

University of Illinois Fire Service Institute

Course Syllabus

Course Title: Mobile Water Supply Apparatus Driver/Operator

Course Duration: 16 hours

Program: Driver/Operator

Course Prerequisites: None

Required for National Certification:

NFPA Firefighter I Certification, and
Fire Service Vehicle Operator Certification, or
Class A or Class B Commercial Driver's License, or
Military Driver's License for the vehicle being operated

Course Description: This 16-hour course is designed for Firefighters who will be expected to operate mobile water supply apparatus. Students will learn the basics of mobile water supply operations, fill site establishment, dump site establishment, and the operation of mobile water supply apparatus. Students will be required to operate mobile water supply apparatus in a mobile water supply operation.

Course Requirements and/or Recommendations:

Pre-Course Work – None
Course Work – None
Post-Course Work – None

Course Policies:

Attendance Policy: IFSI requires students to attend (100%) or make up all course content that leads to certification. Students are expected to attend on time and to remain in class for the duration of the course. Students **MUST COMPLETE** all portions of a certification course, both classroom and practical, to be eligible to receive their certification.

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If a student misses any portion of class with an accumulated absence of 20% or less of scheduled class time, it will be the student's responsibility to arrange the make-up of the missed course content with the instructor(s) or program manager. The student must make up the specific course content that s/he missed, not just the hours. Make-ups are limited to 20% of scheduled class time. Make-ups must be documented on the class roster. If a student's absence is greater than 20% refer to "True Emergencies" section of the IFSI Examination Policy.

Safety Policy: Students shall understand and follow all instructions pertaining to operational safety, as stated by instructors or as written in course materials. Instructors and students shall be mindful of safety at all times. Conduct judged to be unsafe shall be grounds for dismissal from the course.

Academic Integrity Policy: IFSI has the responsibility for maintaining academic integrity so as to protect the quality of the education provided through its courses, and to protect those who depend upon our integrity. It is the responsibility of the student to refrain from infractions of academic integrity, from conduct that may lead to suspicion of such infractions, and from conduct that aids others in such infractions. Any violation of the code of conduct is grounds for immediate dismissal from the course.

Grading Policy: Decisions regarding certificates of course completion shall be made solely by the lead instructor of the course. All grading of exams shall be conducted by the Curriculum/Testing Office. All grading of practical exercises shall be based upon the standards set by the regulatory agency referenced in the course material and IFSI.

Retesting: If a student fails to pass an exam, retesting takes place on set dates at regional sites across the state. More information is provided in the course completion e-mail and on the IFSI website.

American Disabilities Act: As guaranteed in the Vocational Rehabilitation Act and in the American Disabilities Act, if any student needs special accommodations they are to notify their instructor and provide documentation as soon as possible so arrangements can be made to provide for the student's needs. If arrangements cannot be made at the class site, the student will test at an alternative time and place where the special accommodations can be made.

Evaluation Strategy: Students will be evaluated with performance evaluation checklists.

Textbook:

Jones and Bartlett Learning, Fire Apparatus Driver/Operator, 3rd Edition 2019

The student will need to acquire the textbook prior to the start of class.

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Course Content:

Module: 0

Title: Pre-requisite Requirement Fulfillment

Terminal Learning Objective:

At the conclusion of this module, the student will demonstrate the ability to perform the pre-requisite job performance requirements.

Module: 1

Title: Mobile Water Supply Operations

Terminal Learning Objective:

At the conclusion of this module, the student will describe mobile water supply operations.

Module: 2

Title: Fill Site Operations

Terminal Learning Objective:

At the conclusion of this module, the student will demonstrate establishing a fill site for a mobile water supply operation.

Module: 3

Title: Dump Site Operations

Terminal Learning Objective:

At the conclusion of this module, the student will demonstrate establishing a dump site for a mobile water supply operation.

Module: 4

Title: Mobile Water Supply Apparatus Operations

Terminal Learning Objective:

At the conclusion of this module, the student will demonstrate the safe operation of a mobile water supply apparatus.

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Reference List: (listed in alphabetical order)

IFSI, Fire Apparatus Engineer, Version 7.1, 2019

IFSTA, Pumping Apparatus Driver/Operator Handbook, 3rd Edition 2015

Jones and Bartlett Learning, Fire Apparatus Driver/Operator, 3rd Edition 2019

Mechanicsville Volunteer Fire Dept. (MD), Water Supply Procedures Manual, v21
2003

NFPA 1002, Standard for Fire Apparatus Driver/Operator Professional
Qualifications, 2017 Edition

NFPA 1142, Standard on Water Supplies for Suburban and Rural Fire Fighting,
2017 Edition

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Course Schedule

DAY ONE

<u>Event</u>	<u>Duration</u>
Module 1 - Mobile Water Supply Operations	35 minutes
Module 2 - Fill Site Operations	20 minutes
Module 3 - Dump Site Operations	15 minutes
Module 4 - Mobile Water Supply Apparatus Operations	20 minutes
Drill 4.1 – Inspect a Mobile Water Supply Apparatus	30 minutes
Drill 2.1 – Establish a Fill Site from a hydrant	2 hours
Lunch	
Drill 2.2 – Establish a Fill Site from a static source	2 hours
Drill 3.1 – Establish a Dump Site	2 hours

DAY TWO

<u>Event</u>	<u>Duration</u>
Drill 4.2 – MWSA Fill Site Operations	2 hours
Drill 4.3 – MWSA Dump Site Operations	2 hours
Lunch	
Final Scenario – ISO Water Supply Delivery Test	4 hours
(Final Evaluations for driving pre-requisite skills will be completed during the final scenario – if required)	

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OPTIONAL FIRST DAY (if required to fulfill pre-requisites)

<u>Event</u>	<u>Duration</u>
Drill 0.2.1 – Public Roadway Driving	2 hours
Drill 0.2.2 – Alley Dock	30 minutes
Drill 0.2.3 – Serpentine	30 minutes
Drill 0.2.4 – Confined Space Turnaround	30 minutes
Drill 0.2.5 – Diminishing Clearance	30 minutes
Lunch	
Drill 0.3.1 - Receive & Transmit an Alarm	30 minutes
Drill 0.3.2 – Answering the FD Phone	30 minutes
Drill 0.3.3 – Operating the FD Radio	30 minutes
Drill 0.3.4 – Emergency Procedures	30 minutes
Final Evaluations Stations	2 hours