

# INTERMEDIATE WILDLAND FIRE BEHAVIOR

## S-290 – ONLINE COURSE

January 26, 2023

This Intermediate Fire Behavior Course S-290 is hosted by Incident Management Specialist LLC this is an opportunity to learn how to use fire behavior knowledge to safely suppress wildfires and manage prescribed fires.

This course is National Wildfire Coordinating Group (NWCG) certified. The online course work can be completed in approximately fifteen hours (current average), but may vary depending on level of student knowledge.

This S-290 course is the second course in a five-course sequence developing wildland fire behavior prediction knowledge and skills. It builds upon the basics in S-190, Introduction to Wildland Fire Behavior, but with more detailed information about characteristics and interactions of the wildland fire environment (fuels, weather, and topography) that affect wildland fire behavior for safety purposes.

The online portion of this course consists of a pre-course test and twelve online modules with a test in which each student must successfully complete.

Because of the current Covid 19 environment the delivery of this course will be done online rather than having the students be required to come together in a formal classroom setting.

After the student has completed the online portion of the course, they will need to complete additional course materials sent to them electronically instead of attending a formal classroom session to discuss fuels, weather and topography and complete an exercise for a specific site in Wisconsin. After the student has successfully completed all of the online modules and the other additional online materials, they will receive a certificate.

### **The Objectives for this course are:**

- Identify and describe the characteristics of fuels, weather, and topography that influence wildland fire behavior.
- Describe the interaction of fuels, weather, and topography on wildland fire behavior, fireline tactics, and safety.
- Describe the causes of extreme wildland fire behavior (long-range spotting, crowning, and fire whirls) developing due to fuels, weather, and/or topography.
- Interpret, apply, and document wildland fire behavior and weather information.

### **The adjusted delivery for this course:**

The normal schedule for this class is for the first three hours in the morning in a classroom setting covering local fuel weather and fire behavior and watching several fire behavior indicator videos.

To cover what was normally covered in the morning of this course the students will be asked to view some online materials covering local fuel, weather and fire behavior and then complete a test on what they have viewed to cover this first session.

Then each student will view a video of James Wood who is the fire weather forecaster in Sullivan, WI. his presentation on the Fire Weather Services that the National Weather Service provides to our state. Each of the students will be asked to view this and complete a test on the presentation.

The last part of this course each student will develop a ten-minute video showing them giving a briefing that they would give to crew members on predicting a prescribed fire direction of spread based on given fire weather conditions given for a site. This briefing will include a map, fire weather, ignition sequence, go no go list. Then the student will present their briefing to another person (student or coworker) and arrange to have their presentation videotaped and then sent to Ken Terrill for viewing.

By making these adjustments to the course the students will not need to be physically in the classroom to complete this course and receive a certificate.

### **Target Group:**

Personnel desiring to be qualified as any single resource boss or fire effects monitor (FEMO). Upon successful completion of this course, students will earn a NWCG certificate which may be necessary to work on wildfires or to participate in prescribed fires sponsored by some agencies.

### **Course Prerequisites:**

The student must complete Introduction to Wildland Fire Behavior (S-190) prior to attending this course. A copy of this certificate must be provided by the student before receiving their S-290 certificate.

### **Completing Pre-course work:**

The pre-course work is designed to ensure that students come to class with a basic understanding of the fire environment in order to learn Intermediate Fire Behavior concepts. The pre-course work is divided into seven parts that correspond to questions on the pre-qualifying test. You will need to complete the pre-qualifying test using the information that will be provided online. You must receive a passing score of 70% or higher to be considered for admittance to the course.

### **Registration:**

You must register for this course by January 20, 2023, to be eligible to participate in this course and receive a certificate for this course.

**Instructor:** This course will be taught by Incident Management Specialist LLC, instructor Ken Terrill from Sun Prairie, WI, who is certified by the National Wildfire Suppression Association (NWSA) to deliver this course and is approved by the National Wildfire Coordinating Group (NWCG), which is the national organization that has developed the training and qualification standards for wildfire and prescribe fire professionals. Ken has over 35 years of experience in working wildfire and prescribed fire for the State of Wisconsin, South Dakota and nationally.

For more information on the company Incident Management Specialist LLC and Ken Terrill and to register for this class please go to this company website for more information.

Web Page: <https://incidentmanagementspecialist.com>

**What is needed to complete this online class:** Each student will need to send by email to Ken Terrill a copy of their Introduction to Fire Behavior S-190 certificate and a copy of the completed assigned online materials, which includes the pre-course test and the twelve-course module.

**To registering for this course:** Complete the course registration form below and write a check for \$ 310.00 (preferably a cashiers or certified check) to Incident Management Specialist LLC and mail it by September January 20, 2023 to the address below:

Incident Management Specialist LLC  
Attention: Ken Terrill  
3011 Scotland Parkway  
Sun Prairie, WI. 53590

Email: [ken.terrill3011@gmail.com](mailto:ken.terrill3011@gmail.com)  
Phone: Cell 608-358-0453

Registration can also be done online by going to the website [https://www.incidentmanagementspecialist.com/](https://www.incidentmanagementspecialist.com) Go to the registration tab and complete the student registration form and send by email to [ken.terrill3011@gmail.com](mailto:ken.terrill3011@gmail.com)

Registration fee for these courses is: \$310 per student if paid by check and \$340 if paid by credit card online using the PayPal tab. If you want to save the cost to pay by credit card on line, send an email with the registration form attached and a note that you have placed a check for \$310.00 in the regular mail.

The registration fee includes the following:

- Students will be provided the internet access link to access the course materials online. If needed, two training CD's (cost of shipping included in fee) will be provided if needed by the student because they could not access the internet link. These CD's work only on computers with Windows Operating Systems. **The CD's will not work** on Apple computers so the student will need to make arrangements to complete the course modules on a computer that has a Windows Operating System.
- A "how to" to complete the pre-course work.
- Instructions on how to access the course and the online reference materials.
- Unlimited scheduled time with course administrator Ken Terrill by phone or email, arranged while the student is working through the online portion of the course. Email [ken.terrill3011@gmail.com](mailto:ken.terrill3011@gmail.com) or phone 608-358-0453 (cell).
- Course materials issued on the classroom day includes a Fireline Workbook, FLAME Supplement, and a Fuel Model Handbook
- Registration in the national qualifications database established by the National Wildland Fire Suppression Association (this fee of \$ 50.00 is included the cost for this course) which maintains a national list of the people that have successfully completed this NWCG course.

- If a student has registered for the class and then cancels after January 20, 2023 a \$50 cancellation fee will be charged to the student and the remaining registration fee will be returned to the student.

**Complete the student registration form on the page below to register for this course.**

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January 26, 2023

Date completed \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_

Email address \_\_\_\_\_

Fax \_\_\_\_\_

Home Phone \_\_\_\_\_

Cell Phone \_\_\_\_\_

Work Phone \_\_\_\_\_