



2009 NFA Course

National Fire Academy
Direct Delivery
Offered In Minnesota
January 24 and 25, 2009



Fire Behavior in a Single-Family Residence

Do you often wonder if you have made the right strategy or tactical decisions when it comes to a single family residence fire? Do you wish that you had a better understanding of the science of fire behavior? If you have thought about these questions then you need to come to St Cloud Technical College on January 24 and 25th 2009 and attend the National Fire Academy course, Fire Behavior in a Single-Family Residence.

Attention firefighters and fire commanders, this class is NOT a fire operations strategy or tactics course, but explains the science and engineering of fire behavior and it will increase awareness of fire behavior in single-family residences. Students will gain comprehensive and pragmatic knowledge of fire behavior, and subsequently develop effective firefighting strategies, the ability to improve firefighter safety, and reduce risks associated with fighting fires in single-family structures.

Course Name Fire Behavior in a Single-Family Residence

Course Code F366

Delivery Type Off-Campus (Direct Delivery)

Course Length 2.0 day(s)

Course Description

This 2-day course uses results from laboratory controlled test fires of commonly found items in simulated single-family occupancies to provide students with pragmatic cognitive and analytical skills from understanding fire behavior. Through scientific and engineering studies, observation and analysis of videotaped test fires and burn data, participants will learn the value, application, and limitations of fire testing and test methods, instruments and equipment. The course presents scenarios and case studies to enable students to assess and devise fire protection strategies, based on their ability to apply data from test fires.

Participants will learn the burn characteristics of individual items commonly found in single-family residences, as well as individual rooms--based on specific variables, such as fire detection and fire protection equipment (smoke detectors, CO detectors, sprinklers), and room size and layout (ceiling height, windows). Analysis and discussion of test results will enable participants to evaluate and interpret those results, and develop safe, effective fire protection strategies.

This course is not a fire operations strategy or tactics course, but explains the science and engineering of fire behavior.

Selection Criteria

Career and volunteer firefighters and fire officers; fire marshals, inspectors, and building inspectors; plans examiners, code officials, architects, engineers and allied professionals. ACE Recommendation ACE has not reviewed this course.

Registration - <http://www.CTECtraining.com>

St Cloud Technical College

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Map to Fire Programs Office [campus](#)

Note: Fire/EMS building is in the lower left corner this map.