

NDPC

NATIONAL DOMESTIC
PREPAREDNESS CONSORTIUM



Preparing the Nation through Training

COURSE CATALOG

November 15, 2019



FEMA



Table of Contents

Center for Domestic Preparedness 1-1

CORE COMPETENCY: Advanced hands-on training for preparedness, protection, and response to all-hazards and mass casualty incidents

Energetic Materials Research and Testing Center at New Mexico Tech. 2-1

CORE COMPETENCY: Explosive and incendiary attacks

Louisiana State University National Center for Biomedical Research and Training/Academy of Counter-Terrorist Education 3-1

CORE COMPETENCY: Law enforcement; response to biological incidents; food and agriculture safety and security; and school and campus safety

National Emergency Response and Recovery Training Center Texas A&M Engineering Extension Service (TEEX) 4-1

CORE COMPETENCY: Incident management, health and medical, public works, hazmat, infrastructure protection, threat and risk assessment, cybersecurity, executive programs, crisis communications, search and rescue, planning; training gap analysis

NNSA/CTOS-Center for Radiological/Nuclear Training 5-1

CORE COMPETENCY: Prevention, deterrence and response to radiological/nuclear attacks

National Disaster Preparedness Training Center 6-1

CORE COMPETENCY: Natural hazard risks to coastal region, island and urban communities; natural disaster preparedness, response and recovery planning; leveraging technology for disaster management applications

Security and Emergency Response Training Center . . . 7-1

CORE COMPETENCY: Hazardous materials and flammable liquids response to surface transportation, emergency preparedness and response

Course Number Index A-1

Course Title Index B-1

National Domestic Preparedness Consortium (NDPC)

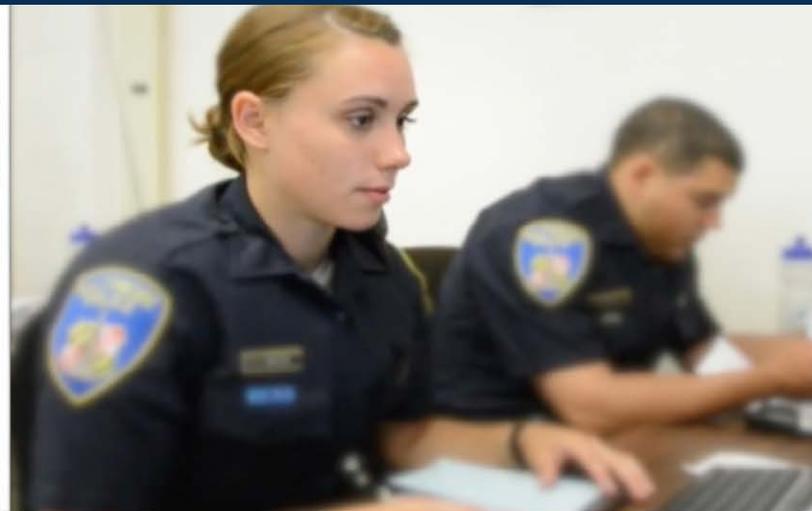
The NDPC is a major DHS/FEMA training partner providing high-quality training to emergency responders throughout the United States and its territories under FEMA's Homeland Security National Training Program. Preparedness is a shared, national responsibility requiring our active participation to prepare America to address its threats and to establish and maintain a culture of preparedness.

The NDPC is comprised of seven members possessing core competencies that span the entire homeland security enterprise domain. The NDPC's mission is to prepare the Nation and to reduce vulnerability to incidents involving weapons of mass destruction, terrorism, and all-hazard, high-consequence events.



FEMA

firstrespondertraining.gov



Center for Domestic Preparedness



FEMA

The CDP is a vital training component of the Department of Homeland Security, Federal Emergency Management Agency's National Preparedness Directorate. The CDP develops and delivers training for emergency response providers from State, Local, Tribal, and Territorial (SLTT) and, when appropriate, the federal government, foreign governments, and private sector entities. The CDP offers over 40 training courses at its resident campus in Anniston, Alabama. Training at the CDP campus is federally funded at no cost to state, local, tribal, and territorial emergency response professionals from the following disciplines: Agriculture, Education, Emergency Management, Emergency Medical Services, Fire Service, Governmental Administrative, Hazardous Materials, Healthcare, Information Technology, Law Enforcement, Public Health, Public Safety Communications, Public Works, Search and Rescue, Security and Safety, Transportation and Citizen/Community Volunteer. In addition to resident training, the CDP has a robust mobile training capability that can provide critical advanced hands-on training in local jurisdictions across the country.

cdp.dhs.gov 866.213.9553

| COURSE NUMBER | CENTER FOR DOMESTIC PREPAREDNESS COURSE NAME | HRS | CEU | PG |
|----------------------|---|------------|------------|-----------|
| AWR-160 | Standardized Awareness Training (SAT) | 8.0 | 0.8 | 1-3 |
| AWR-160-1 | Standardized Awareness Authorized Training, Train-the-Trainer (SAAT) | 8.0 | 0.8 | 1-3 |
| AWR-317 | REP Core Concepts Course (RCCC) | 10.0 | 1.0 | 1-3 |
| AWR-318 | REP Disaster Initiated Review (RDIR) | 5.0 | 0.5 | 1-3 |
| AWR-333 | Improvised Explosive Device Construction and Classification (IED-CC) | 1.0 | 0 | 1-4 |
| AWR-334 | Introduction to Terrorist Attack Cycle (ITAC) | 1.5 | 0 | 1-4 |
| AWR-335 | Response to Suspicious Behaviors (RSBI) | 1.0 | 0 | 1-4 |
| AWR-336 | Health Sector Emergency Preparedness (HSEP) | 8.0 | 0 | 1-4 |
| AWR-337 | IED Explosive Effects Mitigation (IED-EEM) | 1.0 | 0 | 1-4 |
| AWR-338 | Homemade Explosive and Precursor Awareness (HME-P) | 1.0 | 0 | 1-4 |
| AWR-340 | Protective Measures Awareness (PMA) | 1.0 | 0 | 1-5 |
| AWR-348 | Bombing Preparedness Awareness Course (BPAC) | 8.0 | 0.8 | 1-5 |
| AWR-348-1 | Bombing Preparedness Awareness Course Train-the-Trainer (BPAC TtT) | 13.0 | 1.3 | 1-5 |
| AWR-358 | Hazardous Materials Awareness (HMA) | 8.0 | 0.8 | 1-5 |
| AWR-358-W | Hazardous Materials Awareness-Distance Learning (HMA-W) | 8.0 | 0.8 | 1-5 |
| AWR-358-R-W | Hazardous Materials Awareness-Refresher Distance Learning (HMA-R-W) | 4.0 | 0.4 | 1-5 |
| AWR-900 | Framework for Healthcare Emergency Management (FRAME) | 32.0 | 3.2 | 1-6 |
| AWR-901-1 | Hospital Emergency Response Training – Basic Train-the-Trainer (HERT-B TtT) | 8.0 | 0.8 | 1-6 |
| AWR-901-2 | Hospital Emergency Response Training – Basic (HERT-B) | 8.0 | 0.8 | 1-6 |
| AWR-922-W | Environmental Health Training in Emergency Response: Awareness (EHTER-A) | 8.0 | 0.8 | 1-6 |
| MGT-300-C | Field Force Command: Executive Course (FFCE) | 8.0 | 0.8 | 1-6 |
| MGT-360 | Incident Command: Capabilities, Planning and Response Actions for All Hazards (IC) | 24.0 | 2.4 | 1-6 |
| MGT-445 | REP Plan Review Course (RPPR) | 24.0 | 2.4 | 1-7 |
| MGT-450 | Bomb-Making Awareness Program Community Liaison (BMAP-CL) | 16.0 | 1.6 | 1-7 |
| MGT-450-1 | Bomb-Making Awareness Program Administrator Trainer (BMAP-AT) | 16.0 | 1.6 | 1-7 |
| MGT-451 | Bomb Threat Management (BTM) | 16.0 | 1.6 | 1-7 |
| MGT-454 | Healthcare Coalition Response Leadership (HCRL) | 24.0 | 2.4 | 1-7 |
| MGT-901 | Healthcare Leadership for Mass Casualty Incidents (HCL) | 32.0 | 3.2 | 1-7 |
| MGT-902 | Managing Public Information for All Hazard Incidents (MPI) | 32.0 | 3.2 | 1-7 |
| MGT-908 | Disaster Related Exposure Assessment and Monitoring (DREAM) | 32.0 | 3.2 | 1-8 |
| PER-200 | Field Force Operations (FFO) | 24.0 | 2.4 | 1-8 |
| PER-200-C | Field Force Operations Refresher (FFO-R) | 8.0 | 0.8 | 1-8 |
| PER-201 | Evidence Collection in a Hazardous Materials Environment (HEC) | 32.0 | 3.2 | 1-8 |
| PER-202 | Field Force Extrication Tactics (FFE) | 24.0 | 2.4 | 1-8 |
| PER-202-R | Field Force Extrication Tactics – Refresher (FFE-R) | 8.0 | 0.8 | 1-8 |
| PER-261 | Hazardous Materials Technologies: Sampling, Monitoring, and Detection (HT) | 40.0 | 4.0 | 1-8 |
| PER-262 | Hands-On Training for CBRNE Incidents (HOT) | 16.0 | 1.6 | 1-9 |
| PER-263 | Respiratory Protection: Program Development and Administration (RP) | 24.0 | 2.4 | 1-9 |
| PER-264 | Law Enforcement Protective Measures for CBRNE Incidents (LEPM) | 8.0 | 0.8 | 1-9 |
| PER-264-1 | Law Enforcement Protective Measures for CBRNE Incidents, Train-the-Trainer (LEPM TtT) | 8.0 | 0.8 | 1-9 |
| PER-265 | Law Enforcement Response Actions for CBRNE Incidents (LERA) | 8.0 | 0.8 | 1-9 |
| PER-266 | Instructor Training Course (ITC) | 40.0 | 4.0 | 1-9 |
| PER-267 | Emergency Medical Operations for CBRNE Incidents (EMO) | 32.0 | 3.2 | 1-10 |
| PER-268 | Incident Complexities – Responder Actions for CBRNE Incidents (ICR) | 8.0 | 0.8 | 1-10 |
| PER-271 | Emergency Medical Response Awareness for CBRNE Incidents (EMRA) | 8.0 | 0.8 | 1-10 |
| PER-272 | Hazardous Materials Technician (HMT) | 40.0 | 4.0 | 1-10 |

| COURSE NUMBER | CENTER FOR DOMESTIC PREPAREDNESS COURSE NAME | HRS | CEU | PG |
|---------------|---|----------|---------|------|
| PER-309 | Environmental Health Training in Emergency Response Operations (EHTER OPS) | 32.0 | 3.2 | 1-10 |
| PER-310 | Strategic National Stockpile Preparedness Course (SNS) | 34.0 | 3.4 | 1-10 |
| PER-313 | Intermediate Hands-On Training for CBRNE Incidents: Law Enforcement (HOT-LE) | 8.0 | 0.8 | 1-11 |
| PER-314 | Radiological Emergency Preparedness Exercise Evaluator Course (REEC) | 28.0 | 2.8 | 1-11 |
| PER-316 | REP Accident Assessment Course (RAAC) | 40.0 | 4.0 | 1-11 |
| PER-321 | Barrier Precautions and Controls for Highly Infectious Disease (HID) | 32 | 3.2 | 1-11 |
| PER-322 | Hazardous Materials Operations (HMO) | 40.0 | 4.0 | 1-11 |
| PER-324 | Healthcare Emergency Response Operations for CBRNE Incidents (HERO) | 8.0 | 0.8 | 1-12 |
| PER-336 | Protective Measures Course (PMC) | 7.0 | 0.7 | 1-12 |
| PER-336-1 | Protective Measures Course Train-the-Trainer (PMC TtT) | 8.0 | 0.8 | 1-12 |
| PER-338 | Hazardous Materials Basic Responder for Mass Causality Incidents (HMBR) | 16.0 | 1.6 | 1-12 |
| PER-900 | Intermediate Hands-on Training for CBRNE Incidents (HOT-I) | 8.0 | 0.8 | 1-12 |
| PER-901 | Threat Hazard Recognition and Emergency Actions Training for CBRNE Incidents (THREAT) | 8.0-16.0 | 0.8-1.6 | 1-12 |
| PER-902 | Hospital Emergency Response Training for Mass Casualty Incidents (HERT) | 24.0 | 2.4 | 1-13 |
| PER-904 | Radiological Emergency Response Operations (RERO) | 40.0 | 4.0 | 1-13 |
| PER-905 | Advanced Radiological Incident Operations (ARIO) | 40.0 | 4.0 | 1-13 |
| PER-907 | Initial Law Enforcement Response to Suicide Bomb Attacks (ILERSBA) | 8.0 | 0.8 | 1-13 |
| PER-908-1 | Radiological Series Train-the-Trainer (TtT) | 32.0 | 3.2 | 1-13 |

AWR-160 Standardized Awareness Training (SAT)

HOURS 8.0 CEU 0.8 The course provides instruction in the individual actions for preventing and deterring terrorism and the identification of chemical and biological hazards or agents, radiological and nuclear hazards, and explosive devices and hazards.

AWR-160-1 Standardized Awareness Authorized Training, Train-the-Trainer (SAAT)

HOURS 8.0 CEU 0.8 The course provides the student with the knowledge and validation of skill required to successfully plan, coordinate, conduct, and administer the AWR-160 Standardized Awareness Training (SAT) course. The course reviews SAT learning objectives, instructional strategies, subject matter, and key teaching points for each module and activity. The course requires the successful completion of a performance examination to validate the trainer candidate's skill in presenting an instructional module. The course also reviews key CDP instructional policies and introduces handouts outlining additional policies and administrative procedures.

AWR-317 REP Core Concepts Course (RCCC)

HOURS 10.0 CEU 1.0 This course focuses on the nuclear power plant off-site radiological emergency preparedness program. It addresses the REP Program history and sentinel events, federal regulatory policies, basic radiation principles, REP planning guidance (planning standards), REP demonstration guidance (exercise evaluation areas), and the REP Disaster Initiated Review (DIR) process. At the successful completion of this course, the student will have satisfied the instructor-led training prerequisites for the MGT-445 REP Plan Review (RPPR) Course and PER-314 REP Exercise Evaluator Course (REEC).

AWR-318 REP Disaster Initiated Review (RDIR)

HOURS 5.0 CEU 0.5 This course provides emergency managers from Offsite Response Organizations (OROs) within the 10 or 50-mile Emergency Planning Zones (EPZs) of a NRC-licensed commercial nuclear power plant, with the fundamental knowledge of the Preliminary Capabilities Assessment (PCA) or, if warranted, the Disaster Initiated Review (DIR) process, as referenced in the FEMA Radiological Emergency Preparedness (REP) Program Disaster Initiated Review (DIR) Standard Operating Guide (SOG), Post-Disaster Assessment of Off-site Capabilities Checklists, and the Nuclear Regulatory Commission (NRC) Inspection Manual (IM) Chapter 1601.

AWR-333 Improvised Explosive Device Construction and Classification (IED-CC)

HOURS 1.0 CEU 0.0 The Improvised Explosive Device (IED) Construction and Classification Virtual Instructor-Led Training (VILT) serves as a prerequisite VILT for the instructor-led IED Search Procedures and Bomb-Making Materials Awareness Program (BMAP) courses. It is also intended to share general homemade explosive (HME) and precursor awareness information to a broad audience; therefore, this course provides learners foundational knowledge on the construction and classification of IEDs.

AWR-334 Introduction to Terrorist Attack Cycle (ITAC)

HOURS 1.5 CEU 0.0 This VILT course introduces a conceptual model of common steps in planning and executing terrorist attacks. By learning how terrorists operate, learners will be better able to counter potential attacks using improvised explosive devices (IEDs) by being able to identify the signs of a possible attack and responding appropriately and effectively. This course enhances learners' awareness and capability to prevent, protect against, respond to, and mitigate attacks that use IEDs against people, critical infrastructure, and other soft targets.

AWR-335 Response to Suspicious Behaviors (RSBI)

HOURS 1.0 CEU 0.0 This course serves as an overview of appropriate responses to suspicious behaviors and items. Therefore, the knowledge provided is general and foundational and is meant to increase awareness of the indicators of suspicious behavior and the basic responses if suspicious behaviors and/or items are suspected. Learners will describe the appropriate responses to recognized potential terrorist or criminal activity by differentiating between normal and abnormal behaviors and unattended and suspicious items. This course introduces the learner to the difference between normal and suspicious behaviors, physical characteristics that are not easily changeable and those that are, and the difference between unattended and suspicious items. The course then provides strategies and resources for responding to and reporting suspicious activities.

AWR-336 Health Sector Emergency Preparedness (HSEP)

HOURS 8.0 CEU 0.0 The course provides the knowledge required to prepare the seventeen healthcare providers and suppliers identified by the Center for Medicare and Medicaid Services (CMS) to achieve emergency preparedness and planning requirements. The course provides instruction and best practice tools and resources for performing a threat and hazard risk assessment, developing emergency operations plans, creating and sustaining associated policies and procedures, developing a communication plan for stakeholders, and training, testing, and exercising these plans, policies, and procedures to ensure readiness in the event of an emergency or disaster.

AWR-337 IED Explosive Effects Mitigation (IED-EEM)

HOURS 1.0 CEU 0.0 This VILT course introduces learners to the effects of an explosive blast. The course will detail the difference between blast, thermal/incendiary, and fragmentation effects and describe the destructive consequences of each type of effect on the target. For purposes of this course, targets can be both living and non-living (e.g., infrastructure, equipment, etc.). Finally, the course will touch upon security measures and best practices that can help prevent or mitigate explosive effects; although, this content is covered in much more depth in the Protective Measures Awareness VILT and the Protective Measures course.

AWR-338 Homemade Explosive and Precursor Awareness (HME-P)

HOURS 1.0 CEU 0.0 The Homemade Explosive (HME) and Precursor Awareness VILT serves as a prerequisite VILT for the instructor-led IED Search Procedures course and Bomb-Making Materials Awareness Program (BMAP) course. It is also intended to share general HME and precursor awareness information to a broad audience. This course provides learners foundational knowledge on HMEs and the common precursor materials that are used to create them.

AWR-340 Protective Measures Awareness (PMA)

HOURS 1.0 CEU 0.0 The Protective Measures Awareness VILT serves as an overview for the instructor-led Protective Measures course. Therefore, this course provides learners foundational knowledge on risks, risk management, and the three rings of security: physical protective measures, procedural/technical protective measures, and intelligence protective measures. Additionally, this VILT course serves as a marketing tool for the two-day instructor-led Protective Measures course, helping learners to determine if the course interests them and applies to their learning needs.

AWR-348 Bombing Prevention Awareness Course (BPAC)

HOURS 8.0 CEU 0.8 The Bombing Prevention Awareness course (BPAC) provides emergency responders with an overview of bombing prevention measures. During the one-day course, responders learn to understand basic concepts of general bombing prevention.

AWR-348-1 Bombing Prevention Awareness Course Train-the-Trainer (BPAC TtT)

HOURS 13.0 CEU 1.3 The Bombing Prevention Awareness Course Train-the-Trainer (BPAC TtT) provides emergency responders with an overview of bombing prevention measures. During the one-day course, responders learn to understand basic concepts of general bombing prevention. This course is designed for trainers qualified to instruct by their agency, jurisdiction, or organization who are interested in or required to plan, coordinate, conduct, and administer Center for Domestic Preparedness (CDP), Office of Bombing Prevention (OBP) awareness courses.

AWR-358 Hazardous Materials Awareness (HMA)

HOURS 8.0 CEU 0.8 The course provides attendees from all backgrounds with knowledge and practical experience in essential, awareness-level hazardous materials competencies as defined by *NFPA 472: Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents* and *NFPA 1072: Standards for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*. The Hazardous Materials Awareness course provides students with training to proficiency in identifying hazardous materials; utilizing the U.S. Department of Transportation's 2016 Emergency Response Guidebook to identify hazardous materials risks and protective actions, utilizing hazard communication documents to identify hazardous materials risks and protective actions, and determining awareness-level personal and public protective actions.

AWR-358-W Hazardous Materials Awareness-Distance Learning (HMA-W)

HOURS 8.0 CEU 0.8 The course provides attendees from all backgrounds with knowledge and practical experience in essential, awareness-level hazardous materials competencies as defined by *NFPA 472: Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents* and *NFPA 1072: Standards for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*. The Hazardous Materials Awareness course provides students with training to proficiency in identifying hazardous materials; utilizing the U.S. Department of Transportation's 2016 Emergency Response Guidebook to identify hazardous materials risks and protective actions, utilizing hazard communication documents to identify hazardous materials risks and protective actions, and determining awareness-level personal and public protective actions.

AWR-358-R-W Hazardous Materials Awareness-Refresher Distance Learning (HMA-R-W)

HOURS 4.0 CEU 0.4 The course provides successful graduates of a Hazardous Materials Awareness course with a refresher in the knowledge and practical experience in essential, awareness-level hazardous materials competencies as defined by *NFPA 472: Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents* and *NFPA 1072: Standards for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*. The Hazardous Materials Awareness – Refresher course reviews the identification of hazardous materials; utilization of the U.S. Department of Transportation's 2016 Emergency Response Guidebook to identify hazardous materials risks and protective actions, utilization of hazard communication documents to identify hazardous materials risks and protective actions, and determination of awareness-level personal and public protective actions.

AWR-900 Framework for Healthcare Emergency Management (FRAME)

HOURS 32.0 CEU 3.2 The course provides the knowledge and skill required to develop, implement, maintain, and administer an emergency management program and associated plans for a healthcare facility. The course provides an overview of relevant standards, regulations, and organizations; considerations for integrating with relevant agencies and stakeholders; a review of the Incident Command System; knowledge and practical skill in the conduct of a threat and hazard analysis; process and procedures for the development of emergency operations and associated plans, policies, and procedures; healthcare facility surge operations requirements and considerations; training and exercise requirements to ensure preparedness; and healthcare facility recovery following a disaster or emergency.

AWR-901-1 Hospital Emergency Response Training – Basic Train-the-Trainer (HERT-B TtT)

HOURS 8.0 CEU 0.8 This course provides knowledge and validation of skill required to successfully plan, coordinate, conduct, and administer the AWR-901-2 Hospital Emergency Response Training - Basic (HERT-B) course. The course reviews HERT-B learning objectives, instructional strategies, subject matter, and key teaching points for each module and activity. The course requires the successful completion of a performance examination to validate the trainer candidate's skill in presenting an instructional module. The course also reviews key CDP's instructional policies and introduces handouts outlining additional policies and information for using CDP instructional materials.

