

# SD Certified Driver Operator Course Syllabus

**Course Description:** The SD Certified Driver Operator Course is component of the SD Fire Service Training Program. Below is a listing of the curriculum, online training course sections, hands on skills and testing that are required to be completed in order to become a SD Certified Driver Operator. Course curriculum follows the NFPA 1002 Standard for Driver/Operator Professional Qualifications.

**Options:** SD Fire Departments/Instructors now have the option of delivering the SD Certified Driver Operator course using:

1. A traditional classroom setting, along with the ATS online sections for the course.

**Instructor:** The course must be proctored/led by a SD Certified Fire Service Instructor.

## **Approved Curriculum: IFSTA**

Pumping Apparatus Driver/Operator 3<sup>rd</sup> Edition  
Pumping and Aerial Apparatus Driver/Operator 3<sup>rd</sup> Edition  
South Dakota Emergency Vehicle Operations Class (EVOC)

## **Classroom Led Courses:**

Instructors should use the training materials and PowerPoint presentations designed and provided for the approved curriculum.

## **Interactive Online Courses:**

Action Training Systems (ATS Online) Interactive Courses: An access code is required for each student using the online courses. Access codes can be purchased thru the SD Redbook Fund at a fee of \$20.00. ATS Online access codes are valid for one year: from September 1 – August 31 of following year. SD Redbook Contact is Adam Frick @ 1-605-760-4693 or [sdredbook@gmail.com](mailto:sdredbook@gmail.com) Classes must be set up with your local Fire Marshal and a list of students attending will be emailed to [mike.erickson@state.sd.us](mailto:mike.erickson@state.sd.us) and a group will be set up for that class and an informational email will be sent to you weekly with progress of your students.

**Note:** ATS Online courses for Driver Operator are designed to teach to NFPA 1002 using the IFSTA manual. Layout of the provided information is slightly different in each manual, so use the correlation guide below to match each online course with the proper book chapter. Classes marked with the \* are classroom classes with no ATS online classes.

## **Testing:**

- **(Online Only) Students must pass the Online Course Chapter testing.** The online testing will be monitored directly by the State Fire Marshal's office and the Class Proctor/ Lead Instructor.
- **Pass the Driver Operator written test(s) with a 70% or better grade.** (Given by the State Fire Marshal's Office)
- **(Optional) And pass the Aerial Operator portion with a 70% or better grade.**

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Listings below show the chapters to read, the classroom led instruction and the online class completion required to get the particular attendance section signed off of on the Certification Card.

## \*Types of Apparatus Equipped with a pump

IFSTA - Chapter 1                      Types of Apparatus Equipped with a pump

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## Apparatus Inspections and Maintenance

IFSTA – Chapter 2                      Apparatus Inspections and Maintenance

IFSTA – Chapter 12                      Apparatus Testing

ATS Online                              PA004 Apparatus Inspections and Maintenance

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## Apparatus Safety and Operating Emergency Vehicles

IFSTA – Chapter 3                      Apparatus Safety and Operating Emergency Vehicles

ATS Online                              PA001 Safety and Operating Emergency Vehicles

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## Positioning Apparatus

IFSTA – Chapter 4                      Positioning Apparatus

ATS Online                              PA002 Positioning Apparatus

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## \*Principles of water

IFSTA – Chapter 5                      Principles of water

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## Hose Nozzles and Flow Rates

IFSTA – Chapter 6                      Hose Nozzles and Flow Rates

ATS Online                              PA003 Operating Fire Pumps

ATS Online                              Firefighter 1 - EF117 Fire Streams

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## Theoretical Pressure Calculations

IFSTA – Chapter 7                      Theoretical Pressure Calculations

ATS Online                              PA003 Operating Fire Pumps

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## \*Fire ground Hydraulic Calculations

IFSTA – Chapter 8                      Fire ground Hydraulic Calculations

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## Fire Pump Theory

IFSTA – Chapter 9                      Fire Pump Theory

ATS Online                              PA003 Operating Fire Pumps

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## Operating Fire Pumps

IFSTA – Chapter 10	Operating Fire Pumps
IFSTA – Chapter 11	Static Water Supply Sources
IFSTA – Chapter 12	Relay Pump Operation
IFSTA – Chapter 13	Water Shuttle Operations
ATS Online	PA003 Operating Fire Pumps, PA005 Water Shuttle and Relay Pumping, Firefighter II EF204

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## \*Foam Equipment and Systems

IFSTA – Chapter 14	Foam Equipment and Systems
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## \*Apparatus Testing

IFSTA – Chapter 15	Apparatus Testing
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**If you want to complete the Certified Aerial Driver Operator portion you must use the IFSTA Pumping and Aerial Apparatus Driver/Operator 3<sup>rd</sup> Edition.**

## \*Aerial Apparatus

IFSTA – Chapter 16	Introduction to Aerial Apparatus
IFSTA – Chapter 17	Positioning Aerial Apparatus
IFSTA – Chapter 18	Stabilizing the Apparatus
IFSTA – Chapter 19	Operating Aerial Apparatus
IFSTA – Chapter 20	Aerial Apparatus Strategies and Tactics

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**Written Test,** Red card performance competencies must be completed before a student has met the standards to test. See the following the page for performance competencies of requirements (SD Fire Marshal's Office)

Note: If at any time throughout the course, the Proctor/Lead Instructor feels that a student may need additional time in a particular subject matter (whether that be classroom, online instruction or hands on skills), they may instruct the student to retake any portion of the course they deem necessary. It is the Proctor/Lead Instructors ultimate responsibility to make sure that their students have met the minimum level of knowledge, skills and abilities to be able to be called a SD Certified Driver Operator.

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## **FIRE PUMP OPERATIONS PRACTICAL EXERCISES**

Complete the EVOC Course (Classroom power points provided by the Fire Marshals Office)

Complete an apparatus maintenance Check sheet as provided by the local Jurisdiction

Operate a fire pump using water from Apparatus tank

Operate a fire pump from a pressurized Hydrant system

Operate a fire pump from draft

Create a fire stream with foam(s) used by the local jurisdiction

(Group Activity) Perform a water shuttle Operation

Operate fire Pumps in a relay operation

(Optional Group Activity) Perform an Annual service test

## **AERIAL/OPERATOR PRACTICAL EXERCISES**

Driving an Aerial

Aerial Setup and Fire Ground Safety Operations.