SD Certified Firefighter Course Syllabus
(For any new courses starting after July 1st, 2021)

Course Description: The SD Certified Firefighter Course is the foundation 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 become a SD Certified Firefighter. Course curriculum follows the NFPA 1001 (2019 edition) Standard for Fire Fighter Professional Qualifications for Firefighter I and Firefighter II.

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

1. A traditional classroom setting.
2. A combination of the traditional classroom and online course curriculum.

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

Funding: $750.00 in SD Firefighter Essentials Grant Program funding may be available to a grantee agency upon successful completion of the SD Certified Firefighter Course, The State Fire Marshal’s Office needs to be contacted and the Firefighter Essentials Grant Project Agreement completed before the start of a SD Certified Firefighter Course. For more information contact the State Fire Marshal’s Office.

Approved Curriculum:

IFSTA:
Essentials of Fire Fighting 7th edition (IFSTA).

Jones & Bartlett:

Classroom Led Courses:
Instructors should use the training materials and 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 $30.00 each. ATS Online access codes are valid for one year: from September 1 – August 31 of the following year. The SD Redbook contact is Adam Frick @ 1-605-760-4693 or sdredbook@gmail.com

Classes must be set up with the Deputy State Fire Marshal serving that area. A list of students attending along with their user name and e-mail shall also be emailed to Michael.Jones@state.sd.us. Mike will put a report plan together so weekly informational emails can be sent to the instructor with progress updates for the students in their class.

Note: ATS Online courses are designed to follow the NFPA 1001 standard and they can be used with either the IFSTA or Jones & Bartlett curriculum. Layout of the information is slightly different in each curriculum, so use the attached correlation guide below to match each online course with the proper curriculum chapter.

Please see last page to assist with aligning the corresponding Classes with the Certification Green Card.
Testing:

- **(Online Classes/combination traditional classroom)** Students must pass the Online Course Chapter testing to get certificate/credit for that specific class. The online testing/completion will be monitored directly by the State Fire Marshal’s office and the Class Proctor/ Lead Instructor.
- **Student must pass the Fire Fighter I and Fire Fighter II written tests with a 70% or better grade.** (Tests given by the State Fire Marshal’s Office)
- **Student must also pass the SD Certified Firefighter Practical Skill Test** (State Fire Marshal’s Office or Third-Party Evaluation)
- **For the student to be eligible to participate in any live fire training evolution (Per NFPA 1403), they must take and pass the Firefighter I training and written test.**

**Fire Fighter I**

The below listing shows the chapters to read, the classroom led instruction and/or the online class completion required to get the sections completed and signed off on the Certification Card.

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### Fire Service & History & Safety:

<table>
<thead>
<tr>
<th>IFSTA 7th - Chapter 1</th>
<th>Introduction to the Fire Service and Firefighter Safety</th>
</tr>
</thead>
<tbody>
<tr>
<td>J&amp;B 4th - Chapter 1, 2, 18 &amp; 20</td>
<td>The Fire Service, Firefighter Health and Safety, Firefighter Survival &amp; Firefighter Rehab</td>
</tr>
</tbody>
</table>

**ATS Online:**

| FF101 Firefighter Safety: Part 1, FF102 Firefighter Safety: Part 2 |

### Communications:

<table>
<thead>
<tr>
<th>IFSTA 7th - Chapter 2</th>
<th>Communications</th>
</tr>
</thead>
<tbody>
<tr>
<td>J&amp;B 4th - Chapter 4</td>
<td>Fire Service Communications</td>
</tr>
</tbody>
</table>

**ATS Online:**

| FF119 Fire Detection, Alarms & Communications |

### Building Construction:

<table>
<thead>
<tr>
<th>IFSTA 7th – Chapter 3</th>
<th>Building Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>J&amp;B 4th - Chapter 6</td>
<td>Building Construction</td>
</tr>
</tbody>
</table>

**ATS Online:**

| FF201 Building Construction |

### Personal Protective Equipment & SCBA:

<table>
<thead>
<tr>
<th>IFSTA 7th - Chapter 5</th>
<th>Firefighter Personal Protective Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>J&amp;B 4th - Chapter 3</td>
<td>Personal Protective Equipment</td>
</tr>
</tbody>
</table>

**ATS Online:**

| FF104 SCBA1: Introduction, FF105 SCBA 2: Use & Maintenance, FF106 Personal Protective Clothing |

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8-hour field practical and class discussion, students must be proficient in the skills they are performing.