AWR-901-2 Hospital Emergency Response Training – Basic (HERT-B)

HOURS 8.0 CEU 0.8 This course provides healthcare facility personnel with knowledge in the performance of decontamination operations for mass trauma patients exposed to a chemical, biological, radiological, and nuclear hazard. The course reviews healthcare facility patient decontamination operation requirements, set up and operation of a healthcare facility patient decontamination capability, requirements for operating in personal protective equipment, and the procedures for patient triage and lifesaving interventions.

AWR-922-W Environmental Health Training in Emergency Response: Awareness (EHTER-A)

HOURS 8.0 CEU 0.8 The course provides environmental health responders with knowledge required to address environmental health issues brought about by a disaster or emergency. These issues include potable water, food safety, wastewater management, building assessment, vector control and management, solid waste management, and the safety and monitoring of mass care facilities.

MGT-300-C Field Force Command: Executive Course (FFCE)

HOURS 8.0 CEU 0.8 Field Force Command: Executive is an 8-hour course that prepares the management level responder to serve as a member of an incident management team during a civil action or disorder. The course provides instruction on incident management, incorporating planning considerations and other responsibilities of management-level responders during such an event. The course also provides responders with the ability to develop a local incident action plan for a civil action or disorder and implement response actions from the management level.

MGT-360 Incident Command: Capabilities, Planning and Response Actions for All Hazards (IC)

HOURS 24.0 CEU 2.4 The course prepares participants to serve as a member of an incident management team. The course provides participants with the ability to evaluate the threat to the jurisdiction, identify and prioritize probable targets, measure required capabilities, and execute the incident response planning and incident action planning processes. The course culminates with participants engaging in a real-time, scenario-driven tabletop exercise to plan for and manage emergency response resources.

MGT-445 REP Plan Review Course (RPPR)

HOURS 24.0 CEU 2.4 This course focuses on assisting Offsite Response Organizations (OROs) to assess the adequacy of their REP plans and procedures using the NUREG 0654/FEMA-REP-1 Planning Standards and Evaluation Criterion. These standards address public health and safety, potentially affected by a radiological incident at a Nuclear Regulatory Commission (NRC)-licensed commercial nuclear power plant. The course includes emergency planning development based on the Comprehensive Preparedness Guide (CPG) -101, familiarization of Hostile-Action Based (HAB) plan review, annual plan review process, and the Annual Letter of Certification (ALC) Review Guide process.

MGT-450 Bomb-Making Awareness Program Community Liaison (BMAP-CL)

HOURS 16.0 CEU 1.6 This course presents the knowledge and components necessary for BMAP Outreach Officers to develop and sustain a BMAP within their communities. This includes informing manufacturers, distributors, wholesalers, and point-of-sale retailers on the importance of being aware of suspicious behaviors and purchases. The course culminates in an experiential learning activity where learners develop a BMAP outreach plan for an assigned target audience and present that plan to peers for review and objective feedback.

MGT-450-1 Bomb-Making Awareness Program Administrator Trainer (BMAP-AT)

HOURS 16.0 CEU 1.6 The purpose of this BMAP Administrator's Training course is to provide supervisors, trainers, and other select representatives with the information and skills required to instruct the Bomb Making Materials Awareness Program (BMAP) Outreach Officer's course.

MGT-451 Bomb Threat Management (BTM)

HOURS 16.0 CEU 1.6 The Bomb Threat Management (BTM) Planning course introduces students to the Department of Homeland Security (DHS) risk-management process and the Development of the BTM plan. The one-day course includes activities that allow responders to apply specific portions of the risk-management process and their newly acquired knowledge about bomb-threat management procedures to critique mock BTM plans. The course culminates in an experiential learning activity in which learners revise a BTM plan using the findings of the individual module learning activities and the knowledge gained throughout the course

MGT-454 Healthcare Coalition Response Leadership (HCRL)

HOURS 24.0 CEU 2.4 The course provides instruction and facilitated discussion for best practices and lessons learned in establishing an effective health care coalition framework; conducting health care coalition planning and achieving preparedness; development of indicators, triggers, and tactics for proactive health care coalition action; and approaches, techniques, and considerations for health care coalition response and recovery leadership. Additionally, the course provides extensive practical experience in health care coalition leadership team response through a series of progressive exercises designed to emulate realistic community and regional public health and medical emergencies.

MGT-901 Healthcare Leadership for Mass Casualty Incidents (HCL)

HOURS 32.0 CEU 3.2 The course prepares healthcare facility leaders to execute the functions of incident command to plan, prepare for, respond to, and recover from disasters and emergencies requiring a surge of healthcare facility operations.

MGT-902 Managing Public Information for All Hazard Incidents (MPI)

HOURS 32.0 CEU 3.2 The course prepares personnel who are assigned or may be designated to perform public information duties during a community response to a disaster or emergency. The course addresses public information requirements for disasters and emergencies, interpersonal skills for public information officers, emergency communication methods, design and development of public messaging, media relations and press conferences, risk communication, and strategic communications and planning. The course culminates in a public information exercise run from a simulated joint information center.

MGT-908 Disaster Related Exposure Assessment and Monitoring (DREAM)

HOURS 32.0 CEU 3.2 This course is a four-day (32 hours) training course designed to provide knowledge and experience in assessing, monitoring, and tracking health effects to emergency responders and community members before, during, and after an emergency or disaster. This includes exposures to chemical, biological, radiological, nuclear and explosive (CBRNE) and all other hazards. The course provides a training experience on disaster epidemiologic tools that combines Emergency Responder Health Monitoring and Surveillance (ERHMS)TM, Assessment of Chemical Exposure (ACE), and Epi CASE (Case Assessment Symptom and Exposure) tools developed by the U.S. Agency for Toxic Substances and Disease Registry (ATSDR), and the Centers for Disease Control and Prevention's (CDC) National Institute for Occupational Safety and Health (NIOSH), with additional training on disaster response and a capstone exercise.

PER-200 Field Force Operations (FFO)

HOURS 24.0 CEU 2.4 The course provides knowledge and skills required to maintain public order and manage crowds for planned and unplanned gatherings and events. The course provides instruction in protest types and actions, legal considerations, responsibilities of public order and crowd management teams, crowd management formations and techniques, and arrest team procedures. The course culminates in a series of hands-on activities designed to practice all learned skills in realistic public order and crowd management situations.

PER-200-C Field Force Operations Refresher (FFO-R)

HOURS 8.0 CEU 0.8 This course supports state and local law enforcement agencies' efforts to reinforce the knowledge and skills their officers received during initial field force operations training, which will help maintain their readiness to successfully mitigate civil action or disorder incidents.

PER-201 Evidence Collection in a Hazardous Materials Environment (HEC)

HOURS 32.0 CEU 3.2 The course provides instruction in hazardous materials evidence preservation and sampling, field screening, evaluation of physical evidence, responsibilities of evidence collection teams, and methods for evidence documentation and packaging. The course includes a series of hands-on activities that allow responders to practice all learned skills in a realistic context, to include a culminating exercise in a toxic agent environment.

PER-202 Field Force Extrication Tactics (FFE)

HOURS 24.0 CEU 2.4 The course provides instruction and practical experience in the defeat of commonly used protester devices. The course provides instruction in understanding common protester devices and situations, legal considerations for protester device defeat, responsibilities of extrication team members, and extrication techniques required to defeat many common protester devices. The course culminates in a series of hands-on activities that allow responders to practice defeating common protester devices as a member of an extrication team in realistic situations.

PER-202-R Field Force Extrication Tactics – Refresher (FFE-R)

HOURS 8.0 CEU 0.8 The course provides refresher training for students that have previously completed the full Field Force Extrication Tactics course. The training reviews instruction in understanding common protester devices and situations, legal considerations for protester device defeat, responsibilities of extrication team members, and extrication techniques required to defeat many common protester devices. The course culminates in a series of hands-on activities that allow responders to refresh their skills in defeating common protester devices as a member of an extrication team.

PER-261 Hazardous Materials Technologies: Sampling, Monitoring, and Detection (HT)

HOURS 40.0 CEU 4.0 The course provides technician-level hazardous materials response personnel with the knowledge, skills, and abilities required to effectively operate sampling and monitoring equipment in hazardous materials environments. Students receive instruction in hazardous materials detection and monitoring technologies and perform advanced, practical application in the identification of hazardous materials using a variety of sampling and monitoring equipment and techniques while wearing PPE appropriate to the associated scenario.

PER-262 Hands-On Training for CBRNE Incidents (HOT)

HOURS 16.0 CEU 1.6 The course provides response personnel with the knowledge and skill required to support mass casualty incident operations for a chemical, biological, radiological, or nuclear (CBRN) incident. The course addresses scene survey and safety procedures, provides a survey of CBRN detection technologies, donning and doffing of personal protective equipment, triage and basic rescue of mass exposure victims, and the procedures for performing patient decontamination.

PER-263 Respiratory Protection: Program Development and Administration (RP)

HOURS 24.0 CEU 2.4 The course provides the knowledge and skill required to administer a respiratory protection program for a department or jurisdiction. The course provides instruction on Occupational Safety and Health Administration respiratory protection regulations; qualitative and quantitative fit testing procedures; inspection, maintenance, storage, and use of respirators; air quality standards and requirements; requirements for atmosphere-supplying respirators; and administrative requirements for the design, development, and sustainment of a respiratory protection program consistent with all laws, regulations, and best practices associated with respiratory protection.

PER-264 Law Enforcement Protective Measures for CBRNE Incidents (LEPM)

HOURS 8.0 CEU 0.8 The course provides law enforcement officers with the knowledge and skills required to safely perform law enforcement roles during an active threat situation involving hazardous materials. The course provides instruction in responding to an incident involving hazardous materials; employing weapons, retaining weapons, and apprehending suspects while wearing personal protective equipment; preserving hazardous evidence; collaborating with hazardous materials personnel to monitor and detect hazard levels and maintain safety; and moving and communicating tactically wearing PPE to apprehend an active human threat in a hazardous materials environment.

PER-264-1 Law Enforcement Protective Measures for CBRNE Incidents, Train-the-Trainer (LEPM TtT)

HOURS 8.0 CEU 0.8 This course provides knowledge and validation of skill required to successfully plan, coordinate, conduct, and administer the PER-264 Law Enforcement Protective Measures for CBRNE Incidents (LEPM) course. The course reviews LEPM learning objectives, instructional strategies, subject matter, and key teaching points for each module and activity. The course requires the successful completion of a performance examination to validate the trainer candidate's skill in presenting an instructional module. The course also reviews key CDP instructional policies and introduces handouts outlining additional policies and information for using CDP instructional materials.

PER-265 Law Enforcement Response Actions for CBRNE Incidents (LERA)

HOURS 8.0 CEU 0.8 The course provides law enforcement personnel an opportunity to receive advanced instruction and to apply the knowledge and skills learned through PER-264, Law Enforcement Protective Measures for CBRNE Incidents, in realistic incident response scenarios involving an active human threat in a hazardous materials/weapon of mass destruction environment. Students receive practical experience in establishing initial command for a hazardous materials/weapon of mass destruction incident and identification of hazardous materials and weapons of mass destruction to include emplaced threats and illicit laboratories. The course culminates with groups of officers responding to and apprehending an active human threat in a set of complex coordinated attack scenarios.

PER-266 Instructor Training Course (ITC)

HOURS 40.0 CEU 4.0 The course provides responders who have relevant subject matter expertise in a practical topic(s) with the knowledge, skills, and abilities necessary to train the topic to an audience of various sizes. The course addresses adult learning concepts and principles, development of an instructional strategy using available resources, development of basic instructional products to guide and enhance learning, performance of a training risk assessment, and practical skill in the delivery of instruction and the management of learners and the learning environment.

PER-267 Emergency Medical Operations for CBRNE Incidents (EMO)

HOURS 32.0 CEU 3.2 The course prepares responders to effectively respond to a chemical, biological, radiological, nuclear, or explosive (CBRNE) mass casualty incident by establishing an emergency treatment area, performing triage and treating prehospital CBRNE exposure patients, and coordinating and managing patient transportation to appropriate healthcare facilities.

PER-268 Incident Complexities – Responder Actions for CBRNE Incidents (ICR)

HOURS 8.0 CEU 0.8 The course provides entry-level response personnel with the knowledge and skill required to support mass casualty incident operations for a chemical, biological, radiological, or nuclear (CBRN) incident. The course addresses scene survey and safety procedures, an introduction to CBRN detection technologies, donning and doffing of personal protective equipment, basic rescue of CBRN exposure victims, and the procedures for performing patient decontamination.

PER-271 Emergency Medical Response Awareness for CBRNE Incidents (EMRA)

HOURS 8.0 CEU 0.8 The course provides knowledge and practical experience in the triage and treatment of chemical, biological, radiological, nuclear, or explosive (CBRNE) mass casualty victims. Students receive a review of the CBRNE threat and associated symptoms; on-site and hospital triage and treatment of victims; and perform scenario-based triaging decision games to provide experience in the critical thinking abilities required to quickly triage and treat CBRNE mass casualty victims.

PER-272 Hazardous Materials Technician (HMT)

HOURS 40.0 CEU 4.0 The course provides instruction and hands-on experience in the knowledge and skill required of a technician-level hazardous materials responder as defined by *NFPA 472: Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents* and *NFPA 1072: Standards for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*. The course includes knowledge and skill in planning a response to a hazardous materials incident, identification of hazardous materials and associated response requirements; identification of hazardous materials properties; identification of the behavior of hazardous material containers; knowledge and hands-on experience in determining requirements for and donning, operating in, and doffing personal protective equipment; determining requirements for and leading emergency, self, mass and technical decontamination for responders and victims; monitoring, detecting, and sampling hazardous materials; and the performance of offensive product control techniques to include various means for controlling leaks in hazardous materials containers.

PER-309 Environmental Health Training in Emergency Response Operations (EHTER OPS)

HOURS 32.0 CEU 3.2 The course provides practical experience in the knowledge and skills required to respond to community environmental health issues during a disaster or emergency. The course addresses assessment, recommendations, countermeasures, and interventions for drinking water safety; safe wastewater containment and disposal; health and safety of mass feeding facilities and operations; health and safety of mass shelter operations; and re-occupancy of facilities during and/or following a disaster or emergency.

PER-310 Strategic National Stockpile Preparedness Course (SNS)

HOURS 34.0 CEU 3.4 The Strategic National Stockpile Preparedness Course (SNS) is a five-day course Designed to give Federal, State, and Local officials information on how to best plan and prepare for a public health emergency and how to use and manage the Strategic National Stockpile in response to a terrorist attack, natural disaster, or technological accident.

PER-313 Intermediate Hands-On Training for CBRNE Incidents: Law Enforcement (HOT-LE)

HOURS 8.0 CEU 0.8 The course provides law enforcement personnel an opportunity to apply the knowledge and skills learned in PER-264 Law Enforcement Protective Measures for CBRNE Incidents in practice and in realistic incident response scenarios. An incident response exercise is performed to allow law enforcement officers to practice task organization; to don personal protective equipment; to determine and secure a perimeter; to enter and search for suspects, hazards, casualties, and evidence; to apprehend suspects; to preserve evidence; and to process out of the incident through technical decontamination. A second exercise is conducted in a live, toxic agent environment and allows responders to develop confidence in their personal protective equipment while functioning as a law enforcement team supported by a hazardous materials expert to clear a building, to identify and manage hazards, to preserve hazardous evidence, and to apprehend an active human threat in a contaminated environment.

PER-314 Radiological Emergency Preparedness Exercise Evaluator Course (REEC)

HOURS 28.0 CEU 2.8 As a first step to becoming a fully qualified REP exercise evaluator, this course introduces the exercise evaluator responsibilities prior to and during a REP exercise. Through a combination of presentation and experiential learning activities, participants review the technical and regulatory foundation of REP exercises, the exercise evaluation process, and learn how exercise evaluators prepare for, observe, and evaluate exercise conduct. The course includes four skill practice activities in which learners may apply their newly acquired exercise evaluation knowledge and start building key evaluator skills, including reviewing jurisdiction plans and procedures, observing exercise conduct and participants, documenting observations and assessing exercise performance in relationship to plans and procedures, and developing evaluation narratives and recommendations for improvement and corrective actions.

PER-316 REP Accident Assessment Course (RAAC)

HOURS 40.0 CEU 4.0 This course addresses the consequences of incidents involving radioactive materials, with emphasis placed on incidents at commercial nuclear power plants. The course focuses on the technical concepts involved in formulating protective action recommendations, including atmospheric dispersion models, dose projection methods, use of protective action guides, analysis of field team data, and calculation of derived intervention levels. Participants engage in problem-solving sessions and a tabletop exercise.

PER-321 Barrier Precautions and Controls for Highly Infectious Disease (HID)

HOURS 32.0 CEU 3.2 The course provides best practice knowledge and skills for triaging, transporting, transferring, treating, and managing a person with a highly infectious disease. Students participate in a guided discussion of best practices for managing and treating persons with a highly infectious disease, from identification or presentation through conclusion and final outcome of treatment. Students conduct a series of patient management and treatment exercises to include patient self-presentation or ambulance transport/transfer, treatment in a healthcare facility emergency department and/or isolation ward, and transfer or discharge from a healthcare facility to include the handling of infectious human remains.

PER-322 Hazardous Materials Operations (HMO)

HOURS 40.0 CEU 4.0 The course provides instruction and hands-on experience in the knowledge and skills required of an operations-level hazardous materials responder as defined by *NFPA 472: Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents* and *NFPA 1072: Standards for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications*. The course includes knowledge and skill in the identification of hazardous material and the associated response requirements; identification of hazardous materials properties; identification of the behavior of hazardous material containers; knowledge and hands-on experience in the donning, operating in, and doffing of personal protective equipment; conduct of emergency, mass, and technical decontamination; and performance of defensive product control techniques to include absorption, adsorption, damming (static, overflow, underflow), diking, diversion, retention, dilution, vapor dispersion, vapor suppression (rain down and roll on), and remote valve shutoff.

PER-324 Healthcare Emergency Response Operations for CBRNE Incidents (HERO)

HOURS 8.0 CEU 0.8 The course provides instruction in the means for providing care to CBRNE mass casualty victims; knowledge and practical experience in the safe donning, operating in, and doffing of PPE; basic knowledge of the procedures for decontaminating CBRNE victims and responders; and practical experience in the execution of triage and treatment protocols for mass casualty victims of a CBRNE incident.

PER-336 Protective Measures Course (PMC)

HOURS 7.0 CEU 0.7 The Protective Measures Course is a one-day course that provides an overview of identifying risk and the development of appropriate protective measures for different facility characteristics. The course provides activities that allow students to apply a modified vulnerability assessment to identify risks and determine appropriate protective measures for a given environmental venue.

PER-336-1 Protective Measures Course Train-the-Trainer (PMC TtT)

HOURS 8.0 CEU 0.8 The Protective Measures Course is a one-day course that provides an overview of identifying risk and the development of appropriate protective measures for different facility characteristics. The course provides activities that allow students to apply a modified vulnerability assessment to identify risks and determine appropriate protective measures for a given environmental venue. This course provides the student with the knowledge and initial coaching required to successfully plan, coordinate, conduct and administer the PMC course. The course reviews instructional policies and instructional expectations for CDP/OBP courses; provides instruction on the construct and utilization of instructional materials; reviews key exercises, as appropriate; and concludes with a summary and after-action review to ensure all student questions are addressed and that participant learning requirements are met.

PER-338 Hazardous Materials Basic Responder for Mass Casualty Incidents (HMBR)

HOURS 16.0 CEU 1.6 The course provides instruction and practical experience in the skills required to safely support mass casualty incident operations during a hazardous materials mass casualty incident. Course content includes knowledge and practical experience in the donning, operating in, and doffing of personal protective equipment; the conduct of emergency and tiered patient decontamination; the performance of patient triage and lifesaving interventions; and techniques for patient movement and basic rescue. The course culminates in the conduct of a simulated mass casualty incident operation requiring the performance of all learned tasks in a toxic agent environment.

PER-900 Intermediate Hands-on Training for CBRNE Incidents (HOT-I)

HOURS 8.0 CEU 0.8 The course provides scenario-based practical application in scene survey and safety, an introduction to chemical, biological, radiological, or nuclear (CBRN) detection technologies, the donning and doffing of personal protective equipment, and performance of victim triage, basic rescue, and decontamination procedures.

PER-901 Threat Hazard Recognition and Emergency Actions Training for CBRNE Incidents (THREAT)

HOURS 8.0-16.0 CEU 0.8-1.6 This course provides law enforcement officers with reinforcement of the instruction in the courses PER-264, Law Enforcement Protective Measures (LEPM) and PER-265, Law Enforcement Response Actions. Additionally, this course may enable jurisdictions with a means to provide the annual training, equipment check, and air-purifying respirator (APR) fit testing to meet OSHA Hazardous Waste Operations and Emergency Response (HAZWOPER; 29 Code of Federal Regulations [C.F.R.] § 1910.120, 2012) First Responder Operations Level requirements. The course offers a variety of training modules, which allow the host agency to design a course that meets its training needs. Jurisdictions partner with the CDP to select a combination of instructional modules and training lanes to create an 8-, 12-, or 16-hour course of instruction that meets their needs, along with the HAZWOPER requirements. Jurisdictions determine the training location to conduct the instruction, using their trainers and facilities.

PER-902 Hospital Emergency Response Training for Mass Casualty Incidents (HERT)

HOURS 24.0 CEU 2.4 This course provides healthcare facility personnel with the knowledge and skills required to perform decontamination operations for mass trauma patients exposed to a chemical, biological, radiological, and nuclear hazard. The course addresses healthcare facility patient decontamination operation requirements, set up and operation of a healthcare facility patient decontamination capability, operating in required personal protective equipment, and the performance of patient triage and lifesaving interventions.

PER-904 Radiological Emergency Response Operations (RERO)

HOURS 40.0 CEU 4.0 The course provides the knowledge and skill required to serve as a member of radiological/nuclear field monitoring team. The course addresses radiological concepts, radiological response team operations, instrumentation, nuclear power plant operations and hazards, surveying and monitoring of radiation, personal protective equipment and decontamination, reception center operations, and radiological transportation hazards. The course culminates with a team and final exercise integrating the emergency response operations skills and training learned during the course.

