



Western Technical College
10531109 EMT Basic
Course Outcome Summary

Course Information

Description	Designed to train the student in care of the patient at the scene of an accident or sudden severe illness and during transportation to the hospital. The Emergency Medical Technician (EMT) integrates signs and symptoms and intervenes accordingly, and operates ambulance equipment necessary for lifesaving care.
Career Cluster	Law, Public Safety, Corrections and Security
Instructional Level	Associate Degree Courses
Total Credits	5
Total Hours	180

Textbooks

Workbook for Emergency Care. 14th Edition. Copyright 2021. Limmer, Daniel J., Michael F. O’Keefe, and Edward T. Dickinson. Publisher: Pearson. **ISBN-13:** 978-0-13-537907-3. Required.

MyLab BRADY Emergency Care – Access. 14th Edition. Copyright 2021. Limmer, Daniel J., Michael F. O’Keefe, and Edward T. Dickinson. Publisher: Pearson. **ISBN-13:** 978-0-13-547914-8. Required.

Platinum Planner: EMR/EMT – Platinum Planner Access. 13th Edition. Copyright 2016. Limmer, Daniel J. Publisher: Pearson. **ISBN-13:** 978-0-13-445375-0. Required.

EMStesting.com – *EMT Access Card*. Copyright 2012. Platinum Educational Group. **ISBN-13:** 978-0-13-289589-7. Required.

531-109 EMT Program Bundle: Student Reference Guide, EMT Practical Skills Checklist, Clinical/Field Experience Guide Book, EMT Candidates Manual. Western. Publisher: Western. Required.

Learner Supplies

Program Clothing. **Vendor:** To be discussed in class. Required.

Watch with second hand - \$10.00-20.00. **Vendor:** To be discussed in class. Required.

Stethoscope \$25-200. **Vendor:** To be discussed in class. Optional.

Eye Protection. **Vendor:** To be discussed in class. Required.

Success Abilities

1. Live Responsibly: Develop Resilience
2. Refine Professionalism: Act Ethically
3. Refine Professionalism: Improve Critical Thinking
4. Refine Professionalism: Participate Collaboratively
5. Refine Professionalism: Practice Effective Communication

High Impact Practices

1. Community-Based Learning Service Hours: a key learning experience of this course is connecting course work while helping a community partner. Learn more about civic responsibility and enhance your community.
2. Work-Based Learning: this course applies your learning to your desired profession by working in industry placements such as internships, practicums, clinicals, or co-ops.

Program Outcomes

1. Prepare for incident response and EMS operations
2. Integrate pathophysiological principles and assessment findings to provide appropriate patient care
3. Demonstrate EMT skills associated with established standards and procedures for a variety of patient encounters
4. Communicate effectively with others
5. Demonstrate professional behavior
6. Meet state competencies for EMT certification

Course Competencies

1. **M1.1. Demonstrate proper wellness/safety procedures, patient transfer and medical legal considerations as an EMT.**

Assessment Strategies

- 1.1. written, graphic, or oral assessment
- 1.2. practical skill assessment

Criteria

You will be a successful EMT when

- 1.1. you meet the college threshold for successful achievement on required skill demonstration.
- 1.2. you differentiate the roles and responsibilities of the EMT from other prehospital care providers.

Learning Objectives

- 1.a. M1.1.1. Explore emergency care
- 1.b. M1.1.2. Demonstrate proper workforce safety and wellness
- 1.c. M1.1.3. Examine Medical/Legal and Ethical Issues in EMS
- 1.d. M1.1.4. Demonstrate Lifting and Moving Patients

2. M1.2. Relate anatomy-physiology and pathophysiology to the profession of an EMT.

Assessment Strategies

- 2.1. written, graphic, or oral assessment
- 2.2. practical skill assessment

Criteria

You will be a successful EMT when

- 2.1. you answer questions related to the learning objectives on written, graphic, or oral assessment(s).
- 2.2. you meet the college threshold for successful achievement on required skill demonstration.
- 2.3. you recognize normal anatomy and function of the human body.

