

Offering in October 2024: Chemical Hazard Analysis Risk-Based Response



U.S. Fire
Administration

National Fire Academy

SC Fire Academy partners with the National Fire Academy to offer a *two-week* lecture-based course designed to prepare responders with the knowledge and skills needed to analyze hazardous materials/weapons of mass destruction (WMD) incidents. Students will use the risk-based response (RBR) process that utilizes facts, science and circumstances. Primarily focused on the product involved, this analysis will also incorporate information concerning the container, environment and cause.

Through an interactive, student-centered approach, students will conduct a product hazard analysis and create communication strategies by:

- Conducting an initial product hazard analysis for multiple products using limited information.
- Using the periodic table to identify the general hazards associated with a material for developing an initial product hazard analysis.
- Conducting briefings based on their hazard analysis for hazardous materials/WMD incidents.
- Analyzing the characteristics of molecular size, polarity and shape and how these affect the physical and chemical properties of a material.
- Conducting a product hazard analysis to support an RBR process in a hazard situation.

Class Dates: Monday, Oct. 7 - Friday, Oct. 11, 2024 and Monday, Oct. 14 – Friday, Oct. 18, 2024

Class Time: 8:30 a.m. - 5 p.m.

Location: SC State Fire, Classroom 102
141 Monticello Trail, Columbia, S.C. 29203

Fee: \$80, includes lunch daily

Accommodations: Dorm rooms are available on a first come, first served basis for an additional fee. Rooms are single-occupancy \$50/night or double-occupancy \$25/night, billed to sponsoring agency. If requesting a room, please indicate the choice during the registration process.

Registration: 7158-25001 <https://fire.llr.sc.gov/Portal/Registration/registration.aspx?crsidnt=82564>.

Registration Deadline: Friday, Aug. 23, 2024

Questions? Contact [Mike Dunlap](#)