PER-905 Advanced Radiological Incident Operations (ARIO)

HOURS 40.0 CEU 4.0 This course provides advanced skills necessary to safely lead radiation field monitoring teams and advise incident command during a nuclear incident. The course addresses advanced radiological emergency response operations, including identification of terrorism threats, responding to a commercial nuclear power facility incident, developing an incident action plan for a nuclear incident, selecting and operating radiological detection instruments, and leading radiation field monitoring teams.

PER-907 Initial Law Enforcement Response to Suicide Bomb Attacks (ILERSBA)

HOURS 8.0 CEU 0.8 Initial Law Enforcement Response to Suicide Bombing Attacks was developed with support and cooperation from New Mexico Tech and the DHS National Bomb Squad Commanders Advisory Board to provide front-line law enforcement officers with the skills and knowledge to effectively interdict and respond to an imminent suicide bombing attack (person-borne or vehicle-borne) or a non-suicide attack involving a vehicle-borne device.

PER-908-1 Radiological Series Train-the-Trainer (TtT)

HOURS 32.0 CEU 3.2 The course provides the knowledge and practical experience needed to plan, administer, teach, conduct, and evaluate FEMA's radiological training series courses which includes: G320 - Fundamentals Course for Radiological Response, the associated independent study courses in the series, G346 - Hospital Emergency Department Management of Hazardous Materials, and the U.S. Department of Energy Modular Emergency Response Radiological Transportation Training. The course is designed to strengthen the capacity of trainers by applying principles of adult learning and a variety of training methodologies and facilitation skills, in addition to practice training sessions.



Energetic Materials Research and Testing Center at New Mexico Tech



The Energetic Materials Research and Testing Center (EMRTC) at New Mexico Tech (NMT) is the consortium's lead partner for detection, prevention, response, and recovery for incidents involving explosives and energetic materials.

Founded in 1889 as the New Mexico School of Mines, NMT has evolved into a research-oriented public university specializing in science and engineering. The institution has earned a worldwide reputation for the quality of its research and academic programs. As a result, NMT has consistently garnered high ratings from several sources, such as US News and World Report and the Princeton Review. NMT conducts applied research in explosive technology, explosive materials engineering, information security, and modeling and simulation for numerous U.S. Government agencies, including the Departments of Defense, Justice, State, Transportation, and Energy. The campus of NMT is located 70 miles south of Albuquerque, NM. EMRTC's additional training site, Playas Training and Research Center, is located in the southwestern corner of New Mexico.

emrtc.nmt.edu 575.835.5703

| COURSE NUMBER | ENERGETIC MATERIALS RESEARCH AND TESTING CENTER COURSE NAME | HRS | CEU | PG |
|---------------|--|------|-----|-----|
| AWR-132 | Understanding and Planning for School Bomb Incidents, Mobile | 4.0 | 0.4 | 2-2 |
| AWR-132-W | Understanding and Planning for School Bomb Incidents, Web-Based | 4.0 | 0.4 | 2-2 |
| AWR-230 | Incident Response to Terrorist Bombings, Mobile | 4.0 | 0.4 | 2-2 |
| AWR-230-C | Incident Response to Terrorist Bombings, Customized | 1.5 | 0 | 2-2 |
| AWR-231 | Prevention of and Response to Suicide Bombing Incidents, Mobile | 4.0 | 0.4 | 2-2 |
| AWR-231-C | Prevention of and Response to Suicide Bombing Incidents, Customized | 1.5 | 0 | 2-3 |
| AWR-235 | Initial Law Enforcement Response to Suicide Bombing Attacks, Mobile | 8.0 | 0.8 | 2-3 |
| AWR-235-C | Initial Law Enforcement Response to Suicide Bombing Attacks, Customized | 1.5 | 0 | 2-3 |
| AWR-313 | Homemade Explosives: Awareness, Recognition, and Response, Mobile | 8.0 | 0.8 | 2-3 |
| PER-230 | Incident Response to Terrorist Bombings, Residential | 27.0 | 2.7 | 2-3 |
| PER-230-1 | Incident Response to Terrorist Bombings, Train-the-Trainer | 27.0 | 2.7 | 2-3 |
| PER-231 | Prevention of and Response to Suicide Bombing Incidents, Residential | 34.0 | 3.4 | 2-4 |
| PER-231-1 | Prevention of and Response to Suicide Bombing Incidents, Train-the-Trainer | 34.0 | 3.4 | 2-4 |
| PER-233 | Medical Preparedness and Response for Bombing Incidents, Mobile | 16.0 | 1.6 | 2-4 |

AWR-132 Understanding and Planning for School Bomb Incidents, Mobile

HOURS 4.0 CEU 0.4 The Understanding and Planning for School Bomb Incidents, Mobile course is designed to provide emergency first responders and school staff with the skills to plan and respond to school bomb threats and bombing incidents through lectures and exercises. Participants are presented with information necessary to recognize a threat and determine pre- and post-detonation threat response strategies, and to develop actionable items specific to an individual school's needs.

AWR-132-W Understanding and Planning for School Bomb Incidents, Web-Based

HOURS 4.0 CEU 0.4 The Understanding and Planning for School Bomb Incidents, Web-Based course is designed to provide emergency first responders and school staff with the skills to plan and respond to school bomb threats and bombing incidents. Participants are presented with information necessary to recognize a threat and determine pre- and post-detonation threat response strategies, and to develop actionable items specific to an individual school's needs.

AWR-230 Incident Response to Terrorist Bombings, Mobile

HOURS 4.0 CEU 0.4 This awareness level delivery of the IRTB course provides first responders with the skills and tools they need to safely and effectively respond to terrorist incidents involving explosives and improvised explosive devices (IEDs). This course is delivered by New Mexico Tech instructors in communities across the United States.

AWR-230-C Incident Response to Terrorist Bombings, Customized

HOURS 1.5 CEU 0 This awareness level conference delivery of the IRTB course provides first responders with an overview of the skills and tools they need to safely and effectively respond to terrorist incidents involving explosives and improvised explosive devices (IEDs). This course is delivered by New Mexico Tech instructors in communities across the United States.

AWR-231 Prevention of and Response to Suicide Bombing Incidents, Mobile

HOURS 4.0 CEU 0.4 This awareness level delivery of the PRSBI course provides first responders with the knowledge and skills necessary to prevent, interdict, and/or respond to a suicide bombing incident. This course is delivered by New Mexico Tech instructors in communities across the United States.

AWR-231-C Prevention of and Response to Suicide Bombing Incidents, Customized

HOURS 1.5 CEU 0 This awareness level conference delivery of the PRSBI course provides first responders with an overview of the knowledge and skills necessary to prevent, interdict, and/or respond to a suicide bombing incident. This course is delivered by New Mexico Tech instructors in communities across the United States.

AWR-235 Initial Law Enforcement Response to Suicide Bombing Attacks, Mobile

HOURS 8.0 CEU 0.8 The ILERSBA course presents information on suicide bomber recognition and appropriate response categories, including tactical response. This course is designed to prepare law enforcement officers to recognize the threat of an active suicide bomber through the recognition of Suicide Bomber Improvised Explosive Device (SBIED) components and suicide bomber behavioral indicators. The course provides multiple response strategies to effectively interdict a suicide bomber. Additionally, the ILERSBA course teaches law enforcement officers how to establish response priorities when responding to a suicide bombing post-blast scene, given the unique hazards associated with such an incident.

AWR-235-C Initial Law Enforcement Response to Suicide Bombing Attacks, Customized

HOURS 1.5 CEU 0 This conference delivery of the ILERSBA course presents an overview of the information on suicide bomber recognition and appropriate response categories, including tactical response. This course is designed to prepare law enforcement officers to recognize the threat of an active suicide bomber through the recognition of Suicide Bomber Improvised Explosive Device (SBIED) components and suicide bomber behavioral indicators. The course provides multiple response strategies to effectively interdict a suicide bomber. Additionally, the ILERSBA course teaches law enforcement officers how to establish response priorities when responding to a suicide bombing post-blast scene, given the unique hazards associated with such an incident.

AWR-313 Homemade Explosives: Awareness, Recognition, and Response, Mobile

HOURS 8.0 CEU 0.8 The HME course provides first responders with information on general explosive characteristics and hazards, homemade explosive precursor materials, homemade explosive manufacturing indicators, and Improvised Explosive Device (IED) components. Additionally, the course teaches first responders how to identify a homemade explosive laboratory and how to establish scene safety and security in such an incident. First responders are also presented information regarding community awareness and education programs related to homemade explosives. This information better prepares first responders to recognize hazards associated with homemade explosives during response operations.

PER-230 Incident Response to Terrorist Bombings, Residential

HOURS 27.0 CEU 2.7 The IRTB course provides first responders with the knowledge and skills necessary to safely respond to terrorist incidents involving explosives. The IRTB course focuses on first responder health and safety by addressing personal protection issues that arise when responding to terror incidents involving commercial and homemade explosive. Additionally, the course includes information on the recognition of Improvised Explosive Devices (IEDs); terrorist organizations, both foreign and domestic; and lessons learned from past terrorist incidents through classroom presentations and live-explosive demonstrations. This information better prepares first responders to safely recognize and respond to terrorist bombing threats.

PER-230-1 Incident Response to Terrorist Bombings, Train-the-Trainer

HOURS 27.0 CEU 2.7 The IRTB course provides first responders with the knowledge and skills necessary to safely respond to terrorist incidents involving explosives. The IRTB course focuses on first responder health and safety by addressing personal protection issues that arise when responding to terror incidents involving commercial and homemade explosive. Additionally, the course includes information on the recognition of Improvised Explosive Devices (IEDs); terrorist organizations, both foreign and domestic; and lessons learned from past terrorist incidents through classroom presentations and live-explosive demonstrations. This information better prepares first responders to safely recognize and respond to terrorist bombing threats. Qualified participants are certified to teach awareness level information after successful completion of the course.

PER-231 Prevention of and Response to Suicide Bombing Incidents, Residential

HOURS 34.0 CEU 3.4 The PRSBI course focuses on understanding the history and threat of suicide bombing to the United States as well as suicide bomber methodologies. The course guides first responders through the Nine Phases of a Bombing Incident as they relate to suicide bombers (beginning with bomber recruitment) with interdiction opportunities presented at every phase. First responders are provided with information on Suicide Bomber Improvised Explosive Devices (SBIEDs), SBIED component recognition, and delivery methods through classroom presentations and live-explosive demonstrations. Additionally, first responders are presented with the tools to recognize a suicide bombing threat and countermeasure planning tools to prevent and/or mitigate the effects of such an attack. This information enables first responders to return to their organizations and maximize efforts and planning for suicide bombing threats. This information better prepares first responders to safely recognize and respond to terrorist bombing threats. Qualified participants are certified to teach awareness level information after successful completion of the course.

PER-231-1 Prevention of and Response to Suicide Bombing Incidents, Train-the-Trainer

HOURS 34.0 CEU 3.4 The PRSBI course focuses on understanding the history and threat of suicide bombing to the United States as well as suicide bomber methodologies. The course guides first responders through the Nine Phases of a Bombing Incident as they relate to suicide bombers (beginning with bomber recruitment) with interdiction opportunities presented at every phase. First responders are provided with information on Suicide Bomber Improvised Explosive Devices (SBIEDs), SBIED component recognition, and delivery methods through classroom presentations and live-explosive demonstrations. Additionally, first responders are presented with the tools to recognize a suicide bombing threat and countermeasure planning tools to prevent and/or mitigate the effects of such an attack. This information enables first responders to return to their organizations and maximize efforts and planning for suicide bombing threats.

PER-233 Medical Preparedness and Response for Bombing Incidents, Mobile

HOURS 16.0 CEU 1.6 This MPRBI course introduces first responders who may be involved in the medical response to an explosive incident to real-world event case studies and research-based information designed to enhance the medical preparedness for and response to blast effects. This course includes a management and planning-level section focused on pre-incident indicators of bombing incidents, bombing incident scene safety and security, and resource management for bombing incidents. The course also includes a performance-level section focused on bombing incident injury patterns and treatment; managing the medical response for bombing incidents; and the planning, training, and exercise cycle for bombing incidents.



Louisiana State University National Center for Biomedical Research and Training/Academy of Counter-Terrorist Education



Louisiana State University's National Center for Biomedical Research and Training/Academy of Counter-Terrorist Education (LSU NCBRT/ACE) is a founding member of the NDPC. Since 1998, LSU NCBRT/ACE has focused on three areas of emergency responder training: biological events, food and agriculture, and law enforcement. LSU NCBRT/ACE offers mobile training, meaning that courses are delivered in local jurisdictions across the country. LSU NCBRT/ACE also offers online training.

LSU NCBRT/ACE offers over 20 DHS/FEMA certified courses for a variety of disciplines, including Law Enforcement, HAZMAT, EMS, Public Health, Hospital Staff, Emergency Management, and many others. Some courses offer hands-on, tactical training, while others are geared toward emergency planning and management.

ncbrt.lsu.edu 877.829.8550

| COURSE NUMBER | NATIONAL CENTER FOR BIOMEDICAL RESEARCH AND TRAINING COURSE NAME | HRS | CEU | PG |
|---------------|--|------|-----|-----|
| AWR-118 | Biological Incidents Awareness | 7.0 | 0.7 | 3-2 |
| AWR-118-1 | Biological Incidents Awareness, Train-the-Trainer | 8.0 | 0.8 | 3-3 |
| AWR-122 | Law Enforcement Prevention and Deterrence of Terrorist Acts | 14.0 | 1.4 | 3-3 |
| AWR-122-1 | Law Enforcement Prevention and Deterrence of Terrorist Acts, Train-the-Trainer | 15.0 | 1.5 | 3-3 |
| AWR-122-C | Law Enforcement Prevention and Deterrence of Terrorist Acts, Customized | 4.0 | 0.4 | 3-3 |
| AWR-219 | Site Protection through Observational Techniques (SPOT) | 7.0 | 0.7 | 3-3 |
| AWR-219-1 | Site Protection through Observational Techniques (SPOT), Train-the-Trainer | 8.0 | 0.8 | 3-3 |
| AWR-219-C | Site Protection through Observational Techniques (SPOT) | 4.0 | 0.4 | 3-4 |
| AWR-304-W | Shopping Center Security Terrorism Awareness Training Program, Web-based | 5.0 | 0.5 | 3-4 |
| AWR-315 | Fundamentals of Criminal Intelligence | 20.0 | 2.0 | 3-4 |
| MGT-323 | Instructor Development Workshop | 24.0 | 2.4 | 3-4 |
| MGT-324 | Campus Emergencies Prevention, Response, and Recovery | 16.0 | 1.6 | 3-5 |
| MGT-324-C | Campus Emergencies Prevention, Response, and Recovery – Customized | 8.0 | 0.8 | 3-5 |
| MGT-409 | Community Healthcare Planning and Response to Disasters | 16.0 | 1.6 | 3-5 |
| MGT-418 | Readiness: Training Identification and Preparedness Planning | 16.0 | 1.6 | 3-5 |
| MGT-447 | Managing Food Emergencies: Strategies for a Community Response | 16.0 | 1.6 | 3-6 |
| PER-219 | A Prepared Jurisdiction: Integrated Response to a CBRNE Incident | 20.0 | 2.0 | 3-6 |
| PER-220 | Emergency Response to Domestic Biological Incidents | 16.0 | 1.6 | 3-6 |
| PER-221 | Tactical Operations for CBRNE Incidents | 24.0 | 2.4 | 3-6 |
| PER-222 | Public Safety CBRNE Response – Sampling Techniques and Guidelines | 24.0 | 2.4 | 3-6 |
| PER-228 | Advanced Forensic Investigations for Hazardous Environments | 32.0 | 3.2 | 3-7 |
| PER-229 | Introduction to the Computer-Aided Management of Emergency Operations (CAMEO) Suite | 24.0 | 2.4 | 3-7 |
| PER-229-1 | Introduction to the Computer-Aided Management of Emergency Operations (CAMEO) Suite, Train-the-Trainer | 32.0 | 3.2 | 3-7 |
| PER-275 | Law Enforcement Active Shooter Emergency Response (LASER) | 24.0 | 2.4 | 3-7 |
| PER-275-1 | Law Enforcement Active Shooter Emergency Response (LASER), Train-the-Trainer | 32.0 | 3.2 | 3-7 |
| PER-298 | Team Approach to Foodborne Outbreak Response | 16.0 | 1.6 | 3-8 |
| PER-335 | Critical Decision Making for Complex Coordinated Attacks | 16.0 | 1.6 | 3-8 |
| PER-340 | Active Threat Integrated Response Course (ATIRC) | 24.0 | 2.4 | 3-8 |
| PER-374 | Active Threats on Campuses: Protective Measures and Response | 8.0 | 0.8 | 3-8 |
| PER-374-1 | Active Threats on Campuses: Protective Measures and Response , Train-the-Trainer | 8.0 | 0.8 | 3-9 |
| PER-375 | Surviving an Active Threat: Run. Hide. Fight. | 8.0 | 0.8 | 3-9 |
| PER-375-1 | Surviving an Active Threat: Run. Hide. Fight., Train-the-Trainer | 8.0 | 0.8 | 3-9 |

AWR-118 Biological Incidents Awareness

HOURS 7.0 CEU 0.7 This course provides a brief overview of biological incidents that have occurred; biological agents that are naturally occurring, could be accidentally released, or could be used deliberately; the typical course of disease and how that may vary in a deliberate incident; an overview of biological agents as terrorist weapons; and methods of protection from biological agents (with an emphasis on protection using methods and equipment readily available to emergency responders and the general public). This course can be considered an introductory course to Emergency Response to Domestic Biological Incidents (PER-220).

AWR-118-1 Biological Incidents Awareness, Train-the-Trainer

HOURS 8.0 CEU 0.8 This course provides a brief overview of biological incidents that have occurred; biological agents that are naturally occurring, could be accidentally released, or could be used deliberately; the typical course of disease and how that may vary in a deliberate incident; an overview of biological agents as terrorist weapons; and methods of protection from biological agents (with an emphasis on protection using methods and equipment readily available to emergency responders and the general public). This course can be considered an introductory course to Emergency Response to Domestic Biological Incidents (PER-220).

AWR-122 Law Enforcement Prevention and Deterrence of Terrorist Acts

HOURS 14.0 CEU 1.4 This awareness-level course focuses on the recognition, prevention, and deterrence of terrorist activity and criminal high-consequence incidents for law enforcement and other public safety professionals (such as investigators, parole or probation officers, public health investigators, EMS, fire service, and others in public safety-related positions).

AWR-122-1 Law Enforcement Prevention and Deterrence of Terrorist Acts, Train-the-Trainer

HOURS 15.0 CEU 1.5 This awareness-level course focuses on the recognition, prevention, and deterrence of terrorist activity and criminal high-consequence incidents for law enforcement and other public safety professionals (such as investigators, parole or probation officers, public health investigators, EMS, fire service, and others in public safety-related positions).

AWR-122-C Law Enforcement Prevention and Deterrence of Terrorist Acts, Customized

HOURS 4.0 CEU 0.4 This course, also known as Fraudulent Documents, provides participants with an overview of general security features employed by the US government to establish the validity of government documents, as well as known methods used to alter or counterfeit the types of documents commonly presented to law enforcement officers. Several government documents are discussed, including identity cards, driver's licenses, and social security cards.

AWR-219 Site Protection through Observational Techniques (SPOT)

HOURS 7.0 CEU 0.7 The US Department of Homeland Security (DHS) and the Federal Emergency Management Agency (FEMA) currently support several major initiatives to improve agencies' capabilities to respond to terrorist incidents. This course is one of those initiatives.

This course provides awareness-level training to public safety personnel. Emergency responders, security professionals, security support staff, and the public must work together to identify suspicious objects, substances, and people. This course trains public safety personnel to improve their observational techniques by using a four-step ongoing screening process that includes increasing protective awareness, identifying preoperational behaviors, evaluating, and taking action.

At the end of this course, participants will be able to better recognize, communicate, and act upon suspicious behaviors that could indicate a terrorist attack.

AWR-219-1 Site Protection through Observational Techniques (SPOT), Train-the-Trainer

HOURS 8.0 CEU 0.8 The US Department of Homeland Security (DHS) and the Federal Emergency Management Agency (FEMA) currently support several major initiatives to improve agencies' capabilities to respond to terrorist incidents. This course is one of those initiatives.

This course provides awareness-level training to public safety personnel. Emergency responders, security professionals, security support staff, and the public must work together to identify suspicious objects, substances, and people. This course trains public safety personnel to improve their observational techniques by using a four-step ongoing screening process that includes increasing protective awareness, identifying preoperational behaviors, evaluating, and taking action.

At the end of this course, participants will be able to better recognize, communicate, and act upon suspicious behaviors that could indicate a terrorist attack.

AWR-219-C Site Protection through Observational Techniques (SPOT)

HOURS 4.0 CEU 0.4 The US Department of Homeland Security (DHS) and the Federal Emergency Management Agency (FEMA) currently support several major initiatives to improve agencies' capabilities to respond to terrorist incidents. This course is one of those initiatives.

This course provides awareness-level training to public safety personnel. Emergency responders, security professionals, security support staff, and the public must work together to identify suspicious objects, substances, and people. This course trains public safety personnel to improve their observational techniques by using a four-step ongoing screening process that includes increasing protective awareness, identifying preoperational behaviors, evaluating, and taking action. At the end of this course, participants will be able to better recognize, communicate, and act upon suspicious behaviors that could indicate a terrorist attack.

This customized version of the course stays at a much higher level and does not go into as much details as the 8-hr. version of the course.

AWR-304-W Shopping Center Security Terrorism Awareness Training Program, Web-based

HOURS 5.0 CEU 0.5 This course provides security training personnel with increased awareness of the various facets of terrorism and criminal activity that could occur at a retail facility. During this course participant will examine weapons that may be used in a terror attack and will be able to describe various attack tactics that may be used against a retail facility. Participants will also be able to assess potentially suspicious behavior and will be able to conduct surveillance at their facility. The course describes proper response to terrorist or criminal incidents.

