

Syllabus

Course: Medical Care Provider (PE-0032)

0 Credits

Course Background:

Medical Care Provider (PE-0032) is a graduation requirement for all Marine Transportation and Marine Engineering students. Students who complete MCP receive an STCW certificate as well as an American Red Cross certification in Adult CPR, AED, and First Aid.

MCP is offered during the first and second semesters of senior year, and is valid for only one year. Students who exceed a one-year period must repeat the course, and for this reason, Mariner Credentialing does not recommend that students try to take this course in their junior year.

Prerequisites: None.

STCW Component: Both examination and the following practical assessments

- Assess and treat life-threatening conditions
- Perform a detailed physical assessment
- Immobilize a victim with a spinal injury
- Immobilize and apply traction a victim with a broken femur
- Immobilize a long bone fracture
- Perform CPR
- Use an AED
- Manage obstructed airway in a conscious victim
- Manage obstructed airway in an unconscious victim

This course meets the requirements for 46 CFR 11.309(a)(4)(i) and the competency requirements of Section A-VI/4-1 of the STCW Code for OICNW, AND 46 CFR12.13-1 and the competency requirements of Section A-VI/4-1 of the STCW Code for OICEW.

Course Overview:

Medical Care Provider is a certificate-bearing class designed to provide the minimum standard of proficiency for persons designated to provide medical first aid on board ship. MMA utilizes the American Red Cross method of CPR and first aid. Students learn how to recognize and approach an emergency situation, assess the situation, get help, and treat the conditions found at the scene.

Course Learning Outcomes:

Upon successful completion of the course, a student will be able to

- apply immediate first aid in the event of accident or illness on board.
- promptly and accurately identify probable cause, nature, and extent of injuries.
- minimize the risk of harm to others.
- give appropriate treatment for injuries and the patient's condition using recognized first aid practices and international guidelines.

Attendance Policy:

Medical Care Provider comprises six class meetings and attendance is mandatory at each meeting. Students may wear the working uniform to class, or any other uniform specified by the instructor. Students should be prepared to participate in class by taking notes, participating in discussions, taking quizzes, and performing practical assessments.

Student Assessment:

Students are assessed by examination and by the demonstration of practical skills. Students will be required to successfully demonstrate each skill required.

Before giving care

- Disease transmission and prevention, including onboard disposal of bio-hazardous material
- Taking Action: Emergency Action Steps
- Assessment of hazards
- Hazards of confined entry and rescue from confined spaces
- Checking an unconscious person
- Incident stress

Body Structure and Function

- Skeletal structure
- Joints, muscle groups, tendons
- Major organs
- Circulatory systems

Positioning of the Casualty

- Creating a staging area
- Moving the victim out of danger
- Recovery position and resuscitation position

Cardiac Emergencies, CPR and AED

- Background: when the heart suddenly fails
- Heart Attack and Cardiac Arrest
- How to perform Cardiopulmonary Resuscitation
- How and when to use an AED, including precautions

Breathing Emergencies

- Respiratory Distress and Respiratory Arrest
- Choking
- How to assist a conscious choking adult
- How to assist an unconscious choking adult

First Aid

- Sudden illness, including heat and cold related emergencies, and lightening injuries
- Diabetic emergencies
- Bites, stings, and poisonous plants
- Wounds and burns, especially from electricity, chemicals and other hazardous materials
- Injuries to muscle, joints and bones
- Asthma
- Anaphylaxis and epinephrine auto- injectors
- Special situations

Management of Shock

- Understands the causes of shock
- Recognizes symptoms of shock
- Applies the appropriate principles of shock management

Rescue and Transport of Casualties

- Stretcher transport
- Preparing a victim for helicopter evacuation
- Spinal injury

Onboard and Shore Resources

- The onboard hospital and medical chest
- Use of medical guides
- Use of Material Safety Data Sheets
- Practical application of medical advice by radio
- Activating EMS system

Massachusetts Maritime Academy is committed to providing equal and integrated access for students with disabilities to all available academic, social, and recreational programs and activities. If you have a documented learning disability and feel that you will need special accommodations in order to complete course requirements, please contact our Office of Disability Services.