

FREE TO ATTEND
MARCH 7, 2017
8AM-5PM



**ALTERNATIVE
FUEL VEHICLES**
SAFETY TRAINING PROGRAM

Lunch and Breaks provided by Iowa Chapter IAAI and Grinnell Mutual Reinsurance Company

NFPA's Alternative Fuel Vehicles Safety Training Course
Fire Investigation Edition - Curriculum Overview- Train the Trainer

NFPA's Alternative Fuel Vehicles Safety Training informs fire investigators about the potential risks associated with investigating incidents involving all alternative fuel vehicles on our roadways, including electric, hybrid, hydrogen fuel cell, and gaseous fuels such as CNG (Compressed Natural Gas), LNG (Liquefied Natural Gas), LPG (Liquid Propane Gas), and their recharging/refueling stations. This comprehensive instructor-led train-the-trainer course is comprised of videos, animations, slides, activities, and field evolutions involving AFVs. The curriculum covers:



Module I – Introduction to AFVs

- Program Overview
- Types of AFVs
- Hazards

Module II – Fuel Types

- High Voltage Electrical Power
- Gaseous Fuel Properties
 - CNG & LNG
 - LPG
 - Hydrogen
- Biodiesel & Ethanol

Module III – Hybrid & Electric Vehicles

- Vehicle Identification
- Design Features
- Vehicle Types
- P/HEV and EV Components & Systems

Module IV – Gaseous Fuel Vehicles

- Vehicle Identification
- Gaseous vs. Conventional Vehicles
- Vehicle Systems
 - CNG Vehicles
 - LNG Vehicles
 - LPG Vehicles

Module V – Hydrogen Fuel Cell Vehicles

- Vehicle Identification
- Fuel Cell Technology
- Hydrogen Storage
- Fuel Distribution
- Safety Systems

Module VI – Vehicle Immobilization & Disabling

- Immobilization
- Disabling Procedures
 - Hybrid & Electric Vehicles
 - Gaseous Fuel Vehicles
 - Fuel Cell Vehicles

Module VII – AFV Fire Investigations

- AFV Considerations
- Fire Investigations
- HEV/EV Considerations
 - Charging Station Considerations
- Gaseous Fuel Considerations
- Hydrogen Fuel Considerations
- Bio-Diesel & Ethanol Considerations
- Vehicle Removal

Module VIII – Program Review

Register at: <https://www.firearson.com/Training-Certifications/Local-Classes-Events/AFVIA17.aspx>

FREE

Host Location:
Grinnell Mutual Reinsurance Company
4215 Highway 146, Grinnell, Iowa 50112

Registration Deadline:
February 28, 2017