AWR-315 Fundamentals of Criminal Intelligence

HOURS 20.0 CEU 2.0 This awareness-level course presents participants with the core capabilities required for participants from an all-crimes, all-hazards perspective. It encompasses traditional crimes and domestic and international acts of terrorism. This course introduces participants to intelligence and distinguishes between intelligence and information. Among the topics covered are the Intelligence Community, responsibilities of participants, and goals and uses of criminal intelligence products. The potential range of customers and their needs are addressed. This course incorporates the five-step intelligence process and the importance of critical and creative thinking as it pertains to analysis of information and the intelligence process. Participants will become familiar with the Information Sharing Environment, suspicious activity reporting, and legal authorities and guidance associated with criminal intelligence collection and use, including privacy, civil rights, and civil liberties laws. Finally, this course addresses the benefits of forming strategic partnerships and collaborative networks. The goal of this course is to ensure participants leave equipped with the knowledge and skills to effectively participate in and contribute to the criminal intelligence enterprises within their agencies.

MGT-323 Instructor Development Workshop

HOURS 24.0 CEU 2.4 This course was initially developed as a critical step in its certification process for instructors who develop and deliver courses on behalf of the Department of Homeland Security. Since its development, participation in the course has been extended to other national and international organizations. This course focuses on best teaching and training practices, and it enhances understanding and application of instructor competencies developed by the International Board of Standards for Teaching, Performance, and Instruction (ibstpi®). This course focuses on instructor development that emphasizes active learning and learner-centered instructional models. Course instructors model how to facilitate classroom discussions, assess learning, and engage, motivate and encourage participants. Throughout the course, participants have opportunities to reflect on their development as instructors and to identify strategies that will serve to make them better instructors tomorrow than they are today. The course follows a problem-based training model, focusing on providing performance, technical, and higher-level skills instruction.

MGT-324 Campus Emergencies Prevention, Response, and Recovery

HOURS 16.0 CEU 1.6 This course aims to train personnel from PK-12 schools and institutions of higher education (IHEs), first responders, elected officials, and community stakeholders to respond to campus emergencies effectively and cooperatively. Participants will examine successful, nationally accepted emergency management principles that can be used to address the wide range of threats and hazards that educational entities face.

During the course, participants will discuss emergency planning considerations, the importance of an integrated response to campus emergencies, and communications and recovery issues that need to be addressed. The course consists of practical, problem-based, integrated group activities that require a coordinated, integrated approach. As they engage in tabletop scenarios, course participants will observe a developing incident and respond in a manner consistent with currently established campus (PK-12 and IHE) and jurisdictional emergency operations procedures.

MGT-324-C Campus Emergencies Prevention, Response, and Recovery - Customized

HOURS 8.0 CEU 0.8 This course aims to train personnel from PK-12 schools and institutions of higher education (IHEs), first responders, elected officials, and community stakeholders to respond to campus emergencies effectively and cooperatively. Participants will examine successful, nationally accepted emergency management principles that can be used to address the wide range of threats and hazards that educational entities face.

During the course, participants will discuss emergency planning considerations, the importance of an integrated response to campus emergencies, and communications and recovery issues that need to be addressed. The course consists of practical, problem-based, integrated group activities that require a coordinated, integrated approach. As they engage in tabletop scenarios, course participants will observe a developing incident and respond in a manner consistent with currently established campus (PK-12 and IHE) and jurisdictional emergency operations procedures.

This customized version of the course stays at a much higher level and does not go into as much details as the 16-hr. version of the course.

MGT-409 Community Healthcare Planning and Response to Disasters

HOURS 16.0 CEU 1.6 This course provides comprehensive planning tools to mitigate impacts on communities during large-scale incidents and examines the need for collaboration among responders in a community-wide disaster response. It is taught through a combination of facilitated discussion, hands-on training and traditional instruction. Recognizing that response to disasters differs by locale, the course can be tailored to local participant needs. Several activities rely on the varied expertise and experiences of the audience to provide information about their planning considerations and response roles.

MGT-418 Readiness: Training Identification and Preparedness Planning

HOURS 16.0 CEU 1.6 The goal of this course is to teach participants how to create effective training plans for their agencies and jurisdictions using an approach that includes the whole community. The RTIPP process stems from the National Preparedness System (NPS) guidelines, and each module is based on a component of the NPS. The components of the NPS are as follows:

- Identifying and Assessing Risks
- Estimating Capability Requirements
- Building and Sustaining Capabilities
- Planning to Deliver Capabilities
- Validating Capabilities
- Reviewing and Updating

In this course, participants will learn how to implement a training planning process in their communities. First, participants will build an assessment team with representatives from the whole community. The whole community assessment team will understand and enhance the jurisdictional profile and identify and assess risks for its particular community. Next, the team should estimate the capability requirements and establish target skill levels for the capabilities most applicable to its community. Then, the assessment team can analyze its current set of capabilities and identify where its capability training does not meet the skill need.

After completing the process, participants will discuss implementation in their communities, including barriers, and create action plans to deliver and validate capabilities.(DHS 2011a).

MGT-447 Managing Food Emergencies: Strategies for a Community Response

HOURS 16.0 CEU 1.6 This management-level course teaches participants how to manage food emergencies with a whole community approach using the National Incident Management System (NIMS). Participants will understand how the principles of the Incident Command System (ICS) and multi-agency coordination, such as emergency operation center (EOC) activation, can reduce the effects of a food emergency.

Participants will manage a food emergency scenario using the guidelines and strategies of the command and coordination component of the NIMS. The food emergency scenario progresses with every module, beginning with Module 2, from the point that a possible foodborne illness is detected. The food emergency scenario will progress throughout the modules from surveillance and into the transition to recovery. In Module 7, participants will engage in an after-action discussion to assess their current preparedness for a food emergency and the value of using principles and components of the NIMS, particularly adding the emergency management discipline as a response partner.

PER-219 A Prepared Jurisdiction: Integrated Response to a CBRNE Incident

HOURS 20.0 CEU 2.0 The goal of this course is to build relationships that result in effective multidisciplinary integration of emergency response capabilities, equipment, plans, and procedures during a chemical, biological, radiological, nuclear, or explosive (CBRNE) incident or event. Using a whole community approach, the course provides an opportunity for participants to cross train and recognize the capabilities of response organizations in their jurisdiction. Using a realistic response scenario, participants will perform field training and assess their ability to integrate effectively with other disciplines in their community.

PER-220 Emergency Response to Domestic Biological Incidents

HOURS 16.0 CEU 1.6 The goal of this course is to build relationships that result in effective multidisciplinary integration of emergency response capabilities, equipment, plans, and procedures during a chemical, biological, radiological, nuclear, or explosive (CBRNE) incident or event. Using a whole community approach, the course provides an opportunity for participants to cross train and recognize the capabilities of response organizations in their jurisdiction. Using a realistic response scenario, participants will perform field training and assess their ability to integrate effectively with other disciplines in their community.

Participants will discuss personal, victim, environmental, and area protection during a biological incident. This course will teach responders the basic concepts of safety during an actual or suspected biological incident. Responders should be vigilant to recognize any indicators of a biological incident. The key question in this course: "Is it bio?"

PER-221 Tactical Operations for CBRNE Incidents

HOURS 24.0 CEU 2.4 The goal of this course is to provide tactical team personnel and emergency responders with the knowledge, skills, and abilities to safely and effectively respond to chemical, biological, radiological, nuclear, and explosive (CBRNE) incidents.

Through a combination of classroom sessions and comprehensive practical exercises, participants gain knowledge and experience in decontamination procedures; selection and use of PPE; tactical operations involving an IED; identification and characteristics of chemical and biological agents; identification and characteristics of radiological isotopes; use of detection equipment; and planning and performing tactical operations in a CBRNE environment.

PER-222 Public Safety CBRNE Response – Sampling Techniques and Guidelines

HOURS 24.0 CEU 2.4 The course provides diverse agency representatives who have hazardous material backgrounds the ability to coordinate with local and state emergency responder agencies; to assess CBRNE events; conduct area surveys in a safe and effective manner; conduct material characterization and screening operations; and, collect public safety samples in a hazardous environment.

This course provides participants with an opportunity to perform public safety sampling techniques required in the response to a CBRNE event. As observed by the course instructors, participants should take part in classroom activities. Participants, who all have hazardous material backgrounds, will be given the opportunity to demonstrate knowledge, skills, and abilities associated with performing public safety sampling operations required in a CBRNE environment.

PER-228 Advanced Forensic Investigations for Hazardous Environments

HOURS 32.0 CEU 3.2 Advanced Forensic Investigations for Hazardous Environments addresses response in a hazardous environment, with emphasis on evidence collection and recovery. The purpose of the course is to provide participants with the knowledge, skills, and abilities to investigate a hazardous environment crime scene, as defined by the International Association for Identification's Crime Scene Certification Board.

This course is designed for presentation over four consecutive days. The modules are designed to fit together and progress in such a way that, by the end of the course, participants will have developed the required knowledge, skills, and ability to investigate a chemical, biological, radiological, nuclear, and high-yield explosive (CBRNE), toxic industrial chemical (TIC), or hazardous environment crime scene for the identification, documentation, presumptive field testing, preservation, and collection for laboratory analysis of CBRNE/TIC and non-CBRNE/TIC forensic evidence.

PER-229 Introduction to the Computer-Aided Management of Emergency Operations (CAMEO) Suite

HOURS 24.0 CEU 2.4 This performance-level course provides training on the fundamental elements of the CAMEO Suite of programs as they relate to emergency situations. As such, it includes detailed technical information and hands-on practice of critical elements of the CAMEO system and its associated programs (CAMEO Chemicals, CAMEOfm, ALOHA, and MARPLOT). To better understand how the programs interface, participants are provided opportunities to practice key procedures that allow users to enhance planning and response activities associated with community risks. These exercises clarify the connections between the programs and how they can enhance emergency planning and response activities.

PER-229-1 Introduction to the Computer-Aided Management of Emergency Operations (CAMEO) Suite, Train-the-Trainer

HOURS 32.0 CEU 3.2 This performance-level course provides training on the fundamental elements of the CAMEO Suite of programs as they relate to emergency situations. As such, it includes detailed technical information and hands-on practice of critical elements of the CAMEO system and its associated programs (CAMEO Chemicals, CAMEOfm, ALOHA, and MARPLOT). To better understand how the programs interface, participants are provided opportunities to practice key procedures that allow users to enhance planning and response activities associated with community risks. These exercises clarify the connections between the programs and how they can enhance emergency planning and response activities.

PER-275 Law Enforcement Active Shooter Emergency Response (LASER)

HOURS 24.0 CEU 2.4 This course is designed to provide participants with the knowledge, skills and abilities to rapidly deploy and neutralize violent offenders during active shooter incidents or mass casualty incidents in order to prevent the loss of innocent lives. It achieves this through classroom presentations, hands-on performance-based field training, and scenario-based practical exercises.

PER-275-1 Law Enforcement Active Shooter Emergency Response (LASER), Train-the-Trainer

HOURS 32.0 CEU 3.2 This is a train-the-trainer course designed to prepare participants to deliver indirect versions of Law Enforcement Active Shooter Emergency Response. Participants must have previously taken and passed the direct delivery version of the course to take the train-the-trainer.

PER-298 Team Approach to Foodborne Outbreak Response

HOURS 16.0 CEU 1.6 This course addresses the training needs of staff who have a role in foodborne outbreak response. Participants include individuals from state and local government agencies with experience in foodborne disease outbreak response and knowledge of their agency's outbreak investigation capabilities. Partners from federal agencies and the food industry will also benefit from participation in this course, since it identifies how the skills, resources, and expertise of all levels of government can be coordinated within an integrated national food system.

Knowing how and when to engage the expertise of these specialists can save time during investigations, which can mean fewer illnesses and deaths. This course provides strategies for leveraging resources at all levels of government as well as food industry subject matter experts to build investigation and response capabilities. Overall, this course will help these entities function as a team during a foodborne outbreak response.

PER-335 Critical Decision Making for Complex Coordinated Attacks

HOURS 16.0 CEU 1.6 This course addresses the vulnerability of any community to a public safety situation, such as an active shooter at a shopping mall; a train derailment with hazardous chemicals; a bombing incident at a commercial district; a plane crash; or chemical, biological, radiological, nuclear, or explosive attack. These attacks, known as complex coordinated attacks, involve multiple threats that often exceed conventional response tactics. These attacks require a joint response involving members from varying disciplines and jurisdictions. The course will enhance the response capabilities of participants by providing them with the knowledge and tools to enable effective response.

This course is taught through a combination of classroom instruction and practical exercises. Among the topics covered during the classroom instruction are characteristics of a complex coordinated attack, public safety response considerations, command operations and strategies, and critical information about situational domain awareness. Several notable case studies are also presented to provide real-life examples of the characteristics of a complex coordinated attack.

Featured practical exercises allow participants to interact with responders from other disciplines to effectively address a variety of complex coordinated attack scenarios. Participants will work together to identify critical considerations and command strategies. Further, these exercises encourage collaborative decision-making and rapid strategizing.

PER-340 Active Threat Integrated Response Course (ATIRC)

HOURS 24.0 CEU 2.4 This course is designed to improve integration between law enforcement, fire, and emergency medical services (EMS) in active shooter events. The course provides law enforcement officers with key medical skills based on tactical emergency casualty care (TECC) guidelines that can be used at the point of injury (POI) to increase survivability of victims. The course also provides a model framework for law enforcement, fire, and EMS to integrate responses during an active shooter event through the rescue task force concept using the Active Shooter Incident Management Checklist.

PER-374 Active Threats on Campuses: Protective Measures and Response

HOURS 8.0 CEU 0.8 This 8-hour, performance-level course aims to strengthen the response capabilities of those working in a campus environment, in preparation for a potential active threat incident. For the purposes of this course, a campus is not limited to a traditional school campus. Campuses may include the grounds of a church or other place of worship, hospital, or business complex. An active threat incident will test the resolve of law enforcement first responders and non-law enforcement campus personnel (immediate responders). It is critical for these parties to work together to prevent or mitigate the effects of an active threat. Participants will examine various techniques and principles to effectively combat active threats of all types.

During the course, participants will discuss emergency breaching, emergency response protocols, and initial patient management. Additionally, the course consists of a practical exercise that uses active threat scenarios to test response capabilities of law enforcement and non-law enforcement personnel. The course will provide participants with the opportunity to enhance their response skills to better improve their chances of survival in the event of an active threat incident.

PER-374-1 Active Threats on Campuses: Protective Measures and Response , Train-the-Trainer

HOURS 8.0 CEU 0.8 This course serves as an 8-hour block of instruction that prepares trainer-the-trainer participants to effectively conduct an indirect delivery of Active Threats on Campuses: Protective Measures and Response. It contains a review of module content, individual and class reflection, guidance on becoming a trainer, and administrative information and tasks.

PER-375 Surviving an Active Threat: Run. Hide. Fight.

HOURS 8.0 CEU 0.8 This course trains non-traditional first responders, including civilian employees, students, faculty, staff, patrons, and any other individuals, who live, work, or visit any location where an active threat incident may occur. The course focuses on the various components of the Run. Hide. Fight. response paradigm, which is widely accepted and taught as one of the primary response paradigms regarding active threat incidents. Participants will learn about ways the Run. Hide. Fight. response paradigm can be applied in any active threat incident, regardless of the location or other factors involved.

During the course, participants will discuss the three primary tenets of the response paradigm, evaluate how the paradigm can be incorporated into existing building emergency action plans, complete a practical exercise in which they will demonstrate the response options, and become familiar with notable case studies in which the response options were either implemented or could have been implemented to prevent or mitigate the attacks. The course includes lecture, group discussion, and practical application of course material and seeks to prepare the target audience for an active threat incident by providing participants with plausible and effective response options.

PER-375-1 Surviving an Active Threat: Run. Hide. Fight., Train-the-Trainer

HOURS 8.0 CEU 0.8 This course serves as an 8-hour block of instruction that prepares trainer-the-trainer participants to effectively conduct an indirect delivery of Surviving an Active Threat: Run. Hide. Fight. It contains a review of module content, individual and class reflection, guidance on becoming a trainer, and administrative information and tasks.



National Emergency Response and Recovery Training Center

Texas A&M Engineering Extension Service (TEEX)



The National Emergency Response and Recovery Training Center (NERRTC) was established in 1998 as part of the NDPC and approved in 2000 by the Federal Emergency Management Agency (FEMA) as a national disaster response center. NERRTC's mission is to design, develop, and deliver training, exercises, and technical assistance for the nation's emergency responders. NERRTC combines traditional classroom work, small group instruction, field exercises, participant activities, case studies and vignettes, multimedia scenarios, and computer-aided training and exercise simulations to train individuals and jurisdictions.

NERRTC assists and plays a major role in establishing and maintaining DHS/FEMA's concept of "culture of preparedness" and has sharpened its focus on that concept by incorporating an "all-of-nation"/"whole community," risk-driven, capabilities-based approach to preparedness, leveraging 45 direct deliveries and 15 online courses. NERRTC provides training in 11 core competency areas: cybersecurity, crisis communications, executive and elected officials education, hazardous materials awareness and operations, health and medical services, incident management, infrastructure protection, search and rescue, threat and risk assessment, public works, and training gap analysis.

teex.org/nerrtc 844.789.5673

| COURSE NUMBER | NATIONAL EMERGENCY RESPONSE AND RECOVERY TRAINING CENTER COURSE NAME | HRS | CEU | PG |
|---------------|--|------|-----|------|
| AWR-111-W | Basic Emergency Medical Services Concepts for Chemical, Biological, Radiological, Nuclear, and Explosive Events, Web-based | 4.0 | 0.4 | 4-3 |
| AWR-136 | Essentials of Community Cybersecurity | 4.0 | 0.4 | 4-3 |
| AWR-138-W | Network Assurance, Web-based | 5.0 | 0.5 | 4-3 |
| AWR-139-W | Digital Forensics Basics, Web-based | 7.0 | 0.7 | 4-3 |
| AWR-160 | Standardized Awareness Training (SAT) | 8.0 | 0.8 | 4-4 |
| AWR-160-F | Conocimiento Sobre Armas de Destruccion Masiva/Terrorismo para Socorrista, en linea | 4.0 | 0.4 | 4-4 |
| AWR-160-W | WMD/Terrorism Awareness for Emergency Responders, Web-based | 4.0 | 0.4 | 4-4 |
| AWR-167 | Sport Event Risk Management | 16.0 | 1.6 | 4-4 |
| AWR-168-W | Cyber Law and White Collar Crime, Web-based | 10.0 | 1.0 | 4-4 |
| AWR-169-W | Cyber Incident Analysis and Response, Web-based | 10.0 | 1.0 | 4-4 |
| AWR-173-W | Information Security Basics, Web-based | 13.0 | 1.3 | 4-5 |
| AWR-174-W | Cyber Ethics, Web-based | 13.0 | 1.3 | 4-5 |
| AWR-175-W | Information Security for Everyone, Web-based | 10.5 | 1.0 | 4-5 |
| AWR-176-W | Disaster Recovery for Information Systems, Web-based | 10.0 | 1.0 | 4-5 |
| AWR-177-W | Information Risk Management, Web-based | 13.0 | 1.3 | 4-5 |
| AWR-178-W | Secure Software, Web-based | 9.0 | 0.9 | 4-5 |
| AWR-213 | Critical Infrastructure Security and Resilience Awareness | 8.0 | 0.8 | 4-5 |
| AWR-314-W | Medical Countermeasures Awareness for Public Health Emergencies, Web-based | 3.0 | 0.3 | 4-6 |
| AWR-375-W | Risk Management for After School Activities and Interscholastic Athletics, Web-based | 6.0 | 0.6 | 4-6 |
| AWR-376 | Understanding Targeted Cyber Attacks | 8.0 | 0.8 | 4-6 |
| MGT-310 | The Threat and Hazard Identification and Risk Assessment and Stakeholder Preparedness Review (THIRA/SPR) | 16.0 | 1.6 | 4-6 |
| MGT-312 | Senior Officials Workshop for All-Hazards Preparedness | 6.0 | 0.6 | 4-6 |
| MGT-314 | Enhanced All-Hazards Incident Management/Unified Command | 28.0 | 2.8 | 4-6 |
| MGT-315 | Critical Asset Risk Management | 16.0 | 1.6 | 4-7 |
| MGT-317 | Disaster Management for Public Services | 16.0 | 1.6 | 4-7 |
| MGT-318 | Public Information in an All-Hazards Incident | 16.0 | 1.6 | 4-7 |
| MGT-319 | Medical Countermeasures: Point of Dispensing (POD), Planning and Response | 16.0 | 1.6 | 4-7 |
| MGT-340 | Crisis Leadership and Decision Making | 4.0 | 0.4 | 4-7 |
| MGT-341 | Disaster Preparedness for Healthcare Organizations within the Community Infrastructure | 16.0 | 1.6 | 4-8 |
| MGT-342 | Strategic Overview of Disaster Management for Water and Wastewater Utilities | 4.0 | 0.4 | 4-8 |
| MGT-343 | Disaster Management for Water and Wastewater Utilities | 16.0 | 1.6 | 4-8 |
| MGT-345 | Disaster Management for Electric Power Systems | 16.0 | 1.6 | 4-8 |
| MGT-346 | Emergency Operations Center Operations (EOC) and Planning for All-Hazards Events | 24.0 | 2.4 | 4-9 |
| MGT-347 | Incident Command System (ICS) Forms Review | 4.0 | 0.4 | 4-9 |
| MGT-348 | Medical Preparedness and Response for Bombing Incidents | 16.0 | 1.6 | 4-9 |
| MGT-361 | Managing Critical Incidents at Institutions of Higher Education: A Whole Community Approach (Customized version MGT-361-C) | 24.0 | 2.4 | 4-9 |
| MGT-384 | Community Preparedness for Cyber Incidents | 12.0 | 1.2 | 4-10 |
| MGT-385 | Community Cybersecurity Exercise Planning | 12.0 | 1.2 | 4-10 |
| MGT-404 | Sports and Special Events Incident Management | 16.0 | 1.6 | 4-10 |
| MGT-412 | Sport Venue Evacuation and Protective Actions | 15.0 | 1.5 | 4-10 |
| MGT-414 | Advanced Critical Infrastructure Protection | 8.0 | 0.8 | 4-10 |
| MGT-418 | Readiness: Training Identification and Preparedness Planning | 16.0 | 1.6 | 4-11 |
| MGT-439 | Pediatric Disaster Response and Emergency Preparedness | 16.0 | 1.6 | 4-11 |
| MGT-440 | Enhanced Sports and Special Events Incident Management | 24.0 | 2.4 | 4-11 |

| COURSE NUMBER | NATIONAL EMERGENCY RESPONSE AND RECOVERY TRAINING CENTER COURSE NAME | HRS | CEU | PG |
|---------------|---|------|-----|------|
| MGT-452 | Physical and Cybersecurity for Critical Infrastructure | 8.0 | 0.8 | 4-11 |
| MGT-466 | Sport and Special Event Enhanced Risk Management and Assessment | 15.0 | 1.5 | 4-11 |
| MGT-467 | Sport and Special Event Public Information and Emergency Notification | 16.0 | 1.6 | 4-12 |
| MGT-904 | Intermediate ICS for Expanding Incidents (ICS-300) | 21.0 | 2.1 | 4-12 |
| MGT-905 | Advanced ICS Command and General Staff-Complex Incidents (ICS-400) | 15.0 | 1.5 | 4-12 |
| MGT-906 | Incident Command System Curricula, Train-the-Trainer (L449) | 32.0 | 3.2 | 4-12 |
| PER-211 | Medical Management of Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) Events | 16.0 | 1.6 | 4-12 |
| PER-212 | Operational Level Response to HazMat/WMD Incidents | 24.0 | 2.4 | 4-13 |
| PER-212-1 | Operational Level Response to HazMat/WMD Incidents, Train-the-Trainer | 24.0 | 2.4 | 4-13 |
| PER-213 | Wide Area Search | 24.0 | 2.4 | 4-13 |
| PER-334 | When Disaster Strikes: Prepare, Act, Survive | 12.0 | 1.2 | 4-13 |
| PER-352 | Active Shooter Incident Management (16-Hour) | 16.0 | 1.6 | 4-13 |
| PER-353 | Active Shooter Incident Management (24-Hour) | 24.0 | 2.4 | 4-14 |

AWR-111-W Basic Emergency Medical Services Concepts for Chemical, Biological, Radiological, Nuclear, and Explosive Events, Web-based

HOURS 4.0 CEU 0.4 teex.org/nerrtconline The Basic Emergency Medical Services (EMS) Concepts for CBRNE Events, Web-based, introduces students to medical knowledge relating to Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) Events. Subjects include signs and symptoms of exposure to CBRNE agents, treatment protocols for contact with these agents, and information about the EMS role in the Incident Command System.