### Fire Behavior/Dynamics:

<table>
<thead>
<tr>
<th>IFSTA 7th - Chapter 4</th>
<th>Fire Dynamics</th>
</tr>
</thead>
<tbody>
<tr>
<td>J&amp;B 4th - Chapter 5</td>
<td>Fire Behavior</td>
</tr>
</tbody>
</table>

**ATS Online:**

| FF103 Fire Behavior |
Extinguishers:
IFSTA 7th - Chapter 6
J&B 4th - Chapter 7
ATS Online: FF107 Portable Extinguishers

Ropes & Knots:
IFSTA 7th – Chapter 7
J&B 4th - Chapter 9
ATS Online: FF108 Ropes & Knots

Ground Ladders:
IFSTA 7th – Chapter 8
J&B 4th - Chapter 11
ATS Online: FF110 Ladders 1, FF111 Ladders 2

8-hour field practical and class discussion, students must be proficient in the skills they are performing.

Forcible Entry:
IFSTA 7th – Chapter 9
J&B 4th - Chapter 8 & 10
ATS Online: FF118 Forcible Entry

Structural Search & Rescue:
IFSTA 7th – Chapter 10
J&B 4th – Chapter 12
ATS Online: FF202 Rescue Operations

Ventilation:
IFSTA 7th - Chapter 11
J&B 4th - Chapter 13
ATS Online: FF112 Ventilation Basics & Horizontal Procedures,
FF113 Vertical Ventilation, FF203 Advanced Ventilation

Hose & Appliance:
IFSTA 7th – Chapter 12, 13 & 21 Fire Hose, Hose Operations and Hose Streams, Maintenance and Testing Responsibilities
ATS Online: FF114 Fire Hose Basics, FF115 Handling Hose, FF204 Water Supply
FF116 Advancing Hose lines, FF207 Fire Hose Appliances

Suppression & Ground Fires:
IFSTA 7th - Chapter 14
J&B 4th - Chapter 17 & 21 Fire Suppression, Wildland and Ground Cover Fires
ATS Online: FF109 Fire Control 1, FF205 Fire Control 2
8-hour field practical and class discussion, students must be proficient in the skills they are performing.

**Hazardous Materials Awareness:**

- **IFTA 7th – Chapter 24**: Analyzing the Incident
- **ATS Online**: HA001 - HAZMAT Recognition, HA002 HAZMAT Identification

**Hazardous Materials Operations:**

- **IFTA 7th - Chapters 25-26**: Action Options and Response Objectives; PPE, Product Control and Decontamination
- **ATS Online**: HR001 HAZMAT Containers Scene Safety, HR002 HAZMAT Response Sources & Terminology, HR003 HAZMAT Defensive Options & Objectives, HR004 HAZMAT Protection & Decontamination, HR005 HAZMAT Scene Control & Safety Measures, HR006 HAZMAT Defensive Actions HR007 Terrorism & WMD Awareness, CO001 Plugging & Patching Drums, CO002 Containing Leaks in Pressurized Cylinders, CO003 Diking, Diverting & Retaining Spills, CO004 Incidents Involving Fuel Tank Trucks.
- **DE001 Why Decontaminate, DE002 Decontamination Procedures, DE003 Handling Contaminated Victims, DE004 Mass Decontamination.**

**Incident Command System (with NIMS review)**

NIMS/ICS Online Classes (Online classes provided by FEMA) must be completed before the Fire Fighter I written test is taken.

