

Fall 2019 - Spring 2020

College of DuPage (Dual Credit)

EMT Basic 2271 Emergency Medical Technician

10 Semester Credit Hours

Lead Instructor: Jason Magruder EMT-P

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Class Schedule

Monday –Friday.

First Session 7:50 a.m.- 9:50 a.m.

Second Session 9:53 a.m. – 11:50 a.m.

Third Session 12:26 p.m.- 2:26 p.m.

Credit Hours: 10 semester credit hours

Texts : American Academy of Orthopedic Surgeons (AAOS) 11th Edition (**Provided by Wilco**)
(ISBN: 9781284107029)

(For Students who already have the Text Book see Digital Supplement Below)

(ISBN:9781284131703) Preferred Digital Supplement

AHA – Basic Life Support for Healthcare Providers

Required Uniform:

Some days students will be required to be in uniform. Lockers will be provided for street clothes and nonessentials to be placed. Wilco EMT Basic shirts will be available for purchase. Students will need to provide:

- Black leather belt with plain silver buckle
- Black work shoes/boots
- Navy blue work pants
- Watch with second hand

Additional requirements for classroom: 3 ring binder and spiral notebook, stethoscope and B/B cuffs

Fees:

Fingerprinting test \$35

Wilco Polo Shirt	\$25
CPR	\$25
Clinical	\$20

Class Procedures:

All students will be responsible for reading and agreeing to abide by the Wilco EMT Basic Classroom Procedures, Wilco EMT Basic Safety Rules, Wilco EMT Basic Electronic Device Policy as well the Wilco Area Career Center Handbook.

Catalog Description

Course includes emergency care skills, including management of bleeding, fractures, airway obstruction, cardiac arrest and emergency childbirth. Curriculum also addresses patient assessment skills and the use and maintenance of common emergency equipment. Completion of this course with a grade of B or better, attendance and clinical completion qualifies students to sit for the state or national exam.

Prerequisites

Must be at least 18 years old with a high school diploma or equivalent to sit for the state or national exam.

CLASS POLICIES:

There will be written exams, terminology/vocabulary exams, quizzes, Homework Assignments, participation activities, and a project each semester. If a student will not be in attendance on a scheduled day of a written exam, it is suggested that the student contact their instructor prior to class. **The student will receive a grade of 0 if no contact or effort to retake is not made. The make-up exam will be the next day the student attends class. Students must have an 80% average. If 80% is not attained when clinicals begin the student will be ineligible for Clinical Emergency Room Rotations, ambulance ride time, and to challenge the National EMT Registry Exam or the State of Illinois EMT-B Licensing Exam.** Ineligible students may stay in the class to receive high school class credit and grade. By semester's end students must have maintained an 80% average in class comprised of all assessments, coursework, required attendance, and completion of clinicals to be eligible to challenge the National EMT Registry exam or the State of Illinois EMT-B Licensing Exam.

Course Methods of Instruction

Instructional methods may include (but are not limited to):

- Lecture, audio-visual presentations, class pronunciation drills, interactive whiteboard exercises
- Authentic healthcare/science lab activities in which students apply knowledge of

- medical terms as they apply to Emergency Medical Care and EMS careers
- Computer-based instruction & interactive internet activities, cooperative learning activities
- Individual & group workbook, worksheets, case studies and other print assignments
- Projects/presentations, word association activities (including drawing/illustration)

Attendance is mandatory for CPR classes and Practical Exams. Practical exams and hands on skills testing throughout the semester is Pass/fail

BLS CPR: CPR will be part of the curriculum. Successful completion of a written exam (**84% or greater**) and practical exam is mandatory. **The grade will be Pass/Fail and does not count towards the overall class grade. **If student has a current card that meets requirements they must still participate in the training sessions but do not owe the fee.***

EMT Basic 2271 Emergency Medical Technician

Grading Scale:

100 - 90 A
 89 - 80 B
 79 - 70 C
 69 - 60 D
 59 - 0 F

Overall Grade Breakdown:

Assessments: 30% of overall grade
Coursework: 40% of overall grade
Project based assessment/skills 20% of overall grade
Final Exam 10% of overall grade

Emergency Room Clinical Rotations: Emergency Room Rotations (16 hours) must be completed and paperwork signed and turned in by the posted deadline.