AWR-136 Essentials of Community Cybersecurity

HOURS 4.0 CEU 0.4 The Essentials of Community Cybersecurity (ECCS) course provides individuals, community leaders, and first responders with information on how cyber attacks can impact, prevent, and/or stop operations and emergency responses in a community. The course also provides a cursory introduction to cybersecurity vulnerabilities, risks, threats, and countermeasures. It explains vulnerabilities of computer systems and networks and how these vulnerabilities can affect communities, organizations, and daily workplace operations. The course introduces actions communities can take in establishing a cybersecurity program. The course provides participants with an awareness of issues. It gives an overview of threats and vulnerabilities, without going into too many details, to highlight the potential impact a cyber attack could have. Participants discuss some of the fundamental activities needed to develop a cybersecurity program, without addressing the technical details of how to secure critical infrastructures.

AWR-138-W Network Assurance, Web-based

HOURS 5.0 CEU 0.5 teex.org/nerrtconline The Network Assurance course covers secure network practices necessary to protect networked systems against attacks and exploits. Network security administration topics include firewalls, intrusion detection/prevention, common cryptographic ciphers, AAA (authentication, authorization, and accounting), server and client security, and secure policy generation.

AWR-139-W Digital Forensics Basics, Web-based

HOURS 7.0 CEU 0.7 teex.org/nerrtconline The Digital Forensics Basics course covers investigative methods and standards for the acquisition, extraction, preservation, analysis, and deposition of digital evidence from storage devices. The course offers a wide array of forensics situations that are applicable to the real world. Students will learn how to find traces of illegal or illicit activities left on disk with computer forensics tools and manual techniques, and how to recover data intentionally hidden or encrypted by perpetrators.

AWR-160 Standardized Awareness Training (SAT)

HOURS 8.0 CEU 0.8 Standardized Awareness Training includes facilitated discussions, activities, and case studies. Topics in this course include: Prevention and Deterrence, Identification of Hazardous Materials, the Emergency Response Guide, Chemical Agents, Biological Agents, Radiological Materials, Nuclear Weapons, and Explosive Devices. This course is taught in accordance with the National Fire Protection Association (NFPA) 1072 (2017 Edition), and the Occupational Safety and Health Administration (OSHA) Code of Federal Regulations (CFR) 29 1910.120 (q) (i) (a-f).

AWR-160-F Conocimiento Sobre Armas de Destruccion Masiva/Terrorismo para Socorrista, en linea

HOURS 4.0 CEU 0.4 teex.org/nerrtconline Este curso en linea se centra en la capacitacion a socorristas, a fin cumplir con los requisitos establecidos por la Asociacion Nacional de Proteccion contra el Fuego (National Fire Protection Association, NFPA) 1072 (Ed. 2017), Capitulo 4 "Competencias del personal en nivel introductorio" y la Administracion de Seguridad y Salud Ocupacional (Occupational Safety and Health Administration, OSHA) Codigo de Reglamentaciones Federales (Code of Federal Regulations, CFR) 29 1910.120 (q) (6) (i) (a-f) competencias del "Nivel introductorio de primeros socorristas."

Este curso realiza un abordaje integral de todos los incidentes con Materiales Peligrosos (Hazardous Materials, HazMat), incluidos actos de terrorismo que puedan involucrar materiales para armas de destruccion masiva (Weapons of Mass Destruction, WMD). Proporciona a los participantes el conocimiento para reconocer el material peligroso, auto protegerse, notificar a los demas, y asegurar la escena.

AWR-160-W WMD/Terrorism Awareness for Emergency Responders, Web-based

HOURS 4.0 CEU 0.4 teex.org/nerrtconline The WMD/Terrorism Awareness for Emergency Responders course is designed to provide the participant with knowledge of hazardous materials, weapons of mass destruction and response to incidents involving these materials. This course meets the requirements for Hazardous Materials Awareness Level training and is taught in accordance with the National Fire Protection Association (NFPA) 1072 (2017 Edition), and the Occupational Safety and Health Administration (OSHA) Code of Federal Regulations (CFR) 29 1910.120 (q) (i) (a-f).

AWR-167 Sport Event Risk Management

HOURS 16.0 CEU 1.6 In partnership with University of Southern Mississippi's National Center for Spectator Sports Safety and Security (NCS⁴), the Sport Event Risk Management course focuses on building capabilities for multi-agency collaboration. Intact incident management teams enhance their basic concepts relative to planning, risk assessment, training, exercising plans, and recovery/business continuity through scenario-based training modules. The sport venue teams will be composed of specialists from five distinct areas: law enforcement, sport venue operations, emergency management, fire/HazMat, and emergency medical/health services. The expectation is for these leadership teams to return to their respective sport venues and coordinate development of a sport event security management system.

AWR-168-W Cyber Law and White Collar Crime, Web-based

HOURS 10.0 CEU 1.0 teex.org/nerrtconline The Cyber Law and White Collar Crime course is designed to teach students the fundamentals of computer crime issues from a legal perspective. The training will highlight the various computer crimes and appropriate response by first defenders and others that may encounter these types of issues. Participants learn about legislation and organizational efforts to control or prevent such crimes. The course covers intellectual property law (copyright, trade secrets, unfair competition, and unfair business practices), personal jurisdiction, electronic commerce and software contracts, telecommunications, antitrust, privacy, the right to accuracy of information, the right to access to information, and the First Amendment.

AWR-169-W Cyber Incident Analysis and Response, Web-based

HOURS 10.0 CEU 1.0 teex.org/nerrtconline The Cyber Incident Analysis and Response course covers various incident analysis tools and techniques that support dynamic vulnerability analysis and elimination, intrusion detection, attack protection and network/resources repair. The trainee will be presented with real-world examples and scenarios to help provide knowledge, understanding, and capacity for effective cyber incident analysis and response.

AWR-173-W Information Security Basics, Web-based

HOURS 13.0 CEU 1.3 teex.org/nerrtconline The Information Security Basics course is designed to teach entry and mid-level IT workers the technological fundamentals of information security. The goal of the course is to provide trainees some preliminary knowledge of computer security to help in identifying and stopping various cyber threats. In addition to providing an introduction to information assurance, trainees will also learn general concepts (terminologies), an overview of TCP/IP, introductory network security, introductory operating system security, and basic cryptography.

AWR-174-W Cyber Ethics, Web-based

HOURS 13.0 CEU 1.3 teex.org/nerrtconline The Cyber Ethics course is designed to teach participants the proper techniques with which to approach the difficult ethical dilemmas that arise from using the modern Internet. In addition to providing students with the skills to assess future ethical dilemmas for themselves, Cyber Ethics also looks at some of the more pressing concerns related to Internet usage today. Topics covered include privacy, intellectual property, professional codes of ethics, freedom of speech on the Internet, and issues related to ethical hacking.

AWR-175-W Information Security for Everyone, Web-based

HOURS 10.5 CEU 1.0 teex.org/nerrtconline The Information Security for Everyone course is designed to teach the principles and practices that all computer users need to keep themselves safe, both at work and at home. By presenting best practices along with a small amount of theory, trainees are taught both what to do and why to do it. Topics covered include how to secure both clean and corrupted systems, protecting your personal data, securing simple computer networks, and safe Internet usage.

AWR-176-W Disaster Recovery for Information Systems, Web-based

HOURS 10.0 CEU 1.0 teex.org/nerrtconline This course trains business managers to respond to varying threats that might impact their organization's access to information. The course provides requisite background theory and recommended best practices needed by managers to keep their offices running during incidents of different types. Topics include an overview of business information continuity, guides for implementing and managing a business information continuity plan, a discussion of technical vulnerabilities faced by organizations, and an examination of legal issues that may confront an organization.

AWR-177-W Information Risk Management, Web-based

HOURS 13.0 CEU 1.3 teex.org/nerrtconline The Information Risk Management course covers topics on information assets, identifying risks, and management processes, highlighting best principles and practices. It will provide training in information risk-related tools and technologies (such as asset evaluation, business impact analysis, risk identification, risk quantification, risk response, security policies, and compliance) for better understanding of potential threats and vulnerabilities in business online, and learning to adopt levels of security measures and best practices.

AWR-178-W Secure Software, Web-based

HOURS 9.0 CEU 0.9 teex.org/nerrtconline The Secure Software course covers secure programming practices necessary to secure applications against attacks and exploits. Topics covered include fundamental concepts of secure software development, defensive programming techniques, secure design and testing, and secure development methodologies.

AWR-213 Critical Infrastructure Security and Resilience Awareness

HOURS 8.0 CEU 0.8 The course focuses on local preparedness efforts as they relate to the national approach to critical infrastructure security and resilience. An understanding of the national approach to critical infrastructure enables critical infrastructure stakeholders to address local planning within a common framework. Informed planning is consistent with and expands on nationally accepted emergency management standards as the basis for planning across the mission areas of prevention, protection, mitigation, response, and recovery.

AWR-314-W Medical Countermeasures Awareness for Public Health Emergencies, Web-based

HOURS 3.0 CEU 0.3 teex.org/nerrtconline Medical Countermeasures Awareness for Public Health Emergencies course is a web-based course that enhances community preparedness by providing awareness-level training on the roles and responsibilities of the local public health community and its partners. The course covers local and federal resources and capabilities that may exist to help provide post-exposure prophylaxis for a large population in response to a catastrophic CBRNE or other public health event. It also reviews actions taken by a local jurisdiction during a public health emergency that require response at the local level and deployment of the Strategic National Stockpile (SNS).

AWR-375-W Risk Management for After School Activities and Interscholastic Athletics, Web-based

Hours 6.0 CEU 0.6 teex.org/nerrtconline The Risk Management for After School Activities and Interscholastic Athletics course focuses on developing prevention/mitigation, preparedness, and response strategies for after school activities and interscholastic athletic events. Through interactive online learning modules, participants will develop an increased understanding of risk assessment and management, communications, mitigation and planning, professional development, and best practices. The expectation is for participants to gain an awareness-level knowledge of after school activity and interscholastic athletic event risk management techniques.

AWR-376 Understanding Targeted Cyber Attacks

HOURS 8.0 CEU 0.8 This course provides students with a firm understanding of an advanced persistent threat. This knowledge will place them in a better position to plan for and recover from inevitable cyber attacks. This course will fill the gap in threat-specific training for cybersecurity as a community-driven course that will focus on the Advanced Persistent Threat (APT); describing, analyzing and demonstrating the phases of an APT and the attack methods used. The course will also provide participants with prevention, mitigation, and response techniques that correspond with the cyber kill chain and the NIST cybersecurity framework.

MGT-310 The Threat and Hazard Identification and Risk Assessment and Stakeholder Preparedness Review (THIRA/SPR)

HOURS 16.0 CEU 1.6 The Threat and Hazard Identification and Risk Assessment and Stakeholder Preparedness Review (THIRA/SPR) course prepares participants to conduct a community THIRA/SPR. Participant activities focus on the jurisdictional process for determining the ability to respond to human-caused, natural, and technological disasters. Participants will identify threats and hazards of concern, give the threats and hazards context, examine the core capabilities, set capability targets, and apply the results.

MGT-312 Senior Officials Workshop for All-Hazards Preparedness

HOURS 6.0 CEU 0.6 This course provides a forum for senior officials to understand strategic and executive-level issues related to all-hazard disaster preparedness, to share proven strategies and best practices, and to enhance coordination among whole-of-community officials responsible for emergency preparedness, response, and recovery. This 6-hour workshop emphasizes planning, operational coordination, and public information and warning through extensive group discussions and a tabletop exercise utilizing a scenario designed specifically for the local jurisdiction. Participants then develop an action plan to improve the preparedness posture of their community/organization.

MGT-314 Enhanced All-Hazards Incident Management/Unified Command

HOURS 28.0 CEU 2.8 The Enhanced All-Hazards Incident Management/Unified Command course focuses on incident management skills, staff responsibilities, and the related situational awareness and decision-making skills-using a computer-driven training simulation to offer a challenging decision-making environment in an all-hazards scenario. The course focuses on the Incident Command Post (ICP) and the key decision-making requirements within that response node. Participants learn from the cause and effects of incident decisions while working in an ICP using a simulated, notional jurisdiction. This course focuses on three primary processes: planning, resource management, and information management. There are four rigorous, computer-driven emergency response exercises designed to hone both individual and team-building decision-making and incident management skills. This is a residential course hosted at the Brayton Fire Field Emergency Operations Training Center in College Station, Texas.

MGT-315 Critical Asset Risk Management

HOURS 16.0 CEU 1.6 The Critical Asset Risk Management (CARM) course compliments the Threat and Hazard Identification and Risk Assessment and Stakeholder Preparedness Review course (MGT-310) by teaching participants to conduct thorough site-specific critical infrastructure risk and vulnerability assessments to enhance development of their jurisdictional THIRA/SPR. Through a combination of classroom presentations, group discussions, and practical field application, participants learn methods to identify and prioritize risks, assess vulnerabilities, estimate consequences, and use the National Preparedness Cycle to mitigate risk. Multidisciplinary participant teams visit and assess critical infrastructure facilities selected by the host jurisdiction, identifying risks, vulnerabilities, consequences, and mitigation options specific to their assigned site. Teams then document their findings, develop an action plan, and present their results to the class.

MGT-317 Disaster Management for Public Services

HOURS 16.0 CEU 1.6 The Disaster Management for Public Services course provides a unique opportunity for public service professionals to extend their knowledge and skills necessary for protecting their communities and infrastructure from potential or actual threats. During the course, participants work together in multidisciplinary teams to apply the course information with their professional experience in a variety of hands-on, small group activities and disaster scenarios. This course brings together emergency management personnel who are expected to identify and mitigate hazards and plan and manage disaster response and recovery efforts within their jurisdictions. The course introduces natural and human-caused disasters to which public services may be vulnerable. The course also explains emergency planning and management and the regulatory systems, documents, and directives that guide disaster response. Response factors, such as hazard control zones, resources, and responder safety are also discussed. Recovery considerations, such as funding assistance and demobilization, are also explained.

MGT-318 Public Information in an All-Hazards Incident

HOURS 16.0 CEU 1.6 This course examines the role of public information in managing an all-hazards incident and provides practical training in crisis communication techniques. This two-day course focuses on public information and warning, the Joint Information System and Joint Information Center, target audiences and messaging, the news and social media, and the crisis communication life cycle and plan. The objective of this course is to prepare community leaders, incident managers, and public information officers to effectively communicate with the public through all available means and to manage the elements of public information during a crisis.

MGT-319 Medical Countermeasures: Point of Dispensing (POD), Planning and Response

HOURS 16.0 CEU 1.6 The course is intended for the full spectrum of participants within a community—from volunteers to highly trained, skilled professionals. This course is a two-day workshop and facilitated discussion that covers the roles played by each of the following in distributing resources during a public health emergency: the Center for Disease Control's Division of Strategic National Stockpile; the state, territory, or tribal nation; and the local jurisdiction. The purpose of this course is to enhance jurisdiction preparedness and emergency response efforts by providing the knowledge of how to exercise and revise a plan that utilizes an all-hazards approach towards mass prophylaxis. This course responds directly to the following:

- National Preparedness Goal: "Mass Care Services"
- Role of epidemiology before and during a mass exposure incident
- The contents of the Division of Strategic National Stockpile (DSNS) and the deployment process
- Design capabilities for mass prophylaxis to meet CDC's 48-hour City Readiness Initiative requirements

MGT-340 Crisis Leadership and Decision Making

HOURS 4.0 CEU 0.4 This course uses a variety of case studies, to include four from Harvard University's Kennedy School of Government, to examine the strategic and executive-level issues related to preparing for, responding to, and recovering from a catastrophic incident. This 4-hour seminar uses the case studies to frame the discussion on ways to overcome challenges in planning, decision-making, crisis communications, and recovery associated with a large-scale incident. Using facilitated discussion, the group identifies lessons learned from the senior officials' standpoint, then applies those lessons by developing an individual/jurisdictional action plan designed to enhance their preparedness posture.

MGT-341 Disaster Preparedness for Healthcare Organizations within the Community Infrastructure

HOURS 16.0 CEU 1.6 The course brings together those individuals from the healthcare community who are responsible for ensuring the resiliency of healthcare services during a high consequence or catastrophic event within a jurisdiction. Through a focus on preparedness processes and activities, the course provides an opportunity to acquire the knowledge, skills, and abilities necessary to help them ensure the sustainability of their facilities and organizations during all types of disasters. The course introduces the various natural, technological, and civil hazards to which hospitals and healthcare organizations may be vulnerable, and the potential impacts of those hazards. Federal guidelines and legislation that serve to aid in the preparedness for and response to incidents involving these hazards are discussed, as are current emergency management standards for the hospital community. Participants review response and recovery issues that should be addressed by medical facilities and organizations in preparation for a large scale incident, including identification of critical resources necessary for response and recovery. Essential preparedness activities and the development of a hospital emergency response plan are also discussed, along with the establishment of response strategies based on current capabilities. The course addresses critical infrastructure dependencies, identifies essential planning considerations, and promotes the concept of mutual cooperation as described in the National Response Framework.

MGT-342 Strategic Overview of Disaster Management for Water and Wastewater Utilities

HOURS 4.0 CEU 0.4 The Strategic Overview of Disaster Management for Water and Wastewater Utilities course provides a strategic overview of disaster management for water and wastewater professionals. The course presents information regarding preparing for and responding to natural or man-made disasters that threaten water and wastewater facilities and systems. The course introduces the various natural and man-made (accidental or intentional) disasters to which water and wastewater systems may be vulnerable and the potential effects of disasters. Planning for and responding to disasters that affect drinking water and wastewater systems are also explained. Participants are guided through portions of the Environmental Protection Agency's (EPA) Response Protocol Toolbox (RPTB) to identify steps in the response and recovery processes. Case studies on a variety of disaster incidents, as well as hypothetical situations for water and wastewater incidents, are examined. Participants are also given the opportunity to practice developing a disaster response plan.

MGT-343 Disaster Management for Water and Wastewater Utilities

HOURS 16.0 CEU 1.6 The Disaster Management for Water and Wastewater Utilities course is designed to provide training to water and wastewater professionals on issues concerning preparing for, responding to, and recovering from natural or man-made disasters that threaten water and wastewater facilities and systems. The course introduces the various natural and man-made (accidental or intentional) hazards to which water and wastewater systems may be vulnerable and the potential effects the hazards may induce. Legislation that serves to aid in the planning and response to a natural or man-made incident is discussed along with measures that can mitigate threats to the water and wastewater systems. Participants are guided through portions of the Environmental Protection Agency's (EPA) Response Protocol Toolbox (RPTB) to identify steps in the response and recovery processes. Upon successful completion of the course, participants will be able to identify issues concerning preparing for, responding to, and recovering from incidents affecting water and/or wastewater facilities. Case studies on a variety of disaster incidents, as well as hypothetical situations for water and wastewater incidents, are examined. Participants are also given the opportunity to practice developing a disaster response and recovery plan for a disaster affecting a drinking water or wastewater facility or system.

MGT-345 Disaster Management for Electric Power Systems

HOURS 16.0 CEU 1.6 The Disaster Management for Electric Power Systems course is designed to provide training to electric systems managers, operators, supervisors, and employees to prepare for, protect against, mitigate against, respond to, and recover from threatened or actual natural disasters, acts of terrorism, or other man-made disasters affecting electric power facilities and systems. The course introduces the various natural, technological, and civil hazards to which electric power systems may be vulnerable and the potential effects the hazards may induce. Measures to reduce risk are discussed along with the importance of integrating the full range of capabilities and emergency response organizations when developing a response plan. Participants review the responsibilities of utilities during incident recovery, organize information for presentation to the public and media during an incident, and discuss planning activities involved in disaster planning.

