



Kansas Fire Marshal Class September 25-29 Salina Kansas

Tactical Chemistry for Emergency Responders (40 hour)

This is not your average chemistry class! We cover the chemistry of hazardous materials with live demonstrations, hands-on activities, and lots of chemical identification exercises using a variety of air monitoring and sample identification equipment including pH paper, oxidizer paper, halogen detectors, multi-gas instruments, PIDs, Raman and FTIR spectrometers. Students will get hands-on experience with over three dozen different chemicals during the week.

The class covers:

Risk Based Response

Air Monitoring

Sample Identification

Chemical & Physical Properties

The Periodic Table

Salts & Non-Salts

Hydrocarbons

Hydrocarbon Derivatives

Instructors:

Richard Dufek retired from the Carmel Fire Department in Indiana as a Battalion Chief/HazMat Team Coordinator after 33 ½ years of service. He has been an instructor for the National Fire Academy for the last 20 years teaching the Chemistry for Emergency Responders and Hazardous Materials Operating Site Practices classes. He is a trainer for Smiths Detection, and trains on their chemical identifiers. Rick can be reached at: firebat@att.net.

Chris Weber served on the Washtenaw County (Michigan) HazMat Team for over a decade in such positions as Hazmat Technician, Training Officer, and Deputy Director, is currently a SME with the Longmont (Colorado) Hazmat Team, and has been a firefighter for over 20 years. He has extensive experience involving hazardous materials chemistry including a Ph.D. in biological chemistry from the University of Michigan, Ann Arbor. Author of ***Hazardous Materials Technician*** by Pearson/Brady. Chris' email: cweber@drhazmat.com.

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