Attendance will be signed off on the certification card by the lead instructor after the online training is completed and the certificates are handed in. Links to the classes provided below.

- IS 100: [http://training.fema.gov/EMIWeb/IS/is100b.asp](http://training.fema.gov/EMIWeb/IS/is100b.asp)
- IS 200: [http://training.fema.gov/EMIWeb/is/is200b.asp](http://training.fema.gov/EMIWeb/is/is200b.asp)
- IS 700: [http://training.fema.gov/EMIWeb/is/is700a.asp](http://training.fema.gov/EMIWeb/is/is700a.asp)

**Additional ICS training is included in the curriculum (Optional)**

- IFSTA 7th Chapter 19 & 27 Incident Scene Operations and National Incident Management System – Incident Command Structure
J&B 4th Chapter 22  Establishing and Transferring Command

ATS Online:  ICM003 National Incident Management System (NIMS) ICM004 Fire Service: Initial Command, ICM005 Fire Service: Expanding Command

Note: Additional Classroom time may be needed for Hazardous Material classes.
8-hour field practical and class discussion, students must be proficient in the skills they are performing.

**Fire Fighter I Written Test**, Green card performance competencies must be completed before a student has met the standards to test. See the last 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 Firefighter.

**Fire Fighter II**

**CPR-AED**
J&B 4th – (not included)  (First Aid & CPR are not included in this curriculum) Recommend having outside source (must meet BLS/Healthcare Provider level) provide this instruction or ATS online.

**First Aid, Infection, Bleeding & Shock Control**
IFSTA 7th – Chapter 23  First Aid Provider

ATS Online:  ID001 Blood borne Pathogens, ID002 Airborne Pathogens & Other Diseases, ID003 Infection Control Practices, ER002 Workforce Safety, ER003 Primary Patient Assessment, ER008 Bleeding, ER009 Shock, ER011 Resuscitation

**Advanced Fire Suppression:**
IFSTA 7th – Chapter 16 & 18  Foam Fire Fighting, Liquid Fires and Gas Fires
J&B 4th - Chapter 23  Advanced Fire Suppression
ATS Online:  FF117 Fire Streams,
FF206 Foam Fire Streams

8-hour field practical and class discussion, students must be proficient in the skills they are performing.

**Vehicle Extrication & Assisting Technical Rescue:**
IFSTA 7th – Chapter 17  Technical Rescue Support and Vehicle Extrication Operations.
J&B 4th - Chapter 24 & 25  Vehicle Rescue and Extrication, Assisting Special Rescue Teams

ATS Online:  VX001 Incident Overview, VX002 Stabilization, VX003 Hazard Control & Safety, VX004 Initial Procedures, VX005 Door and Sidewall Procedures, VX006, Roof and Truck Procedures, VX007 Interior Procedures, VX008
Community Risk Reduction & Building Safety Systems

IFSTA 7th – Chapter 22  Community Risk Reduction
ATS Online:  FF119 Fire Detection, Alarms & Communications,
 FF123 Sprinkler Systems EF209 Pre-Incident & fire Safety Surveys,
 FF210 Fire Prevention & Public Education

Fire Origin & Cause:

IFSTA 7th – Chapter 20  Fire Origin and Cause Determination
J&B 4th - Chapter 28  Fire Origin and Cause
ATS Online:  FF208 Fire Origin & Cause

8-hour field practical and class discussion, students must be proficient in the skills they are performing.

Fire Fighter II Written Test, Certification Green card must have completed class attendance for Fire Fighter II before a student has met the standards to test.

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 Firefighter.

To be able to take the SD Certified Firefighter Practical Skill Test, the SD Certified Firefighter Certification Card must be fully completed by having all the Firefighter I and Fire Fighter II class sections signed and dated; all performance competencies on the back of the card signed and dated; show that the Firefighter I and Firefighter II written tests were passed (initialed by FMO Staff); the student’s signature, lead instructor’s signature and the student departments Fire Chief’s signature on the back of the SD Certified Firefighter Certification Card.
Students that pass the Fire Fighter I and Fire Fighter II written test but are not able to perform any performance Competencies or Practical Skill Test, would not meet the level for Certified Firefighter certification, but would be eligible for the SD Fire Ground Support designation.