MGT-346 Emergency Operations Center (EOC) Operations and Planning for All-Hazards Events

HOURS 24.0 CEU 2.4 The Emergency Operations Center (EOC) Operations and Planning for All-Hazards Events course offers training and practical experience with emergency management and decision-making skills necessary to effectively manage an EOC and the overall response to a large-scale Type 3 or 2 all-hazards event utilizing the multi-agency coordination system (MACS). The course develops and reinforces the emergency management, situational awareness, planning, information management, resource management processes and decision-making skills for course participants. The course adapts existing (National Incident Management System [NIMS]/Incident Command System (ICS) emergency management procedures to the unique requirements of EOC operations. Participants will learn the key functions and processes needed to effectively and efficiently manage EOC operations in a large-scale incident. Participants are coached by instructors from across the country who have emergency management experience in EOC operations. They use multi-agency coordination, concepts, processes, and procedures and focus on key information management, resources coordination and situational awareness requirements within the EOC. The participants gain practical experience via scenario-based exercises that exercise the key processes taught in the course. Each participant gains a better understanding of the management requirements and skills necessary to effectively function as a member of an EOC during a large-scale event. Participants will respond to a simulated expanding Type 3 incident that include mass-fatalities, mass evacuations, and mass care of displaced citizens. Participants will communicate by radio with responders in the field and direct site security and search and rescue operations. These scenarios provide a truly unique opportunity to actually apply the skills necessary to work in an operational EOC.

MGT-347 Incident Command System (ICS) Forms Review

HOURS 4.0 CEU 0.4 The Incident Command System (ICS) Forms Review course provides a detailed introduction to emergency response supervisors and mid- to upper-level managers to the Incident Command System (ICS) forms used in the development of an Incident Action Plan/Emergency Operations Center-Action Plan (EOC-AP). Participants will examine the primary forms used in an EOC-AP, as well as supporting and other utility forms. In addition, participants will review the planning process and where, within that process, the forms are filled out and by whom. The workshop includes a practical application designed to instruct participants in the development of Specific, Measurable, Action-oriented, Realistic, and Time-based (SMART) control and management objectives.

MGT-348 Medical Preparedness and Response for Bombing Incidents

HOURS 16.0 CEU 1.6 The Medical Preparedness and Response for Bombing Incidents course brings together essential personnel who would be involved in the medical response to an explosive incident. This dual audience/dual level course was developed and is delivered by TEEEX/NERRTC and the New Mexico Institute of Mining and Technology (New Mexico Tech) Energetic Materials Research and Testing Center (EMRTC). The course consists of two sections, Management and Planning level and Performance level. The Management and Planning level section focuses on pre-incident indications of bombing incidents, bombing incident scene safety and security, and resource management for bombing incidents. In addition to these topics, the Performance level section focuses on bombing incident injury patterns and treatment, managing the medical response for bombing incidents, and the planning, training, and exercise cycle for bombing incidents. Upon successful completion of the course, participants will be able to deliver and sustain a safe and effective medical response to bombing incidents. Participants will have respect for the destructive potential and dangers associated with medical response to bombings and will be motivated to better prepare their agencies and jurisdictions to respond to this emerging threat.

MGT-361 Managing Critical Incidents at Institutions of Higher Education: A Whole Community Approach (Customized version MGT-361-C)

HOURS 24.0 CEU 2.4 The Managing Critical Incidents at Institutions of Higher Education: A Whole Community Approach course provides higher education campus administrators, campus emergency management teams, and their community partners a forum to address the full-spectrum of emergency preparedness – prevention, protection, mitigation, response, and recovery – as it relates to critical incidents affecting college campuses. It places specific emphasis on the unique aspects and challenges associated with higher education institutions. Participants learn to effectively manage a critical incident by applying an all-hazards, multi-disciplinary, community approach based on the National Incident Management System's (NIMS) Incident Command System (ICS). The course is delivered through a combination of lecture and team activities, and culminates with an instructor-led, role-play exercise customized to the community in which the course is delivered.

MGT-384 Community Preparedness for Cyber Incidents

HOURS 12.0 CEU 1.2 The Community Preparedness for Cyber Incidents course is designed to provide an awareness of how cyber events can impact a community, an Emergency Operations Center, and our daily lives. In this course, participants will discover the roles and responsibilities needed to detect, prevent, and respond to a cybersecurity incident. Using past cyber events, participants will explore how the EOC and community would plan for and manage information and resources needed for a cyber event and understand how cyber incidents can be used to affect, disrupt, and/or complicate emergency responses.

MGT-385 Community Cybersecurity Exercise Planning

HOURS 12.0 CEU 1.2 The Community Cybersecurity Exercise Planning course is designed to introduce cyber to exercise planners to help them recognize the nature and reach of cyber, so they can better help their communities prevent, detect, respond to, and recover from cyber incidents. Participants will recognize how cyber can be incorporated into exercises in a meaningful way. Participants will be introduced to cyber topics and how cyber can impact the business operations of an organization and community. Lectures and activities will explore objectives, players, cyber injects, and challenges to incorporating cyber into exercises. Participants will be exposed to many possible injects and scenarios that can be used in an exercise, and begin development of a community cybersecurity tabletop exercise. The Community Cybersecurity Maturity Model (CCSMM) will be used to examine the contribution of exercises to a community's overall cybersecurity posture. This course teaches planning personnel how to include cyber components in their regular planning process. Participants will be given the opportunity to plan cyber components for future community cybersecurity exercises.

MGT-404 Sports and Special Events Incident Management

HOURS 16.0 CEU 1.6 The Sports and Special Events Incident Management course develops athletic department staff, facility management personnel, campus public safety personnel, emergency response supervisors, and others involved in sports and special event management to better prepare for, manage, and recover from incidents that could occur during a sporting event or other special event. This course was developed in partnership with the University of Southern Mississippi's National Center for Spectator Sports Safety and Security (NCS⁴). The course provides participants the skills necessary to effectively identify risk and mitigation strategies; manage incidents by applying and implementing incident management planning and resource management principles through a multi-disciplinary management team approach as described in the National Incident Management System (NIMS); and identify techniques that can improve the resiliency of the event venue. The course has specific emphasis on the unique aspects of response to an incident occurring during a sports and special event, including considerations for business continuity and after-action activities. The course concludes with a practical application, role-play exercise that is customized to the area in which the course is delivered.

MGT-412 Sport Venue Evacuation and Protective Actions

HOURS 15.0 CEU 1.5 In partnership with University of Southern Mississippi's National Center for Spectator Sports Safety and Security (NCS⁴), the Sport Venue Evacuation and Protective Actions course helps sport and special event venues and event management personnel prepare and/or enhance their event action plan for emergency responders. These flexible and scalable measures for evacuation and sheltering-in-place can be used in isolation or in response to a large, multi-agency response initiative. This innovative course helps venue operators, first responders, emergency managers, law enforcement, contractors, promoters, and owners of events to collaborate on evacuation and sheltering plans with actionable decision criteria that can be adapted for almost any event.

MGT-414 Advanced Critical Infrastructure Protection

HOURS 8.0 CEU 0.8 The purpose of this management level course is to extend the knowledge, skills, and abilities developed in the awareness level course Critical Infrastructure Security and Resilience Awareness (AWR-213) and to formulate considerations for the resilience of jurisdictional assets by leveraging cross-sector partnerships. As part of a resilience action plan, these considerations will enhance the whole community's ability to manage the risk associated with critical infrastructure protection efforts.

MGT-418 Readiness: Training Identification and Preparedness Planning

HOURS 16.0 CEU 1.6 Readiness: Training Identification and Preparedness Planning teaches participants how to create effective training plans for their agencies and jurisdictions using an approach that includes the whole community. By evaluating their abilities to meet their emergency operations plans (EOP) using traditional and national preparedness tools, participants can answer the following critical readiness questions:

- How prepared do we need to be?
- How prepared are we?
- How do we prioritize efforts to close the difference?

Agencies that plan and train together are much better equipped to successfully respond together. In this course, participants will learn a jurisdiction training assessment process in which an integrated assessment team creates a jurisdictional profile and evaluates their abilities to fully implement their EOP. Participants will then be able to identify and catalog training goals and identify ways to meet them by prioritizing training efforts, developing improvement plans, and implementing a course of action.

MGT-439 Pediatric Disaster Response and Emergency Preparedness

HOURS 16.0 CEU 1.6 This course prepares students to effectively, appropriately, and safely plan for and respond to a disaster incident involving children, addressing the specific needs of pediatric patients in the event of a community-based incident. Pediatric-specific planning considerations include mass sheltering, pediatric-triage, reunification planning, and pediatric decontamination considerations. This is not a hands-on technical course, but instead a management resource course for stakeholders such as pediatric physicians, emergency managers, emergency planners, and members of public emergency departments like EMS, Fire, Police, Public Health, and Hospitals in the field of disaster response and preparedness work.

MGT-440 Enhanced Sports and Special Events Incident Management

HOURS 24.0 CEU 2.4 The Enhanced Sports and Special Events Incident Management course is a scenario-based practicum of three primary areas within the field of sports and special events management: a) incident management, b) crowd and evacuation management, and c) crisis information management. The course is intended to prepare emergency responders as well as event management personnel, concessionaries, athletic department personnel, and elected and chief executives who would be involved in the preparation for and response to a large-scale incident during sporting or special events. There are three rigorous, simulation-supported, scenario-based emergency response activities designed to hone both individual and team decision-making and incident management skills in the context of sports and special events operations.

MGT-452 Physical and Cybersecurity for Critical Infrastructure

HOURS 8.0 CEU 0.8 The national and economic security of the United States depends on the reliable functioning of critical infrastructure. This course encourages collaboration efforts among individuals and organizations responsible for both physical and cybersecurity toward development of integrated risk management strategies that lead to enhanced capabilities necessary for the protection of our Nation's critical infrastructure. Participants will identify physical and cybersecurity concerns impacting overall infrastructure security posture, examine integrated physical and cybersecurity incidents and the evolving risks and impacts they pose to critical infrastructure, and explore resources that can be applied to improve security within an organization, business, or government entity.

MGT-466 Sport and Special Event Enhanced Risk Management and Assessment

HOURS 15 CEU 1.5 Sports and special events often operate through a principle of open public access or providing fan-friendly environments for high-population densities, which can increase the vulnerability to intentional attacks. In addition, venues and events are recognizable, increasing the potential attractiveness to an adversary. No communities are immune to the natural, technological, or human-caused threats facing their sports and special events. Any disruption to these facilities or events could have major short- and long-term impacts on the sponsoring organization as well as the hosting community: resulting in significant economic and reputation damage. The course goal is to bring together first responders, government, and commercial facilities personnel in an effort to protect these critical pieces of community infrastructure.

MGT-467 Sport and Special Event Public Information and Emergency Notification

HOURS 16.0 CEU 1.6 The Sport and Special Event Public Information and Emergency Notification course brings planners; operators; communication professionals; and government, public safety, and marketing professionals together in an effort to prepare and/or enhance venue and event communication programs. The methodologies and techniques used to deliver timely and accurate information in a complex, dynamic information environment is challenging to any community or organization hosting a mass gathering. The course prescribes best practices to common communication pitfalls and provides flexible and scalable solutions to a wide range of scenarios. The training leverages a combination of exercises, discussions, and activities to optimize participant experience.

MGT-904 Intermediate ICS for Expanding Incidents (ICS-300)

HOURS 21.0 CEU 2.1 The Intermediate ICS for Expanding Incidents course provides training on and resources for personnel who require advanced application of the Incident Command System (ICS). The course expands upon information covered in Introduction to Incident Command System (ICS-100) and ICS for Single Resources and Initial Action Incidents (ICS-200). Topics covered in the course include ICS staffing and organization, reporting and working relationships, information flow, transfer of command, unified command functions in a multi-jurisdictional or multi-agency incident, ICS forms, resource management, and interagency mission planning and procurement.

MGT-905 Advanced ICS Command and General Staff-Complex Incidents (ICS-400)

HOURS 15.0 CEU 1.5 The Advanced ICS Command and General Staff-Complex Incidents course is designed to provide training and resources for personnel who require advanced application of the Incident Command System (ICS). The course expands upon information covered in Introduction to Incident Command System (ICS-100), ICS for Single Resources and Initial Action Incidents (ICS-200), and Intermediate ICS for Expanding Incidents (ICS-300). Topics include a fundamental review for Command and General Staff, major and/or complex incident/event management, area command, multi-agency coordination, and final tabletop exercise.

MGT-906 Incident Command System Curricula, Train-the-Trainer (L449)

HOURS 32.0 CEU 3.2 The Incident Command System Curricula, Train-the-Trainer course prepares participants to deliver the FEMA Emergency Management Institute's ICS curricula. While the Introduction to Incident Command System (ICS-100) and ICS for Single Resources and Initial Action Incidents (ICS-200) courses are addressed, the major emphasis is on Intermediate ICS for Expanding Incidents (ICS-300) and Advanced ICS Command and General Staff-Complex Incidents (ICS-400). This course is intended for experienced personnel who are conversant and subject matter experts in ICS-100, -200, -300 and -400 curricula. The course is intended to reinforce the multi-discipline team approach and instructional techniques.

PER-211 Medical Management of Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) Events

HOURS 16.0 CEU 1.6 The Medical Management of Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) Events course prepares the participant to effectively, appropriately, and safely plan for, and respond to, a CBRNE incident using an all-hazards approach that can be adapted to natural disasters as well. CBRNE can be a perpetrated, a natural, or an accidental event. The course is intended to assist state and local jurisdictions in developing an all-hazards, multi-disciplined team-based approach capable of responding to a large-scale or expanding incident, including a CBRNE event. This course addresses several national priorities and capabilities that the U.S. Department of Homeland Security (DHS) encourages state and local jurisdictions to establish, as outlined in the National Planning Scenarios, Presidential Policy Directive 8 (PPD-8), National Preparedness Goal, and the Core Capabilities. Upon course successful completion, participants will possess a working knowledge of local, state, and federal agency roles and responsibilities and an understanding of the medical emergencies they will face in a full-scale event. Participants will be able to prepare for and respond to the emergency medical needs resulting from a CBRNE/terrorist incident using an all-hazards approach.

PER-212 Operational Level Response to HazMat/WMD Incidents

HOURS 24.0 CEU 2.4 The Operational Level Response to HazMat/WMD Incidents course provides a detailed introduction to Hazardous Materials (HazMat)/WMD incidents for operations-level responders, such as firefighters, police, emergency health care workers, National Guard, CERFP, and CST members. This course is based on National Fire Protection Association (NFPA) 1072 (2017) consensus standard operations-level core competencies and Personal Protective Equipment (PPE) mission-specific competency, as well as Occupational Safety and Health Administration (OSHA) (29 Code of Federal Regulations [CFR] 1910.120) (q) (i) (a-f) and Environmental Protection Agency (EPA) (40 CFR Part 311) response regulations. Upon the successful completion of this course, participants will have the knowledge and skills required for certification according to NFPA 1072, Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents (2017 edition) (operations level and mission-specific competencies for PPE). Participants who successfully complete the course and pass the optional written and skills test will receive National Board on Fire Service Professional Qualifications (Pro Board®) certification.

PER-212-1 Operational Level Response to HazMat/WMD Incidents, Train-the-Trainer

HOURS 24.0 CEU 2.4 The Operational Level Response to HazMat/WMD Incidents, Train-the-Trainer course (PER-212-1) focuses on training qualified candidates to teach the Operational Level Response to HazMat/WMD Incidents (PER-212) course under a TEEEX memorandum of agreement (MOA). Upon completion, participants will be prepared to teach responders in their jurisdiction how to respond to a hazardous materials/weapons of mass destruction (WMD) incident and how to preclude the spread of the hazard to the public and the environment using the PER-212 course curriculum.

PER-213 Wide Area Search

HOURS 24.0 CEU 2.4 The Wide Area Search course is designed to provide training for search responders to effectively conduct wide area searches necessary due to natural disasters or man-made incidents. The course introduces the knowledge, skills, and abilities to perform wide area searches at a disaster incident site. The course uses the 2007 Greensburg, Kansas, tornado as a case study to demonstrate the various teaching points. The course concludes with a culminating event tabletop exercise that requires participants to utilize all the skills introduced throughout the course.

PER-334 When Disaster Strikes: Prepare, Act, Survive

HOURS 12.0 CEU 1.2 The When Disaster Strikes: Prepare, Act, Survive course is designed to prepare individuals who may be directly affected by a disaster to help themselves, their family, and other community members. Participants will learn how to develop a family preparedness plan, practice self-rescue, perform search and light rescue techniques, and understand the recovery process. This training does not qualify the participants to serve in an emergency responder role.

PER-352 Active Shooter Incident Management (16-Hour)

HOURS 16.0 CEU 1.6 The ASIM course shows Law Enforcement, Fire, and EMS personnel how to be faster, work as one team, and save every life that can be saved in Active Shooter Events. This intensive 2-day, hands-on course trains a model framework for managing active shooter incidents that is focused on speed. Participants learn and then perform in seven (7) increasingly difficult scenarios, rotating through numerous roles such as Command, Law Enforcement Branch, Medical Branch, Tactical, Triage, Transport, Staging, Intelligence, and others. The full-scale scenarios start with dispatch of responders and continue through last patient transported or beyond. A hotwash with performance data measures is conducted after each scenario to identify lessons learned and improvements to apply in the next scenario. The first scenario is a single, easy-to-neutralize shooter with fewer than 6 wounded persons. Scenarios increase in difficulty to include dozens wounded, multiple attackers, and simultaneous attack of multiple sites (i.e. Complex Coordinated Attack). Topics include the profile of a typical active shooter event, model response framework, incident management, integrating law enforcement and medical teams down range, contact teams, rescue task force, staging, communications, intelligence, public information, reunification, and more. The target audience is 55 participants: 30 law enforcement, 20 fire/EMS, 3 dispatch, and 2 PIOs.

PER-353 Active Shooter Incident Management (24-Hour)

HOURS 24.0 CEU 2.4 The ASIM course shows Law Enforcement, Fire, and EMS how to be faster, work as one team, and save every life that can be saved in Active Shooter Events. This intensive 3-day, hands-on course trains a model framework for managing active shooter incidents that is focused on speed. Participants learn and then perform in eleven (11) increasingly difficult scenarios, rotating through numerous roles such as Command, Law Enforcement Branch, Medical Branch, Tactical, Triage, Transport, Staging, Intelligence, and others. The full-scale scenarios start with dispatch of responders and continue through last patient transported or beyond. A hotwash with performance data measures is conducted after each scenario to identify lessons learned and improvements to apply in the next scenario. The first scenario is a single, easy-to-neutralize shooter with fewer than 6 wounded persons. Scenarios increase in difficulty to include dozens wounded, multiple attackers, and simultaneous attack of multiple sites (i.e. CCA - Complex Coordinated Attack). Additional scenarios include responding to Active Shooter Events involving Improvised Explosive Devices (IEDs), hostage/barricade situations, and a capstone scenario event. Topics include the profile of a typical active shooter event, model response framework, incident management, integrating law enforcement and medical teams down range, contact teams, rescue task force, staging, communications, intelligence, public information, reunification, IED, hostage/barricade, case studies, and more. The target audience is 60 participants: 30 law enforcement, 20 fire/EMS, 5 dispatch, 3 PIOs, and 2 emergency managers.

Note: This 3-day course includes all content from PER-352 plus 4 additional scenarios, IEDs, hostage/barricade, case studies, and a CCA Capstone scenario event.



NNSA/CTOS-Center for Radiological/Nuclear Training



CTOS-Center for Radiological/Nuclear Training program located at the Nevada National Security Site (NNSS) is the consortium's lead partner for Radiological/Nuclear Weapons of Mass Destruction Counter Terrorism training. A founding member of the National Domestic Preparedness Consortium (NDPC), CTOS has proudly trained First Responders since its inception in 1998. CTOS training prepares state, local, and tribal responders to take immediate, decisive action in preventing or responding to terrorist use of a radiological/nuclear weapon of mass destruction (WMD).

CTOS conducts realistic hands-on training using actual radioactive material through Mobile Training Teams across the United States and territories. We also offer training at the Nevada National Security Site (NNSS), formerly the Nevada Test Site located 65 miles northwest of Las Vegas, Nevada. The NNSS environment provides realistic radiological/nuclear training scenarios and is a unique and exclusive learning opportunity for the First Responders. Operating under the oversight of the U.S. Department of Energy's National Nuclear Security Administration and funded through U.S. Department of Homeland Security, CTOS is proud to serve the Nation's First Responder community.

ctosnnsa.org 877.963.2867

| COURSE NUMBER | NNSA/CTOS-CENTER FOR RADIOLOGICAL/NUCLEAR TRAINING COURSE NAME | HRS | CEU | PG |
|---------------|--|------|-----|-----|
| AWR-140 | Introduction to Radiological/Nuclear WMD Operations | 4.0 | 0.0 | 5-2 |
| AWR-140-1 | Introduction to Radiological/Nuclear WMD Operations Train-the-Trainer Course | 7.0 | 0.0 | 5-2 |
| AWR-140-W | Introduction to Radiological/Nuclear WMD Operations, Web-based | 4.0 | 0.0 | 5-3 |
| AWR-346 | Introduction to Radiological/Nuclear WMD Operations for Law Enforcement | 4.0 | 0.0 | 5-3 |
| AWR-346-1 | Introduction to Radiological/Nuclear WMD Operations for Law Enforcement Train-the-Trainer Course | 7.0 | 0.0 | 5-3 |
| AWR-350 | Introduction to Radiological/Nuclear WMD Operations for Emergency Medical Services/Healthcare | 4.0 | 0.0 | 5-3 |
| AWR-350-1 | Introduction to Radiological/Nuclear WMD Operations for Emergency Medical Services/Healthcare Train-the-Trainer Course | 7.0 | 0.0 | 5-3 |
| PER-243 | Primary Screener/Personal Radiation Detector | 7.0 | 0.0 | 5-3 |
| PER-245 | Secondary Screener/Radiation Isotope Identifier Device | 7.0 | 0.0 | 5-3 |
| PER-246 | PRND Backpack Operations for the Primary Screener | 4.0 | 0.0 | 5-4 |
| PER-300 | Primary Screener/Personal Radiation Detector Refresher | 2.0 | 0.0 | 5-4 |
| PER-300-W | Primary Screener/Personal Radiation Detector Refresher, Web-based | 2.0 | 0.0 | 5-4 |
| PER-307 | Introduction to Improvised Nuclear Device Effects and Response Strategies | 4.0 | 0.0 | 5-4 |
| PER-307-W | Introduction to Improvised Nuclear Device Effects and Response Strategies, Web-based | 3.0 | 0.0 | 5-4 |
| PER-318 | Preventive Radiological/Nuclear Detection (PRND) Team Operations | 28.0 | 0.0 | 5-4 |
| PER-332 | Population Monitoring at Community Reception Centers | 7.0 | 0.0 | 5-4 |
| PER-345 | Radiation Instruments Operations | 4.0 | 0.0 | 5-4 |
| PER-347 | Personal Protective Equipment–Mission Specific Competencies | 7.0 | 0.0 | 5-5 |
| PER-348 | Operations Level Response to Radiological/Nuclear WMD | 7.0 | 0.0 | 5-5 |
| PER-349 | PRND Backpack Refresher | 2.0 | 0.0 | 5-5 |
| PER-350 | Preventive Radiological/Nuclear Detection Maritime Operations | 21.0 | 0.0 | 5-5 |
| PER-351 | Preventive Radiological/Nuclear Detection Team Leader | 14.0 | 0.0 | 5-5 |
| PER-354 | Response to Radiological/Nuclear WMD Incidents | 24.0 | 0.0 | 5-5 |
| PER-355 | Radiation Instruments Employment | 4.0 | 0.0 | 5-5 |
| PER-370 | Operations Level Response to Radiological/Nuclear WMD for Emergency Medical Services/Healthcare | 7.0 | 0.0 | 5-5 |
| PER-377 | Nuclear Detonation Response Operations | 7.0 | 0.0 | 5-6 |
| PER-378 | Radiological Operations Support Specialist Training | 28.0 | 0.0 | 5-6 |

AWR-140 Introduction to Radiological/Nuclear WMD Operations

HOURS 4.0 CEU 0.0 AWR-140 provides First Responders and others in response or support mission roles with an introduction to radiological/nuclear Weapon of Mass Destruction (WMD) operations. This course—which aligns with the Awareness level and Operations level competencies of National Fire Protection Association (NFPA®) 472, Standard for Professional Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents—also provides fundamental knowledge in threat or incident recognition, protective measures, notifications, and incident area management.