Ambulance Ride Time: Ambulance ride time of (16 hours) on an ACLS (Advanced Life Support) must be completed with paperwork signed and turned in by the posted deadline.

Attendance Policy: Daily attendance is crucial to be successful in this class. The Wilco Attendance and Grading Policy will apply. A portion of your grade is based on your attendance and participation. If a student misses more than a total of **10 days of class of the entire school year** they will be ineligible for the National or State EMT – B Exam. Time will be counted in 15 minute increments.

Incomplete Policy: Incompletes are not allowed for eligibility for state exam and COD credit.

Academic Honesty (see COD catalog, page 43, “Course-Related Academic Integrity – Board Policy 5050). Academic dishonesty is prohibited. An act of academic dishonesty will be met with appropriate disciplinary action.

Homework Assignments: Homework will be collected on the due date and will be checked for completion. All homework assigned must be fully completed to receive credit. Incomplete homework and homework not turned in on the due date will receive a reduced grade.

Methods of Evaluating Students:

Evaluation may include (but is not limited to):

- Final Exam
- Weekly quizzes/ Unit assessments (verbal/oral, computer-based, and/or written with multiple question formats)
- Projects (i.e. research; oral presentations; papers)
- Case study interpretation/analysis
- Participation in lab activities in which knowledge of EMS is applied
- Workbook exercises, online practice exercises
- Professionalism (Appearance, Demeanor, Reliability, Competence, Ethics, Communication, Documentation, Accountability)

Assessments: Chapter quizzes, Unit exams, Mid term, and Final Assessments will be included along with practical skills assessments.

COURSE OBJECTIVES/GOALS

Upon successful completion of the course the student should be able to do the following:

1. Identify the overall role and responsibilities of the Emergency Medical Technician
2. Identify possible reactions when faced with trauma, illness, death, and dying
3. Define the following: scope of practice, advance directives, do not resuscitate (DNR), duty to act, and patient confidentiality
4. Identify topographical terms and the anatomy/functions of major body systems
5. Identify vital signs, breathing rates, skin color, and temperature
6. Demonstrate the lifting and moving of patients
7. Describe common hazards found at a scene and the potential harm to rescuers and patients
8. Demonstrate Cardiopulmonary Resuscitation (CPR)
9. Demonstrate techniques for assessing patients
10. Demonstrate airway maintenance techniques
11. Demonstrate an organized, concise radio transmission to a receiving facility
12. Demonstrate steps for assisting patients with self-administration of medications
13. Describe the structure and function of the cardiovascular system
14. Demonstrate emergency medical care for diabetic patients in an altered mental state

15. Describe the emergency medical care of a patient with an allergic reaction
16. Demonstrate emergency medical care for a patient with a possible overdose
17. Demonstrate care of a patient with a gynecological emergency
18. Describe signs and symptoms of shock
19. Demonstrate spinal immobilization
20. List the phases of an ambulance call
21. Demonstrate how to maintain an airway by means of oral-tracheal intubation

TOPICAL OUTLINE

This course will include but not be restricted to the following topics:

1. Introduction to Emergency Medical Services (EMS)
2. Workforce safety and wellness of the Emergency Medical Technician (EMT) including protection against infectious diseases and stress management
3. Medical, legal and ethical issues of emergency care
4. Human anatomy and physiology as it relates to the provision of care in EMS
5. Vital signs
6. Roles and responsibilities of the EMT when lifting and moving patients
7. Therapeutic communication and documentation in patient care
8. Evaluation of the emergency scene for the insurance of personal and patient safety
9. Patient assessment for medical and trauma patients
10. Cardiopulmonary Resuscitation (CPR)
11. Principles of pharmacology and emergency medication
12. Airway management and respiratory pathophysiology, including advanced airway techniques and endotracheal intubation
13. Endocrine disorders and the management of diabetic patients
14. Hypersensitivity disorders and treatment of the anaphylactic reactions
15. Environmental emergencies and the treatment of heat and cold injuries
16. Gynecological emergencies, including obstetrics and neonatal care
17. Soft tissue injuries
18. Treatment of shock
19. Injuries to the head, neck, and spine
20. Pediatric emergencies
21. Patients with special needs
22. Ambulance operations
23. Incident management
24. Response to terrorism