The State Fire Marshal’s office will use the Fire Fighter I, Fire Fighter II written tests and the SD Certified Firefighter Practical Skills evaluation to confirm those students’ training before allowing them certification.
Timeframe to Complete: The State Fire Marshal’s Office allows the students up to a 3-year timeframe in which to complete the SD Certified Firefighter course once they start taking classes. Note: SD Fire Departments may require a quicker timeline for completion of this course for the members under their control. Note: (ATS Online) Access codes are only good for just one year (September 1 to August 31) or they must keep it activated to complete the class.
The sections listed below are to be completed for each section before a student can qualify to take the corresponding SD Certified Firefighter written test. The performance competencies are listed on the back of the student's Certification Green card.

PERFORMANCE COMPETENCIES

Given a selection of portable extinguishers, demonstrate extinguishment of an actual incipient stage class A, B, or C fires

Given rope and a 24' ladder, raise and extend ladder and hoist a tool.

Using simulation, force entry through two type of doors, two types of windows and a wall or floor

Horizontally ventilate a building using positive and/or negative pressure ventilation

Connect a fire department pumper to a fire hydrant and operate the hydrant

Connect a fire department pumper to static water supply

Unload and carry hose up a stairway and/or ladder.

While wearing full PPE demonstrate proficiency in the operation of SCBA while conducting a search in a smoke-filled or visibility obscured structure. (Smoke machine or simulated IDLH)

Working as a member of a team, extricate a victim from a vehicle

As a member of a firefighting team, in full PPE and SCBA, participate in the control of a live fire.

& Chapter 16: Building Materials, Structural Collapse and Effects of Fire Suppression
# SOUTH DAKOTA CERTIFIED FIREFIGHTER COURSE
**NFPA 1001, 2019 Edition**

<table>
<thead>
<tr>
<th>STUDENT NAME</th>
<th>DRIVERS LICENSE NUMBER AND STATE ISSUED</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPLETE MAILING ADDRESS &amp; PHONE NUMBER</td>
<td>FIRE DEPARTMENT OR AGENCY</td>
</tr>
</tbody>
</table>