AWR-140-1 Introduction to Radiological/Nuclear WMD Operations Train-the-Trainer Course

HOURS 7.0 CEU 0.0 AWR-140-1 prepares trainers to deliver the AWR-140 Introduction to Radiological/Nuclear WMD Operations. AWR-140-1 provides First Responders and others in response or support mission roles with an introduction to radiological/nuclear Weapon of Mass Destruction (WMD) operations.

AWR-140-W Introduction to Radiological/Nuclear WMD Operations, Web-based

HOURS 4.0 CEU 0.0 www.nts-ctos.com AWR-140-W provides First Responders and others in response or support mission roles with an introduction to radiological/nuclear Weapon of Mass Destruction (WMD) operations. This course also provides fundamental knowledge in threat or incident recognition, protective measures, notifications, and incident area management.

AWR-346 Introduction to Radiological/Nuclear WMD Operations for Law Enforcement

HOURS 4.0 CEU 0.0 AWR-346 provides Law Enforcement with fundamental knowledge in two distinct mission spaces related to radiological/nuclear threats: the Preventive Radiological/Nuclear Detection (PRND) mission and the response mission. PRND mission training covers program structure, operational modes, and federal assets. Response mission training provides an overview of threat or incident recognition, protective measures, notifications, and scene site management during a radiological/nuclear WMD incident as they relate to Law Enforcement operations.

AWR-346-1 Introduction to Radiological/Nuclear WMD Operations for Law Enforcement Train-the-Trainer Course

Hours 7.0 CEU 0.0 AWR-346-1 prepares trainers to deliver the AWR-346 Introduction to Radiological/Nuclear WMD Operations for Law Enforcement. AWR-346-1 provides Law Enforcement with fundamental knowledge in two distinct mission spaces related to radiological/nuclear threats: the Preventive Radiological/Nuclear Detection (PRND) mission and the response mission.

AWR-350 Introduction to Radiological/Nuclear WMD Operations for Emergency Medical Services/Healthcare

HOURS 4.0 CEU 0.0 AWR-350 provides Emergency Medical Services (EMS) and Medical Healthcare personnel with the situational awareness of response operations that will be encountered during a radiological or nuclear incident. This course also 1) provides an introduction to radiation and to radiological/nuclear WMDs and 2) develops fundamental knowledge related to radiological/nuclear threats, which includes an overview of threat recognition and protective measures.

AWR-350-1 Introduction to Radiological/Nuclear WMD Operations for Emergency Medical Services /Healthcare Train-the-Trainer Course

Hours 7.0 CEU 0.0 AWR-350-1 prepares trainers to deliver the AWR-346 Introduction to Radiological/Nuclear WMD for Emergency Medical Services/Healthcare Providers. AWR-350-1 provides Emergency Medical Services (EMS) and Medical Healthcare personnel with the situational awareness of response operations that will be encountered during a radiological or nuclear incident.

PER-243 Primary Screener/Personal Radiation Detector

HOURS 7.0 CEU 0.0 PER-243 provides the Primary Screener with training to perform a preliminary radiological assessment with a Personal Radiation Detector (PRD). Training also includes operating a PRD to detect radiation, locate a source, measure radiation levels, assess the threat status of a situation, categorize threats, and adjudicate alarms.

PER-245 Secondary Screener/Radiation Isotope Identifier Device

HOURS 7.0 CEU 0.0 PER-245 provides the Secondary Screener with training to operate Radio Isotope Identification Devices (RIIDs) to detect radiation, locate the source, measure radiation levels, identify radioactive isotopes, assess the threat status of a situation, and adjudicate the alarms by categorizing threats, performing reachback, and resolving alarms.

PER-246 PRND Backpack Operations for the Primary Screener

HOURS 4.0 CEU 0.0 PER-246 provides the Primary Screener with training in the basic operation and employment of the Backpack Radiation Detection system, which includes radiological material detection and assessment involving people, packages, vehicles, and facilities. This course enables PRND personnel assigned Primary Screener duties to operate the Backpack systems, which provide increased capability and sensitivity.

PER-300 Primary Screener/Personal Radiation Detector Refresher

HOURS 2.0 CEU 0.0 PER-300 provides refresher training to Primary Screeners who have successfully completed the Instructor led PER-243 Primary Screener/Personal Radiation Detector Course. This course emphasizes crucial training points from PER-243, while reviewing the knowledge and skills required in the operation and employment of a PRD during the initial detection of radioactive materials in varying scenarios.

PER-300-W Primary Screener/Personal Radiation Detector Refresher, Web-based

HOURS 2.0 CEU 0.0 www.nts-ctos.com PER-300-W provides refresher training to Primary Screeners who have successfully completed the Instructor led PER-243 Primary Screener/Personal Radiation Detector Course. This course emphasizes crucial training points from PER-243, while reviewing the knowledge and skills required in the operation and employment of a PRD during the initial detection of radioactive materials in varying scenarios.

PER-307 Introduction to Improvised Nuclear Device Effects and Response Strategies

HOURS 4.0 CEU 0.0 PER-307 provides overviews of the expected Improvised Nuclear Device (IND) detonation effects in a major U.S. city with current preplanning guidance and response strategy recommendations to maximize the preservation of life. The course provides First Responders, Key Leaders, Emergency Planners, and support personnel with IND-specific response guidance including recognition, immediate actions, response planning, damage zones, fallout/radiation hazards, and shelter and evacuation strategies.

PER-307-W Introduction to Improvised Nuclear Device Effects and Response Strategies, Web-based

HOURS 3.0 CEU 0.0 www.nts-ctos.com PER-307-W provides overviews of the expected Improvised Nuclear Device (IND) detonation effects in a major U.S. city with current preplanning guidance and response strategy recommendations to maximize the preservation of life. The course provides First Responders, Key Leaders, Emergency Planners, and support personnel with IND-specific response guidance including recognition, immediate actions, response planning, damage zones, fallout/radiation hazards, and shelter and evacuation strategies on a web-based platform

PER-318 Preventive Radiological/Nuclear Detection (PRND) Team Operations

HOURS 28.0 CEU 0.0 PER-318 provides both Primary and Secondary Screeners with the skills to maximize PRND equipment capabilities while efficiently and effectively executing essential tasks to protect and secure critical infrastructure, large venues, and special events using National Incident Management System (NIMS) typed teams. Drills are based on specific competencies, behaviors, and tasks leveraging typed personnel, equipment, and teams

PER-332 Population Monitoring at Community Reception Centers

HOURS 7.0 CEU 0.0 PER-332 provides fundamental knowledge and situational awareness to safely and effectively perform or assist population-monitoring duties at Community Reception Centers (CRCs) or similar facilities after a radiological/nuclear incident has occurred.

PER-345 Radiation Instruments Operations

HOURS 4.0 CEU 0.0 PER-345 provides instrument operation skills needed by First Responders when responding to a radiological or nuclear incident as well as a general overview of detection equipment, including selection and general operation. Training encompasses the basic operations of dosimeters, PRDs, Human-Portable Radiation Detectors (Backpacks), survey meters, portal monitors, and RIIDs. This course also enables First Responders to select the appropriate instrument operation in the performance of that mission.

PER-347 Personal Protective Equipment–Mission Specific Competencies

HOURS 7.0 CEU 0.0 PER-347 aligns with NFPA® 472, Chapter 6.2 and demonstrates the use of essential PPE for response mission operations involving Hazardous Materials (Hazmat). This course provides an in-depth inspection of available PPE including determining uses and proper hazard based PPE selection. These competencies have been identified for the Operations Level Responder assigned to use PPE at a Hazmat WMD incident.

PER-348 Operations Level Response to Radiological/Nuclear WMD

HOURS 7.0 CEU 0.0 PER-348 is designed for response mission operations and personnel who have little or no training in radiological/nuclear emergency WMD response. This course provides First Responders with fundamental knowledge regarding mission spaces related to radiological/nuclear threats. The response mission area includes an overview of radiological instruments and protective measures, such as Personal Protective Equipment (PPE) and decontamination (i.e., Emergency, Gross, Mass, and Technical).

PER-349 PRND Backpack Refresher

HOURS 2.0 CEU 0.0 PER-349 provides refresher training on the basic operation and employment of the Backpack Radiation Detection system to detect, locate, measure, and assess the radiation level of unknown radiological materials on/in people, packages, vehicles, and facilities.

PER-350 Preventive Radiological/Nuclear Detection Maritime Operations

HOURS 21.0 CEU 0.0 PER-350 establishes a standardized operational understanding of small vessel maritime PRND operations, and provides the skills necessary to execute missions safely and effectively. Participants, working as a crew team, will demonstrate proficiency in primary and secondary screening, safety and tactical positioning, chokepoint setup and operation, and area sweeps in the maritime environment. Drills are based on specific competencies, behaviors, and tasks leveraging NIMS typed personnel, equipment, and teams.

PER-351 Preventive Radiological/Nuclear Detection Team Leader

Hours 14.0 CEU 0.0 PER-351 utilizes real world scenarios, the Participants will plan Preventive Radiological/Nuclear Detection (PRND) operations using the Incident Command System (ICS) and National Incident Management System (NIMS) typed resources. The Incident Action Plan (IAP) format - with applicable ICS forms - will be utilized. Missions will include chokepoints, checkpoints, area, and facility sweeps. The scenarios will range in size from single resource assignments through a Special Event Assessment Rating (SEAR) one (1) or two (2) event with nationally deployed assets. The Participant will be able to demonstrate the supervisory skills required for the Team Leader position, and proficiency in the performance of the duties associated with the position, as outlined in the NIMS typing documents.

PER-354 Response to Radiological/Nuclear WMD Incidents

HOURS 24.0 CEU 0.0 PER-354 aligns with NFPA 472®, Annex D, Competencies for Operations Level Responders Assigned Radiological Agent-Specific Tasks and provides the baseline response capability to safely respond to incidents involving a Radiological Exposure Device (RED), a Radiological Dispersal Device (RDD), or an IND.

PER-355 Radiation Instruments Employment

HOURS 4.0 CEU 0.0 PER-355 applies to both prevent and response mission areas. This class uses a series of drills to reinforce the skills of Emergency Responders previously trained to use radiation detection instruments.

PER-370 Operations Level Response to Radiological/Nuclear WMD for Emergency Medical Services/Healthcare

Hours 7.0 CEU 0.0 PER-370 provides response level training to those Participants, who could provide medical services during a radiological/nuclear incident. The goal of the training is to increase the Participant's essential knowledge on how to respond to a radiological/nuclear WMD incident in the safest manner possible for themselves and the victims. The course will provide the Participant with information on how to work in a radiologically contaminated environment and how to best help radiologically contaminated victims.

PER-377 Nuclear Detonation Response Operations

Hours 7.0 CEU 0.0 PER-377 provides the Participants with advanced knowledge, and methodologies needed for response to an incident involving a nuclear weapon or nuclear device. It provides the foundational knowledge on radiological/nuclear concepts, potential radiological/nuclear Weapon of Mass Destruction (WMD) threats, their effects, and response strategies.

PER-378 Radiological Operations Support Specialist Training

Hours 28 CEU 0.0 PER-378 trains radiological specialists to become candidates for the position of Radiological Operations Support Specialist (ROSS). A ROSS is a State and local Subject Matter Expert tasked with identifying and providing critical information pertaining to radiological or nuclear incidents to responders, Key Leaders, and decision makers in an Incident Command System environment. The ROSS will assist the Incident Commander and Key Leaders by making the technical aspects of a coordinated response clear and understandable to all State and local stakeholders.



National Disaster Preparedness Training Center



The National Disaster Preparedness Training Center (NDPTC) at the University of Hawaii at Manoa became the newest member of the NDPC in 2010. The focus areas of the NDPTC are natural hazards and coastal communities. NDPTC offers mobile training in jurisdictions across the country on natural hazards and disasters, with a special concentration on coastal communities, planning tools and techniques, decision support tools, and recovery planning.

The overall goal of the NDPTC is to assist in addressing the needs of the nation for disaster preparedness, response, recovery, and mitigation. NDPTC develops and delivers training and education for a variety of disciplines, including but not limited to, Emergency Management, Government Administrative, Fire Service, Emergency Medical Services, Law Enforcement, Public Health, and Citizen/Community Volunteers.

ndptc.hawaii.edu 808.725.5220

| COURSE NUMBER | NATIONAL DISASTER PREPAREDNESS TRAINING CENTER COURSE NAME | HRS | CEU | PG |
|---------------|--|------|-----|-----|
| AWR-217 | Tsunami Awareness | 8.0 | 0.5 | 6-2 |
| AWR-228 | Community Resilience | 8.0 | 0.6 | 6-2 |
| AWR-233 | Volcanic Crises Awareness | 12.0 | 1.0 | 6-2 |
| AWR-308 | Natural Disaster Awareness for Caregivers | 4.0 | 0.3 | 6-3 |
| AWR-310 | Natural Disaster Awareness for Community Leaders | 4.0 | 0.3 | 6-3 |
| AWR-319 | Leveraging Tools for Conducting Damage Assessments | 8.0 | 0.6 | 6-3 |
| AWR-322 | Natural Disaster Awareness for Security Professionals | 8.0 | 0.6 | 6-3 |
| AWR-326 | Tornado Awareness | 8.0 | 0.6 | 6-3 |
| AWR-329 | Leveraging Tools for Coordinated Community Disaster Communications | 4.0 | 0.3 | 6-3 |
| AWR-331 | Winter Weather Hazards: Science and Preparedness | 8.0 | 0.6 | 6-4 |
| AWR-332 | Hazardous Weather Preparedness for Campuses | 8.0 | 0.6 | 6-4 |
| AWR-343 | Hurricane Awareness | 4.0 | 0.3 | 6-4 |
| AWR-345 | Unmanned Aircraft Systems for Disaster Management | 8.0 | 0.6 | 6-4 |
| AWR-347 | Climate Adaptation Planning for Emergency Management | 8.0 | 0.6 | 6-4 |
| AWR-356 | Community Planning for Disaster Recovery | 8.0 | 0.6 | 6-4 |
| AWR-362 | Flooding Hazards: Science and Preparedness | 8.0 | 0.6 | 6-5 |
| MGT-460 | Planning for Disaster Debris Management | 4.0 | 0.3 | 6-5 |
| MGT-461 | Evacuation Planning Strategies and Solutions | 8.0 | 0.6 | 6-5 |
| PER-304 | Social Media Platforms for Disaster Management | 8.0 | 0.6 | 6-5 |
| PER-343 | Social Media Engagement Strategies | 8.0 | 0.6 | 6-5 |
| PER-344 | Social Media Tools and Techniques | 8.0 | 0.6 | 6-6 |

AWR-217 Tsunami Awareness

HOURS 8.0 CEU 0.5 This course enhances the participants' abilities to support their organizations' tsunami preparedness and response efforts. It provides participants with an understanding of: (1) the tsunami hazard; (2) current hazard assessment tools and products; (3) tsunami warning and dissemination systems and methods; and (4) methods of community response to local and distant tsunamis.

AWR-228 Community Resilience

HOURS 8.0 CEU 0.6 Resilient communities are better able to plan for and take action to mitigate the risks from hazards, increase the pace of recovery from destructive events, and adapt to changing environments. This course provides participants with the background information on natural hazards, the opportunity to work through an approach to assess community resilience, and develop an action plan for improved resilience through the use of case studies and group activities. The goal of this course is to increase awareness of the meaningful actions that you and your community can take to enhance resilience to natural hazards and the opportunities to incorporate resilience into professional practice.

AWR-233 Volcanic Crises Awareness

HOURS 12.0 CEU 1.0 This course enhances the abilities of participants to support their organizations' preparedness and response efforts for future volcanic crises. It provides an understanding of: processes, impacts, and causes of volcanic hazards; current monitoring and hazard assessment tools and products; volcano warning and dissemination systems and methods; and community response to eruptions and volcanic crises. A facilitator-led scenario-based group activity challenges participants to identify effective actions that will reduce the impact of a volcanic crisis in their community(ies). This activity enables participants to apply knowledge of the presented materials to actual preparedness, mitigation, and response issues and helps participants to understand how organizational preparedness and community-level planning support the mitigation of volcanic hazards.

AWR-308 Natural Disaster Awareness for Caregivers

HOURS 4.0 CEU 0.3 Those who require care such as seniors and children, are particularly vulnerable to natural hazards. Factors such as physical limitations, mental ailments, and medication requirements are issues of concern for caregivers. These specific needs, amongst others considerations for natural hazards, must be addressed in preparedness plans. This course is designed to enhance the caregiver's awareness of vulnerability factors for those who require care. Participants will learn how to identify, prepare, and perform a number of support activities that will ensure the safety and security of care receivers when a natural hazard event occurs. Participants will also be introduced to best practices for personal preparedness prior to a disaster and encouraged to discuss plans and actions that they have already taken. Participants will then explore special considerations for disaster preparedness for dependents and those with access and functional needs.

AWR-310 Natural Disaster Awareness for Community Leaders

HOURS 4.0 CEU 0.3 This course familiarizes community leaders with the available resources for natural disaster preparedness and planning. Participants learn to better recognize and define the roles and responsibilities they may be expected to assume given their leadership positions, and understand the roles that first responders and other support personnel are likely to assume to ensure primary assistance in the response and recovery phase of an emergency event. The course also provides participants with an understanding of the necessary plans and tools needed in planning for natural disasters, and assists them to better understand and identify the personnel best equipped to address response and recovery requirements in the case of an actual disaster.

AWR-319 Leveraging Tools for Conducting Damage Assessments

HOURS 8.0 CEU 0.6 This course provides participants with an overview of the basic damage assessment process, the importance of quick and accurate assessments, and the commonalities and differences in data requirements for different groups. The course discusses the practice of conducting a damage assessment action plan in order to ensure that resources are in place for an adequate response. A hands-on exercise provides participants with the opportunity to practice conducting a damage assessment using Commercial Off-the-Shelf (COTS) tools and software.

AWR-322 Natural Disaster Awareness for Security Professionals

HOURS 8.0 CEU 0.6 This course familiarizes participants with a range of natural hazards, the disaster-specific risks they pose (including likelihood and consequences), different factors that contribute to or reduce vulnerability, effective and accepted emergency procedures that may be taken to minimize financial and/or human impacts, and basic law enforcement duties that are typically required in the response to or recovery from major emergencies and disasters. Participants learn about prevailing emergency and disaster coordination, communication systems and procedures, and are informed of different actions that they may be able to take in order to support pre- and post-event first responder efforts.

AWR-326 Tornado Awareness

HOURS 8.0 CEU 0.6 This course assists participants to better understand the basics of tornado science, the weather forecasting process, the tornado warning process, and the fundamentals of tornado safety and preparedness. Because tornadoes can strike anywhere in the United States, it is important that every community be ready for the hazards associated with them.

AWR-329 Leveraging Tools for Coordinated Community Disaster Communications

HOURS 4.0 CEU 0.3 As recent disasters have demonstrated, maintaining a strong and redundant communications infrastructure is integral to the coordination of response and recovery efforts. This course provides participants with the opportunity to gain valuable information that will assist in improving the communication capabilities of their community by introducing various tools and strategies that can be integrated into community communication plans. The course will enhance the participant's ability to leverage coordination among community organizations and resources to ensure effective communications before, during, and after a disaster. Participants will explore the community and the related hazards to find communication needs and assets. The course will focus on the information needs and requirements of different groups in an emergency and the importance of communicating with different groups at different times. Practical exercises provide the opportunity to evaluate the various tools available to effect communications and analyze communication systems, technologies, and products to use.

AWR-331 Winter Weather Hazards: Science and Preparedness

HOURS 8.0 CEU 0.6 This course assists to provide emergency managers, first responders, and community members across all sectors with a basic understanding of the latest knowledge in winter weather science forecasting, warning, and best practices in preparedness. The course enhances the ability of participants to identify and describe the hazards associated with winter weather and to better prepare for and mitigate the impacts of snow, sleet, freezing rain, and dangerously low temperatures.

AWR-332 Hazardous Weather Preparedness for Campuses

HOURS 8.0 CEU 0.6 This course assists to prepare participants to understand the basics of the meteorology of hazardous weather and how it pertains to preparedness on campuses; build fundamental skills in planning for various hazardous weather systems such as severe thunderstorms, tornadoes, and hurricanes, which can produce lightning, high winds, and flooding threats; and use preparedness and planning techniques to aid emergency managers in mitigating the risk of hazardous weather to life and property on campuses.

AWR-343 Hurricane Awareness

HOURS 4.0 CEU 0.3 This course provides participants with latest information on hurricane science, forecasting, warning, and preparedness. The course enhances the ability of the participants to identify and describe the hazards associated with hurricanes and to better prepare for and mitigate the impacts of high winds, heavy rain, and storm surge.

