

ALABAMA FIRE COLLEGE

AND PERSONNEL STANDARDS & EDUCATION COMMISSION



COURSE SYLLABUS

Marine Fire Fighter

FSC 142

40 clock hours

PREREQUISITES

- High School diploma/GED
- (Pro Board or IFSAC) Certified Firefighter II

REQUIRED COURSE MATERIALS

- **IFSTA: Marine Fire Fighting for Land-Based Firefighters, 3rd Edition**

Required Equipment:

- NFPA Compliant turnout gear
- SCBA and spare bottle
- PASS device

DESCRIPTION

This course is based on NFPA 1005: *Standard for Professional Qualifications for Marine Fire Fighting for Land-Based Fire Fighter*, 2019 Edition. The course is designed for individuals who respond to an incident and operate on a vessel while performing defensive and offensive functions inside the cold, warm, and hot zone on board a vessel. Emergency responders will learn how to identify and mitigate the many hazards associated with maritime domain. In addition, students will learn how to conduct emergency response planning at marine facilities, identify key vessel personnel, conduct a vessel inspection and discuss the many strategies and tactics fire fighters will use to control fires at marine facilities and onboard vessels.

STUDENT LEARNING OBJECTIVES

- Board a vessel
- Access a specified location on a vessel
- Position the apparatus at a marine incident
- Establish connections for the water supply at an incident
- Remove a victim from a vessel as a member of a team
- Protect an exposure at a marine fire incident as a member of a team
- Collect and report vessel stability information
- Control vessel movement
- Transmit and receive messages via marine facility and vessel communications equipment
- Locate a marine facility or vessel representative
- Retrieve a vessel fire control plan and other specified documents from a cold zone on the vessel
- Transmit and receive messages to vessel personnel and other agencies responding to an incident
- Establish command at an incident
- Develop and monitor an initial action plan for an incident
- Control access to a vessel
- Evacuate a vessel or exposure Level II (In Development)
- Access a fire compartment operating as a member of a team
- Control marine facility utilities
- Control cargo transfer to and from a vessel
- Advance hose lines for boundary protection and other defensive fire operations onboard a vessel operating as a member of a team
- Ventilate smoke from a vessel operating as part of a team
- Operate onboard vessel fixed fire suppression systems as a member of a team

- Assess fire conditions onboard a vessel while operating as a member of a team
- Confirm the location and identity of exposures, hazards, or hazardous materials from vessel documents or personnel as a member of a team
- Interpret marine facility and vessel documents
- Remove water from, or transfer water within, a vessel while operating as a member of a team
- Attack a fire within a vessel operating as a member of a team
- Conduct a search and rescue operation for a missing or downed fire fighter on a vessel operating as a member of a team
- Conduct a search and rescue operation for a missing victim on a vessel operating as a member of a team
- Determine the need for and deploy special extinguishing agents needed to attack a fire on a vessel
- Develop a pre-incident survey for a vessel

CERTIFICATION REQUIREMENTS

To be issued certification, the candidate will: provide documentation of prerequisites, complete required training hours including skills training, successfully complete the cognitive written exam, and successfully complete the practical exam.

ACCREDITATION

Alabama Fire College and Personnel Standards Commission maintains accreditation with Pro Board and IFSAC. Each student will automatically receive national registration and certification upon successful completion of all requirements for certification.

COURSE SCHEDULE (SUBJECT TO CHANGE)

Day One:	Introductions: The Maritime Domain, Organizational Roles, Structures, and Resources, Vessel Types, Vessel Markings, Arrangement, Construction, and Systems
Day Two:	Vessel Safety and Hazards, Fire Detection, Fire Suppression, and Inert Gas Systems, Vessel and Facilities plans, Drawings, and Documents
Day Three:	Incident Response, Cargo, Vessel Stability
Day Four:	Training for Marine Fire Fighting, JPR Practical Skills Exercises and Practice
Day Five:	JPR Skills Testing, Review, Paperwork, Written Certification Examination

GRADE ASSESSMENT

WRITTEN EXAMINATION

Perform to a minimum 70% competency on the examination,
(One retest is allowed after 30 days but within one year of course end date.)

PRACTICAL EXAMINATION

Successfully complete a skills/project evaluation to a minimum of 70% competency and successful completion of all critical points. Evaluators will test at least 25% of the skills for each. Skill sheets to be tested will be randomly selected by AFC Certification Unit for the practical examination. (One retest is allowed after 30 days but within one year of course end date.)