Learning Objectives

- 2.a. M1.2.1. Summarize the human body and human physiology
- 2.b. M1.2.2. Examine pathophysiology as related to the practice of an EMT

3. M2.1. Demonstrate thorough primary and secondary patient assessments.

Assessment Strategies

- 3.1. written, graphic, or oral assessment
- 3.2. practical skill assessment

Criteria

You will be a successful EMT when

- 3.1. you meet the college threshold for successful achievement on required skill demonstration
- 3.2. you perform an initial patient assessment.
- 3.3. you obtain baseline vital signs.

Learning Objectives

- 3.a. M2.1.1. Describe a scene size up
- 3.b. M2.1.2. Demonstrate a primary assessment
- 3.c. M2.1.3. Demonstrate a secondary assessment
- 3.d. M2.1.4. Explain why reassessment is important

4. M2.2. Demonstrate history taking as a part of a thorough patient assessment.

Assessment Strategies

- 4.1. written, graphic, or oral assessment
- 4.2. practical skill assessment

Criteria

You will be a successful EMT when

- 4.1. you answer questions related to the learning objectives on written, graphic, or oral assessment(s)
- 4.2. you meet the college threshold for successful achievement on required skill demonstration
- 4.3. you take a SAMPLE patient history.

Learning Objectives

- 4.a. M2.2.1. Demonstrate a thorough history taking, vital signs and use of monitoring devices
- 4.b. M2.2.2. Discuss EMS system communication and therapeutic communication
- 4.c. M2.2.3. Demonstrate accurate and complete documentation

5. M2.3. Distinguish among the anatomical, physical, cognitive, and emotional differences of pediatric and adult patients.

Assessment Strategies

- 5.1. written, graphic, or oral assessment
- 5.2. practical skill assessment

Criteria

You will be a successful EMT when

- 5.1. you answer questions related to the learning objectives on written, graphic, or oral assessment(s)
- 5.2. you meet the college threshold for successful achievement on required skill demonstration

Learning Objectives

- 5.a. M2.3.1. Identify potential care needs based on patient age
- 5.b. M2.3.2. Demonstrate a complete physical assessment on a variety of patients

6. M2.4. Examine the physiological and psychosocial characteristics associated with various stages of life.

Assessment Strategies

- 6.1. written, graphic, or oral assessment
- 6.2. practical skill assessment

Criteria

You will be a successful EMT when

- 6.1. you answer questions related to the learning objectives on written, graphic, or oral assessment(s)
- 6.2. you meet the college threshold for successful achievement on required skill demonstration

Learning Objectives

- 6.a. M2.4.1. Review lifespan development
- 6.b. M2.4.2. Discuss differences between adult and pediatric patients

7. M3.1. Investigate the respiratory process and anatomy of the airway.

Assessment Strategies

- 7.1. written, graphic, or oral assessment
- 7.2. practical skill assessment

Criteria

You will be a successful EMT when

- 7.1. you answer questions related to the learning objectives on written, graphic, or oral assessment(s)
- 7.2. you meet the college threshold for successful achievement on required skill demonstration

Learning Objectives

- 7.a. M3.1.1. Review the anatomy and physiology of the airway and processes of ventilation and respiration
- 7.b. M3.1.2. Describe potential complications related to the ventilation of a patient of a variety of ages

8. M3.2. Demonstrate the proper basic and advanced airway management.

Assessment Strategies

- 8.1. written, graphic, or oral assessment
- 8.2. practical skill assessment

Criteria

You will be a successful EMT when

- 8.1. you answer questions related to the learning objectives on written, graphic, or oral assessment(s)
- 8.2. you meet the college threshold for successful achievement on required skill demonstration

Learning Objectives

- 8.a. M3.2.1. Distinguish airway management, respiration and artificial ventilation
- 8.b. M3.2.2. Demonstrate the use of advanced airways used by EMT's

9. M4.1. Classify the different types of shock.

Assessment Strategies

- 9.1. written, graphic, or oral assessment
- 9.2. practical skill assessment

Criteria

You will be a successful EMT when

- 9.1. you answer questions related to the learning objectives on written, graphic, or oral assessment(s)
- 9.2. you meet the college threshold for successful achievement on required skill demonstration

Learning Objectives

- 9.a. M4.1.1. Review the different stages of shock
- 9.b. M4.1.2. Explain the different types of shock
- 9.c. M4.1.3. Determine the management of a patient with a variety of shock states

