



# S-212: Wildland Fire Chainsaws (2012) Course Plan

## Course Details

<b>Description:</b>	This is an instructor-led course intended to be presented at the local level. The course lessons provide introduction to the function, maintenance and use of internal combustion engine powered chainsaws, and their tactical wildland fire application. Field exercises support entry level training for firefighters with little or no previous experience in operating a chainsaw, providing hands-on cutting experience in surroundings similar to fireline situations.
<b>Designed For:</b>	Individuals desiring to be qualified as Basic Faller (FAL3), completed SFT Firefighter 2 training, Incident Commander Type 5 (ICT5), or Felling Boss, Single Resource (FELB).
<b>Authority:</b>	National Wildfire Coordinating Group (NWCG)
<b>Prerequisites:</b>	Completed SFT Firefighter 1 training. Satisfactory completion of pre-course work.
<b>Standard:</b>	N/A
<b>Hours:</b>	24-36 hours
<b>Maximum Class Size:</b>	40 (24 Recommended by NWCG)
<b>Instructor Level:</b>	Primary instructor
<b>Instructor/Student Ratio:</b>	1 primary instructor per 10 students (NWCG Recommends 1:6)
<b>Restrictions:</b>	Limited to Instructor-Led Delivery only.
<b>SFT Designation:</b>	FSTEP

## **Required Resources**

### **Online Instructor Resources**

The following instructor resources are required and are available online at

<https://www.nwcg.gov/publications/training-courses/s-212>

- Instructor-led delivery course materials
- Instructor Guide
- Student Workbook

### **Student Resources**

To participate in this course, students need:

- Pre-Course Work Assignment
- Student Workbook

### **Facilities, Equipment, and Personnel**

The following facilities, equipment, or personnel are required to deliver this course:

#### **Facilities**

- Standard classroom equipped for 24 students
- Whiteboards or easel pads with appropriate writing implements
- Projector/TV with appropriate laptop connections
- Wifi/Internet access

**Time Table**

Segment			Unit Total
Unit 0: Introduction			1.0
Unit 1: Safety Requirements			2.0
Unit 2: Chainsaw Parts, Maintenance, and Operation			4.0
Unit 3: Fireline Construction and Mop Up			1.5
Unit 4A: Chainsaw Tasks and Techniques			2
Unit 4B: Chainsaw Tasks and Techniques			4.5
Unit 4C: Chainsaw Tasks and Technique			3.0
Unit 4D: Chainsaw Tasks and Techniques			5.5
Field Time			8
Close Out			1.0
<b>Course Totals</b>			<b>24-36</b>

**Time Table Key**

1. The Time Table documents the amount of time required to deliver the content included in the course plan.
2. Time is documented using the quarter system: 15 min. = .25 / 30 min. = .50 / 45 min. = .75 / 60 min. = 1.0.
3. The Course Totals do not reflect time for lunch (1 hour) or breaks (10 minutes per each 50 minutes of instruction or assessment). It is the instructor's responsibility to add this time based on the course delivery schedule.
4. Application (activities, skills exercises, and formative testing) time will vary depending on the number of students enrolled and the acquired structure selected for training. The Application time documented is based on the maximum class size identified in the Course Details section.
5. Summative Assessments are determined and scheduled by the authority having jurisdiction. These are not the written or psychomotor State Fire Training certification exams. These are in-class assessments to evaluate student progress and calculate course grades.

## Objectives

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1. Define and apply chainsaw safety standards as required by OSHA and agency handbooks, manuals, directives, and owner's manuals.
2. Identify and demonstrate basic chainsaw operation, troubleshooting, maintenance, and safety features.
3. Demonstrate the tactical application of chainsaws in fireline construction and mop up operations.