and treatment to other providers during simulated patient contacts in the lab setting.
 1. Provide a concise radio report on a simulated patient in the lab setting.
 2. Provide a complete verbal report for transfer of care of a simulated patient in the lab setting.
 3. Share information with other providers during care of the simulated patient in the lab setting so that those providers may give correct care.
6. Calculate drug dosages.
 1. Calculate metric conversions.
 2. Calculate volume-based bolus, IV drip rates, weight-based IV bolus, and weight-based IV drip.
 3. Calculate desired dose, concentration on hand, and volume on hand.

Evaluation Criteria/Policies:

The grade will be determined using the Delaware Tech grading system:

90	-	100	=	A
80	-	89	=	B
70	-	79	=	C
0	-	69	=	F

Students should refer to the [Student Handbook - https://www.dtcc.edu/handbook](https://www.dtcc.edu/handbook) for information on the Academic Standing Policy, the Academic Integrity Policy, Student Rights and Responsibilities, and other policies relevant to their academic progress.

Core Curriculum Competencies (CCCs are the competencies every graduate will develop):

1. Apply clear and effective communication skills.
2. Use critical thinking to solve problems.
3. Collaborate to achieve a common goal.
4. Demonstrate professional and ethical conduct.
5. Use information literacy for effective vocational and/or academic research.
6. Apply quantitative reasoning and/or scientific inquiry to solve practical problems.

Program Graduate Competencies (PGCs are the competencies every graduate will develop specific to his or her major):

1. Perform all psychomotor, paramedic skills in the National Emergency Medical Services Education Standards consistent with acceptable practice for an entry-level paramedic.
2. Conduct complete, accurate and timely patient assessments, to include history and physical exam, and communicate findings.
3. Interpret assessment findings in order to accurately identify a differential diagnosis and integrate pathophysiologic principles and legal responsibilities to formulate a treatment plan.
4. Effectively perform the role of Team Leader to include: timely decision making, effective resource utilization, implementing appropriate plan of action for a given situation, adapting the plan to changing conditions and communicate.
5. Assess a scene or situation in order to identify threats to operating safely.
6. Apply communication and ethical decision-making skills required for an entry-level paramedic.
7. Exhibit professional, affective behavior.
8. Function effectively as an entry-level paramedic in the pre-hospital working environment in the roles of Team Leader and Team Member.

Disabilities Support Statement:

The College is committed to providing reasonable accommodations for students with disabilities. Students are encouraged to schedule an appointment with the campus Disabilities Support Counselor to request an accommodation needed due to a disability. A listing of campus Disabilities Support Counselors and contact information can be found at the [disabilities services - https://www.dtcc.edu/disabilitysupport](https://www.dtcc.edu/disabilitysupport) web page or visit the campus Advising Center.