10. M4.2. Demonstrate the correct management of a patient in a state of shock.

Assessment Strategies

- 10.1. written, graphic, or oral assessment
- 10.2. practical skill assessment

Criteria

You will be a successful EMT when

- 10.1. you answer questions related to the learning objectives on written, graphic, or oral assessment(s)
- 10.2. you meet the college threshold for successful achievement on required skill demonstration

Learning Objectives

- 10.a. M4.2.1. Identify the patient's type and stage of shock
- 10.b. M4.2.2. Choose the correct management of the patient

11. M5.1. Demonstrate a correct medical assessment.

Assessment Strategies

- 11.1. written, graphic, or oral assessment
- 11.2. practical skill assessment

Criteria

You will be a successful EMT when

- 11.1. you answer questions related to the learning objectives on written, graphic, or oral assessment(s)
- 11.2. you meet the college threshold for successful achievement on required skill demonstration

Learning Objectives

- 11.a. M5.1.1. Complete a history on a patient with a medical condition
- 11.b. M5.1.2. Demonstrate a physical examination on a patient with a medical condition

12. M5.2. Examine the assessment findings, pathophysiology and treatment for patients with respiratory, cardiac, hematological, abdominal, genitourinary, endocrine immunological, toxicological and psychiatric disorders.

Assessment Strategies

- 12.1. written, graphic, or oral assessment
- 12.2. practical skill assessment

Criteria

You will be a successful EMT when

- 12.1. you answer questions related to the learning objectives on written, graphic, or oral assessment(s)
- 12.2. you meet the college threshold for successful achievement on required skill demonstration

Learning Objectives

- 12.a. M5.2.1. Review assessment findings on patients with a variety of medical emergencies
- 12.b. M5.2.2. Demonstrate treatments of patients with a variety of medical emergencies

13. M5.3. Apply the principles of emergency medicine pharmacology as related to the EMT.

Assessment Strategies

- 13.1. written, graphic, or oral assessment
- 13.2. practical skill assessment

Criteria

You will be a successful EMT when

- 13.1. you answer questions related to the learning objectives on written, graphic, or oral assessment(s)
- 13.2. you meet the college threshold for successful achievement on required skill demonstration

Learning Objectives

- 13.a. M5.3.1. Explain the medications used by an EMT
- 13.b. M5.3.2. Identify indications, contraindications, dosage and route of administration of medications administered by EMT's

14. M5.4. Demonstrate correct administration of emergency medications as allowed by EMT's.

Assessment Strategies

- 14.1. written, graphic, or oral assessment
- 14.2. practical skill assessment

Criteria

You will be a successful EMT when

- 14.1. you answer questions related to the learning objectives on written, graphic, or oral assessment(s)
- 14.2. you meet the college threshold for successful achievement on required skill demonstration

Learning Objectives

- 14.a. M5.4.1. Practice the administration of emergency medications used by EMT's
- 14.b. M5.4.2. Describe the management of a variety of medical emergencies using EMT pharmacology

15. M6.1. Demonstrate a correct trauma assessment.

Assessment Strategies

- 15.1. written, graphic, or oral assessment
- 15.2. practical skill assessment

Criteria

You will be a successful EMT when

- 15.1. you answer questions related to the learning objectives on written, graphic, or oral assessment(s)
- 15.2. you meet the college threshold for successful achievement on required skill demonstration

Learning Objectives

- 15.a. M6.1.1. Complete a history on a patient with a traumatic injury
- 15.b. M6.1.2. Demonstrate a physical examination on a patient with a traumatic injury

16. M6.2. Apply treatment principles for patients with soft tissue injuries, orthopedic, nervous system and head and spine trauma.

Assessment Strategies

- 16.1. written, graphic, or oral assessment
- 16.2. practical skill assessment

Criteria

You will be a successful EMT when

- 16.1. you answer questions related to the learning objectives on written, graphic, or oral assessment(s)
- 16.2. you meet the college threshold for successful achievement on required skill demonstration

Learning Objectives

- 16.a. M6.2.1. Review assessment principles and findings for a trauma patient
- 16.b. M6.2.2. Demonstrate appropriate treatment for a patient with a traumatic injury
- 16.c. M6.2.3. Identify the need for rapid transport in the trauma patient