## FIREFIighter I

<table>
<thead>
<tr>
<th>Topic</th>
<th>DATE</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fire Service &amp; History &amp; Safety</strong></td>
<td></td>
<td><strong>DATE</strong> Incident Command System (with NIMS review)</td>
</tr>
<tr>
<td>IFSTA 7th Chap 1 Jones &amp; Bartlett 4th Chap 1,2,18,20 FF101, FF102</td>
<td></td>
<td>ICS 100, 200; NIMS 700 (must be completed prior to FF 1 test)</td>
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<td><strong>DATE</strong> IFS TA 7 Chap 19, 27 Jones &amp; Bartlett 4th Chap 22</td>
</tr>
<tr>
<td>IFSTA 7th Chap 2 Jones &amp; Bartlett 4th Chap 4</td>
<td></td>
<td>ICM003, ICM004, ICM005</td>
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<tr>
<td><strong>Building Construction</strong></td>
<td></td>
<td><strong>DATE</strong> IFS TA 7 Chap 16, 18 Jones &amp; Bartlett 4th Chap 23</td>
</tr>
<tr>
<td>IFSTA 7th Chap 3 Jones &amp; Bartlett 4th Chap 6</td>
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<td>FF108</td>
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<tr>
<td><strong>Personal Protective Equipment</strong></td>
<td></td>
<td><strong>DATE</strong> Vehicle Extrication &amp; Assisting Technical Rescue</td>
</tr>
<tr>
<td>IFSTA 7th Chap 5 Jones &amp; Bartlett 4th Chap 5</td>
<td></td>
<td>IFS TA 7 Chap 17 Jones &amp; Bartlett 4th Chap 24, 25</td>
</tr>
<tr>
<td><strong>Fire Behavior/Dynamics</strong></td>
<td></td>
<td>IFSTA 7th Chap 4 Jones &amp; Bartlett 4th Chap 28</td>
</tr>
<tr>
<td>IFSTA 7th Chap 4 Jones &amp; Bartlett 4th Chap 5</td>
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<td>FF103</td>
</tr>
<tr>
<td><strong>Extinguishers</strong></td>
<td></td>
<td><strong>DATE</strong> Community Risk Reduction &amp; Building Safety Systems</td>
</tr>
<tr>
<td>IFSTA 7th Chap 6 Jones &amp; Bartlett 4th Chap 7</td>
<td></td>
<td>IFS TA 7 Chap 22 Jones &amp; Bartlett 4th Chap 26-27</td>
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<tr>
<td><strong>Ropes &amp; Knots</strong></td>
<td></td>
<td>FF110, FF11</td>
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<td>IFSTA 7th Chap 7 Jones &amp; Bartlett 4th Chap 9</td>
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<td>FF108</td>
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<td><strong>Ground Ladder</strong></td>
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<td><strong>DATE</strong> CPR - AED</td>
</tr>
<tr>
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<td>Health Care Provider level.</td>
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<tr>
<td><strong>Forcible Entry</strong></td>
<td></td>
<td>IFS TA 7 Chap 9 Jones &amp; Bartlett 4th Chap 8, 10</td>
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<tr>
<td>IFSTA 7th Chap 9 Jones &amp; Bartlett 4th Chap 8,10</td>
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<td>FF118</td>
</tr>
<tr>
<td><strong>Structural Search &amp; Rescue</strong></td>
<td></td>
<td><strong>DATE</strong> First Aid</td>
</tr>
<tr>
<td>IFSTA 7th Chap 10 Jones &amp; Bartlett 4th Chap 12</td>
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<td>ID001, ID002, ID003, ER002, ER003, ER008, ER009</td>
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<td>IFSTA 7th Chap 11 Jones &amp; Bartlett 4th Chap 13</td>
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<td><strong>FIREFIGHTER I WRITTEN TEST RESULTS</strong></td>
</tr>
<tr>
<td><strong>Hose &amp; Appliances</strong></td>
<td></td>
<td>TEST DATE ______________ PASS / FAIL</td>
</tr>
<tr>
<td>IFSTA 7th Chap 12, 13, 21 Jones &amp; Bartlett 4th Chap 14, 15, 16 FF104, FF105</td>
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<tr>
<td><strong>Suppression &amp; Ground Fire</strong></td>
<td></td>
<td><strong>FIREFIGHTER 2 WRITTEN TEST RESULTS</strong></td>
</tr>
<tr>
<td>IFSTA 7th Chap 14 Jones &amp; Bartlett 4th Chap 17,21 FF109, FF205</td>
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<td>TEST DATE ______________ PASS / FAIL</td>
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<tr>
<td><strong>Salvage &amp; Overhaul</strong></td>
<td></td>
<td>RE-TEST DATE ______________ PASS / FAIL</td>
</tr>
<tr>
<td>IFSTA 7th Chap 15 Jones &amp; Bartlett 4th Chap 19</td>
<td></td>
<td>PRACTICAL SKILLS EXAM DATE: ____________</td>
</tr>
<tr>
<td><strong>Hazardous Materials Awareness/Operations</strong></td>
<td></td>
<td><strong>FULL CERTIFICATION or FIRE GROUND SUPPORT</strong></td>
</tr>
<tr>
<td>IFSTA 7th Chap 24, 25-26 Jones &amp; Bartlett 4th Chap 29-30, 31-37 HA001, HA002, HR001, HR002, HR003, HR004, HR005, HR006 HR007, CO001, CO002, CO003, CO004, DE001, DE002, DE003, DE004</td>
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