17. M6.3. Manage a patient with environmental emergencies.

Assessment Strategies

- 17.1. written, graphic, or oral assessment
- 17.2. practical skill assessment

Criteria

You will be a successful EMT when

- 17.1. you answer questions related to the learning objectives on written, graphic, or oral assessment(s)
- 17.2. you meet the college threshold for successful achievement on required skill demonstration

Learning Objectives

- 17.a. M6.3.1. Demonstrate specific assessment findings for a patient with a heat emergency
- 17.b. M6.3.2. Demonstrate specific assessment findings for a patient with a cold emergency

18. M7.1. Demonstrate the management of a patient with an obstetrical emergency including child birth.

Assessment Strategies

- 18.1. written, graphic, or oral assessment
- 18.2. practical skill assessment

Criteria

You will be a successful EMT when

- 18.1. you answer questions related to the learning objectives on written, graphic, or oral assessment(s)
- 18.2. you meet the college threshold for successful achievement on required skill demonstration

Learning Objectives

- 18.a. M7.1.1. Review assessment findings of a patient with an obstetrical emergency
- 18.b. M7.1.2. Demonstrate appropriate management of a patient with an obstetrical emergency

19. M7.2. Apply assessment and treatment principles for a variety of emergencies for pediatric and geriatric patients.

Assessment Strategies

- 19.1. written, graphic, or oral assessment
- 19.2. practical skill assessment

Criteria

You will be a successful EMT when

- 19.1. you answer questions related to the learning objectives on written, graphic, or oral assessment(s)
- 19.2. you meet the college threshold for successful achievement on required skill demonstration

Learning Objectives

- 19.a. M7.2.1. Review assessment considerations for geriatric and pediatric patients
- 19.b. M7.2.2. Discuss development for a variety of age ranges
- 19.c. M7.2.3. Demonstrate a history and physical on a variety of patients

20. M7.3. Simulate assessment and treatment considerations for a patient with special challenges.

Assessment Strategies

- 20.1. written, graphic, or oral assessment
- 20.2. practical skill assessment

Criteria

You will be a successful EMT when

- 20.1. you answer questions related to the learning objectives on written, graphic, or oral assessment(s)
- 20.2. you meet the college threshold for successful achievement on required skill demonstration

Learning Objectives

- 20.a. M7.3.1. Describe various physical limitations that would affect assessments in a patient with special challenges

- 20.b. M7.3.2. Describe various cognitive limitations that would affect assessment in a patient with special challenges

21. M8.1. Outline principles of safe ground and air ambulance operations.

Assessment Strategies

- 21.1. written, graphic, or oral assessment
21.2. practical skill assessment

Criteria

You will be a successful EMT when

- 21.1. you answer questions related to the learning objectives on written, graphic, or oral assessment(s)
21.2. you meet the college threshold for successful achievement on required skill demonstration

Learning Objectives

- 21.a. M8.1.1. Examine items of safe ground ambulance operations
21.b. M8.1.2. Examine safety considerations for air ambulance operations

22. M8.2. Apply principles of incident management.

Assessment Strategies

- 22.1. written, graphic, or oral assessment

Criteria

You will be a successful EMT when

- 22.1. you answer questions related to the learning objectives on written, graphic, or oral assessment(s)

Learning Objectives

- 22.a. M8.2.1. Meet FEMA IS-100 training requirements
22.b. M8.2.2. Meet FEMA ICS 700 training requirements

23. M8.3. Examine concepts related to motor vehicle extrication.

Assessment Strategies

- 23.1. written, graphic, or oral assessment
23.2. practical skill assessment

Criteria

You will be a successful EMT when

- 23.1. you answer questions related to the learning objectives on written, graphic, or oral assessment(s)
23.2. you meet the college threshold for successful achievement on required skill demonstration

Learning Objectives

- 23.a. M8.3.1. Discuss safety considerations when participating in vehicle extrication
23.b. M8.3.2. Demonstrate the safe removal of a patient from a vehicle involved in an accident

24. M8.4. Identify potential Weapons of Mass Destruction incidents and describe their management.

Assessment Strategies

- 24.1. written, graphic, or oral assessment

Learning Objectives

- 24.a. M8.4.1. Meet HAZWOPER training requirements for Wisconsin
24.b. M8.4.2. Meet Wisconsin WMD Training requirements for Wisconsin