AWR-345 Unmanned Aircraft Systems for Disaster Management

HOURS 8.0 CEU 0.6 Unmanned Aircraft Systems (UAS) are an emerging technology that will likely revolutionize disaster management. This course is an introduction to UAS use in disaster management, from mitigation and preparedness to response and recovery. It is intended to help participants gain a basic understanding of UAS; learn the general concepts to help an agency build a successful UAS program; understand the FAA regulations of UAS; learn the importance of engaging the local community; understand the need to ensure that privacy issues, civil rights, and civil liberties are thoroughly addressed; identify when UAS would enhance a disaster mission; and understand the basics of UAS types and sensors. The overall course goal is to provide a basic overview of UAS so that agencies can learn the first steps in determining if UAS is right for their work.

AWR-347 Climate Adaptation Planning for Emergency Management

HOURS 8.0 CEU 0.6 This course helps emergency managers, responders and the community better plan and prepare for the potential hazard impacts that may occur as a result of climate adaptations and systems vulnerabilities. Participants will gain a better understanding of how to identify and apply adaptation strategies to address vulnerabilities, as well as identify various resources that can be used to implement climate adaptation strategies.

AWR-356 Community Planning for Disaster Recovery

HOURS 8.0 CEU 0.6 Disaster Recovery is a complex, costly, and potentially lengthy process. Depending on the scope of a disaster, recovery efforts can last years and cost millions of dollars. Planning has a direct positive impact on a community's ability to recover from disasters. Planning for disaster recovery before disasters occur can significantly speed up and facilitate the post-disaster recovery process. This course is an eight-hour awareness-level course that provides facilitated discussions on key concepts for disaster recovery planning, including the benefits of pre-disaster planning, key elements, and the plan development process. This course will prepare participants to initiate disaster recovery plans and participate in the long-term recovery planning process in their own communities through the review of case studies and existing disaster recovery plans.

AWR-362 Flooding Hazards: Science and Preparedness

HOURS 8.0 CEU 0.6 Flooding hazards can threaten any community in the United States and can occur over a period of weeks, days, or minutes. Therefore, this course focuses the identification and assessment of hazards due to flooding to enable proper preparedness and response. As flooding is one of the top meteorological killers in the United States, posing particular hazards to emergency responders, this introduction to recognizing flooding threats is essential for developing safe communities. Flooding Hazards: Science and Preparedness is an awareness-level, eight-hour course that addresses the current science of the causes of floods, flood forecasting, flood risk assessment, and best practices for preparation and mitigation for both short and long-fuse flooding events. Modules will include instruction on: Factors that contribute to flooding and how these determine flood risk; FEMA flood risk maps and the National Flood Insurance Program; How to read and interpret forecasts, watches, and warnings from the National Weather Service and hydrographs from the U.S. Geological Survey; and Proper preparation for sudden flooding, such as flash flooding and dam breaks, and long-fuse flood events such as river flooding.

MGT-460 Planning for Disaster Debris Management

HOURS 8.0 CEU 0.6 Disasters such as hurricanes, tornadoes, and floods can create enormous volumes of debris. Debris can hinder response and recovery efforts, cause costly delays, and pose significant logistical challenges. Debris management can be extremely complex, so creating, testing, and training to a pre-disaster debris management plan specific to the area is key to successful operations. This eight-hour management-level course is designed to enable participants to identify debris management components and the best planning practices using existing plan examples and case studies. Participants will also draft an outline of a debris management plan. MGT-460 Planning for Disaster Debris Management provides participants with the knowledge, skills, and tools necessary to create pre-disaster debris management plans for their own communities.

MGT-461 Evacuation Planning Strategies and Solutions

Hours 8.0 CEU 0.6 Evacuations can be ordered at any time for many types of disasters. Effective planning helps ensure that evacuations can be conducted swiftly, safely, and in an orderly manner. Participants will be exposed to current tools and technologies to institute best practices and strategies to plan for and execute an emergency evacuation. This course introduces data sources, modeling tools, and simulations that can assist with implementation of an emergency evacuation.

PER-304 Social Media Platforms for Disaster Management

HOURS 4.0 CEU 0.3 This course focuses on the use of social media in disaster preparedness, response, and recovery. Social media has shown to help people communicate and collaborate about events as the events unfold. Social media can provide rapid and immediate real-time information about events that helps provide greater situational awareness leading to better decision making. Participants are provided with the knowledge and skills to integrate social media into their current communication plans. The course defines social media and its uses and identifies the tools, methods, and models to properly make use of social media in the context of disaster management and provides the information and hands-on experience necessary to help the participants create social media disaster plans.

PER-343 Social Media Engagement Strategies

HOURS 8.0 CEU 0.6 This course will provide participants with the knowledge and skills to implement strategies to better engage individuals and partner organizations. Participants will experience more in-depth training in the use of content types, engagement strategies, and measurement tools for social media. The course will enable participants to create a social media strategy and better adapt to changing needs and strategies throughout the phases of emergency management. Group activities throughout the course will assist to reinforce the use of social media strategies in emergency management.

PER-344 Social Media Tools and Techniques

HOURS 8.0 CEU 0.6 This course is designed to provide participants with the knowledge and skills to use intermediate social media tools and techniques for situational awareness during an emergency. Participants will learn to use tools such as mapping applications, data analysis, and data mining for research and management. It aims to reach public and private sector organizations who have responsibility for conveying disaster-related information to the public or who are responsible for gathering information during and after a disaster. This course builds upon the concepts introduced in PER-304 Social Media Platforms for Disaster Management.



Security and Emergency Response Training Center



For the past 33 years, the Security and Emergency Response Training Center (SERTC) has been operated by the Transportation Technology Center, Inc. (TTCI), a subsidiary of the Association of American Railroads. Since our inception, SERTC has trained more than 74,000 students worldwide. We provide high-level, state-of-the-art training for our students. SERTC training includes a high percentage of hands-on work, which students conduct on actual transportation equipment, similar to what they will encounter in the field. SERTC has the largest collection of full-size rail cars to be used as training aids in the United States. We train using realistic props and scenarios, including live explosives, pressurized air and water.

sertc.org 719.584.0584

| COURSE NUMBER | SECURITY AND EMERGENCY RESPONSE TRAINING CENTER COURSE NAME | HRS | CEU | PG |
|---------------|--|------|-----|-----|
| PER-290 | Tank Car Specialist | 40.0 | 4.0 | 7-2 |
| PER-291 | Highway Emergency Response Specialist | 40.0 | 4.0 | 7-2 |
| PER-292 | Leadership and Management of Surface Transportation Incidents | 40.0 | 4.0 | 7-2 |
| PER-293 | Hazardous Materials Weapons of Mass Destruction Technician for Surface Transportation | 80.0 | 8.0 | 7-3 |
| PER-326 | Surface Transportation Emergency Preparedness and Security – Freight | 16.0 | 1.6 | 7-3 |
| PER-327 | Crude Oil/Class 3 Flammable Liquid Emergencies Transported By Rail | 24.0 | 2.4 | 7-3 |
| PER-330 | Surface Transportation Emergency Preparedness and Security – Mass Transit and Passenger Rail | 16.0 | 1.6 | 7-3 |
| PER-331 | Surface Transportation Emergency Preparedness and Security – Senior Officials | 4.0 | 0.4 | 7-4 |
| PER-367 | Tactical Hazardous Materials Operations in Surface Transportation | 40.0 | 4.0 | 7-4 |
| PER-381 | Transportation Container Loading and Unloading Emergency Response | 24.0 | 0.0 | 7-4 |

PER-290 Tank Car Specialist

HOURS 40.0 CEU 4.0 This course is designed to address specific fundamentals and skills associated with an emergency response to a rail surface transportation incident involving HazMat/WMD. The TCS course will provide technical knowledge pertaining to tank cars, including damage assessment, oversight for product removal, and movement of damaged tank and other rail cars present. They will conduct site assessments of incidents, damage assessments of the containers, and will conduct product removal using different transfer techniques on the various DOT containers used in rail transportation. The skills acquired at this specialty course are above and beyond that of a HazMat/WMD technician. The TCS course provides technical information and includes extensive hands-on practice of incident actions on full-scale scenario-based rail HazMat/WMD surface transportation incidents.

PER-291 Highway Emergency Response Specialist

HOURS 40.0 CEU 4.0 This course focuses on specific fundamentals and skills associated with an emergency response to a highway incident involving hazardous materials/WMD emergencies. Participants are provided with detailed technical information on cargo tanks (all types), intermodal (IM) portable tanks, freight vans, design and construction, non-bulk packaging, and compressed gas cylinders. Participants are trained to be proficient in hazard mitigation techniques for highway transportation incidents, transfer procedures, grounding and bonding, and safety considerations, including extensive hands-on practice of actions and responses to simulated Hazardous Materials/WMD incidents.

PER-292 Leadership and Management of Surface Transportation Incidents

HOURS 40.0 CEU 4.0 This course utilizes NIMS/ICS guidelines and is designed to prepare participants in leadership and management of HazMat/WMD incidents involving surface transportation. The course requires participants to lead and manage incidents involving actual HazMat technicians responding to scenario-based emergencies while following NIMS/ICS guidelines and structures. Participants will be expected to complete proficiency requirements, all necessary NIMS/ICS documentation, and produce Incident Action Plans (IAPs) incorporating hands-on, scenario-based activities. Challenging, in-depth planning, and decision-making processes are involved that will prepare participants to manage and document responses to real-world emergencies involving surface transportation incidents in their communities.

PER-293 Hazardous Materials Weapons of Mass Destruction Technician for Surface Transportation

HOURS 80.0 CEU 8.0 This course provides Hazardous Materials Technician training that complies with OSHA 29 CFR 1910.120 (q) and NFPA Standard 472 requirements. This course is designed to prepare technical responders for the offensive measures necessary to mitigate a flammable/combustible liquid, toxic or industrial HazMat, or WMD/IED emergency in surface transportation. Participants respond to simulated emergencies on bulk and non-bulk packaging, railcars, cargo tanks, and intermodal & portable tanks, utilizing techniques to perform containment/confinement procedures. This course allows participants to demonstrate proficiency through extensive, hands-on practice of actions and responses to simulated HazMat/WMD incidents, including Class 3 flammable/combustible products, and other CBRNE incidents that could be used against surface transportation. Learn to assist in identifying vulnerabilities within local communities, to recognize and prioritize importance of facility and conveyance hardening, and become familiar with NIMS/NRF to prioritize organizational immediate actions and response operations. Participants are briefed about current trends concerning flammable/combustible liquids and their potential impact upon their jurisdiction. Learn the importance of proper management and pre-planning to minimize threats on surface transportation as it relates to HazMat. Learn to conduct site safety planning measures, and use appropriate PPE for incident mitigation. Learn appropriate decontamination procedures and medical monitoring used at a HazMat/WMD incident and the knowledge to execute tasks needed to bring a HazMat/WMD emergency—whether deliberately, accidentally, or naturally caused—to a safe and successful conclusion.

PER-326 Surface Transportation Emergency Preparedness and Security – Freight

HOURS 16.0 CEU 1.6 This course is designed for mid-management and supervisory level personnel representing jurisdictions such as states, counties, or cities, and including public services agencies, fire services, law enforcement, emergency medical services, emergency planning, public health, hazardous materials response, and private industry. This course focuses on how to prevent, manage, and assess threats and vulnerabilities of freight transportation systems. Learn to recognize and prioritize the importance of facility and conveyance hardening in regards to the specific dangers associated with the transportation of freight. Participants learn management/planning tools to counter flammable/combustible liquids incidents and IED operations and evacuations where freight transportation creates the potential for catastrophic events when combined with materials being shipped, including HazMat. Learn to utilize the NIMS/NRF to prioritize organizational immediate actions and response operations. There will be special emphasis on National Special Security Events (NSSEs).

PER-327 Crude Oil/Class 3 Flammable Liquid Emergencies Transported By Rail

HOURS 24.0 CEU 2.4 This program will provide the first responder basic knowledge, skills, and abilities to respond to incidents involving Crude Oil/Class 3 Flammable Liquids Transported By Rail (COC3FLETBR). The program is delivered over 3 days (24 hours) with over 60% field exercises. The program covers: the history of crude oil/class 3 flammable liquids, chemical and physical properties of the different crude oil/class 3 flammable liquids, basic site and damage assessment, and tank car design and construction. Additional subjects include: tactical product control methods including the application of firefighting foam agents, water and spill control procedures, planning for crude oil/flammable liquid incidents, and the environmental impacts. The practical evolutions will include a demonstration of crude oil/class 3 flammable liquids fires, boil overs, and foam applications as applied to crude oil/class 3 flammable liquid incidents.

PER-330 Surface Transportation Emergency Preparedness and Security – Mass Transit & Passenger Rail

HOURS 16.0 CEU 1.6 This course is designed for management level personnel representing jurisdictions such as states, counties, or cities, and including public service agencies, fire service, law enforcement, emergency medical service, emergency planning, public health, hazardous materials response, and private industry. Participants will learn to conduct threat assessments and identify vulnerabilities within state, local, tribal, and territorial jurisdictions as they relate to mass transit and passenger rail systems. The course will educate participants on how to recognize and prioritize passenger transportation facilities and conveyances hardening in order to prevent and protect them against identified threats, especially those involving IEDs. Security and response management plans will also be developed, including procedures on interagency communication, incident command, and evacuation planning. Roles and responsibilities of both public and private sector will be highlighted as protection resources and response partners. There will be special emphasis on National Special Security Events (NSSEs).

PER-331 Surface Transportation Emergency Preparedness and Security – Senior Officials

HOURS 4.0 CEU 0.4 This course is intended for executives and elected officials, both public and private, such as mayors, county executives, directors, assistant directors, chiefs, deputy chiefs, division managers, and supervisors. Participants should include representation from state and local entities, public service agencies, fire services, law enforcement, emergency medical services, emergency planning, public health, hazardous materials response, and private industry. This course offers an executive-level introduction to the roles and responsibilities of preparedness, prevention, and response to emergencies involving surface transportation freight and passenger systems. It provides a clear overview of freight and passenger system threats facing jurisdictions/organizations of public and private officials and the organizational structure that must be implemented in an incident, according to the NRF. Executives learn to identify threats and vulnerabilities of freight (including flammable/combustible liquid transportation) and passenger system operations within their jurisdictions/organizations, learn to recognize and prioritize the importance of facility and conveyance hardening, receive familiarization with the NIMS/NRF to prioritize organizational immediate actions and response operations, and learn how to develop and apply management/planning tools for flammable/combustible liquids incidents and counter Improvised Explosive Devices (IED) operations and evacuations. There will be special emphasis on National Special Security Events (NSSEs).

PER-367 Tactical Hazardous Materials Operations in Surface Transportation

HOURS 40.0 CEU 4.0 This course is designed to provide law enforcement with advanced knowledge and practical skills needed to respond to a complex, tactical surface transportation incident involving HazMat/WMD. Participants learn to operate tactical weapons using Simunition® non-lethal training weapons and ammunition, while wearing chemical protective clothing and respiratory protection systems, and how to respond properly to emergency incidents involving various modes of mass transit transportation, including heavy, medium, and light rail systems, and commercial and school buses. Participants learn to select proper PPE and respiratory protection for the threat presented, how to use monitoring equipment to help determine what type of HazMat/WMD may be present, conduct site assessments, develop tactical plans, and conduct tactical assaults on full-scale passenger train cars, locomotives, commercial buses and school buses. Participants are involved in a variety of “Shoot/Don’t Shoot” scenarios utilizing Simunitions® which also involve “Active Shooter” role playing. This course is for certified and active peace officers and/or those formally attached to an agency tactical team with HazMat Awareness completion. Medical personnel involved with Active Shooter Hostile Events Response (ASHER) may attend with approval.

PER-381 Transportation Container Loading and Unloading Emergency Response

HOURS 24.0 CEU 0.0 This course is a transportation-specific emergency program focusing on specific fundamentals and skills associated with emergency response incidents involving flammable liquids during transfer/trans loading by rail tank car, highway vehicle, and above-ground fixed-facility storage, while using a full-scale transfer station/commercial loading rack. The orientation will be mitigation planning and response procedures for spills and fires from surface transportation containers which are carrying DOT Hazard Class 3 products. This Operations Level Program reviews specific information on safe operations around commercial loading/unloading operations, chemical and physical properties of hazardous materials transferred, detection and monitoring equipment specific to these commodities, safety features and construction of both rail and highway containers. The program covers environmental impacts, mitigation methods including tactical considerations, the process of proper bonding and grounding at incidents, fire suppression procedures, Association of American Railroads (AAR) Pamphlet 34, and extensive hands-on practical evolutions in dealing with liquid and gaseous releases involving our commercial loading rack assemblies, rail car, and highway cargo tanks at our fixed site in a scenario format. They will learn to conduct site assessments, assess damage to containers, and perform confinement and containment actions on incidents involving flammable liquids, learn to assist in identifying vulnerabilities within their own local transportation systems, while learning to recognize and prioritize assets in their jurisdiction and region. Participants will learn to plan and work effectively with members of the railroad industry, emergency response organizations, vendors and service providers, and community stakeholders, and understand the importance of building relationships with mutual aid departments and transportation representatives. They will also learn the necessary components of NIMS and the NRF to prioritize organizational immediate actions and response operations. Successful participants will have the knowledge to make basic decisions during a flammable liquid transfer/transload incident and will be able to determine whether they should act in an offensive, defensive, or non-intervention mode during an incident. Target audience for this course is Firefighter I with Hazardous Materials Operations as described by OSHA, NFPA, and EPA. The participant community for this course represents fire service, emergency management, and railroad industry personnel, highway industry personnel, and hazardous materials response contractors that deal with flammable liquids in transportation.

Course Number Index

| Number | Center | Title | Pg. |
|-----------|-----------|--|-----|
| AWR-111-W | NERRTC | Basic Emergency Medical Services Concepts for Chemical, Biological, Radiological, Nuclear, and Explosive Events, Web-based | 4-3 |
| AWR-118 | NCBRT | Biological Incidents Awareness | 3-2 |
| AWR-118-1 | NCBRT | Biological Incidents Awareness, Train-the-Trainer | 3-3 |
| AWR-122 | NCBRT | Law Enforcement Prevention and Deterrence of Terrorist Acts | 3-3 |
| AWR-122-1 | NCBRT | Law Enforcement Prevention and Deterrence of Terrorist Acts, Train-the-Trainer | 3-3 |
| AWR-122-C | NCBRT | Law Enforcement Prevention and Deterrence of Terrorist Acts, Customized | 3-3 |
| AWR-132 | EMRTC | Understanding and Planning for School Bomb Incidents, Mobile | 2-2 |
| AWR-132-W | EMRTC | Understanding and Planning for School Bomb Incidents, Web-Based | 2-2 |
| AWR-136 | NERRTC | Essentials of Community Cybersecurity | 4-3 |
| AWR-138-W | NERRTC | Network Assurance, Web-based | 4-3 |
| AWR-139-W | NERRTC | Digital Forensics Basics, Web-based | 4-3 |
| AWR-140 | NNSA/CTOS | Introduction to Radiological/Nuclear WMD Operations | 5-2 |
| AWR-140-1 | NNSA/CTOS | Introduction to Radiological/Nuclear WMD Operations Train-the-Trainer Course | 5-2 |
| AWR-140-W | NNSA/CTOS | Introduction to Radiological/Nuclear WMD Operations, Web-based | 5-3 |
| AWR-160 | CDP | Standardized Awareness Training (SAT) | 1-3 |
| AWR-160 | NERRTC | Standardized Awareness Training (SAT) | 4-4 |
| AWR-160-1 | CDP | Standardized Awareness Authorized Training, Train-the-Trainer (SAAT) | 1-3 |
| AWR-160-F | NERRTC | Conocimiento Sobre Armas de Destruccion Masiva/Terrorismo para Socorrista, en linea | 4-4 |
| AWR-160-W | NERRTC | WMD/Terrorism Awareness for Emergency Responders, Web-based | 4-4 |
| AWR-167 | NERRTC | Sport Event Risk Management | 4-4 |
| AWR-168-W | NERRTC | Cyber Law and White Collar Crime, Web-based | 4-4 |
| AWR-169-W | NERRTC | Cyber Incident Analysis and Response, Web-based | 4-4 |
| AWR-173-W | NERRTC | Information Security Basics, Web-based | 4-5 |
| AWR-174-W | NERRTC | Cyber Ethics, Web-based | 4-5 |
| AWR-175-W | NERRTC | Information Security for Everyone, Web-based | 4-5 |
| AWR-176-W | NERRTC | Disaster Recovery for Information Systems, Web-based | 4-5 |
| AWR-177-W | NERRTC | Information Risk Management, Web-based | 4-5 |
| AWR-178-W | NERRTC | Secure Software, Web-based | 4-5 |
| AWR-213 | NERRTC | Critical Infrastructure Security and Resilience Awareness | 4-5 |
| AWR-217 | NDPTC | Tsunami Awareness | 6-2 |
| AWR-219 | NCBRT | Site Protection through Observational Techniques (SPOT) | 3-3 |
| AWR-219-1 | NCBRT | Site Protection through Observational Techniques (SPOT), Train-the-Trainer | 3-3 |
| AWR-219-C | NCBRT | Site Protection through Observational Techniques (SPOT) | 3-4 |
| AWR-228 | NDPTC | Community Resilience | 6-2 |
| AWR-230 | EMRTC | Incident Response to Terrorist Bombings, Mobile | 2-2 |
| AWR-230-C | EMRTC | Incident Response to Terrorist Bombings, Customized | 2-2 |
| AWR-231 | EMRTC | Prevention of and Response to Suicide Bombing Incidents, Mobile | 2-2 |
| AWR-231-C | EMRTC | Prevention of and Response to Suicide Bombing Incidents, Customized | 2-3 |
| AWR-233 | NDPTC | Volcanic Crises Awareness | 6-2 |
| AWR-235 | EMRTC | Initial Law Enforcement Response to Suicide Bombing Attacks, Mobile | 2-3 |
| AWR-235-C | EMRTC | Initial Law Enforcement Response to Suicide Bombing Attacks, Customized | 2-3 |
| AWR-304-W | NCBRT | Shopping Center Security Terrorism Awareness Training Program, Web-based | 3-4 |

| Number | Center | Title | Pg. |
|-------------|-----------|--|-----|
| AWR-308 | NDPTC | Natural Disaster Awareness for Caregivers | 6-3 |
| AWR-310 | NDPTC | Natural Disaster Awareness for Community Leaders | 6-3 |
| AWR-313 | EMRTC | Homemade Explosives: Awareness, Recognition, and Response, Mobile | 2-3 |
| AWR-314-W | NERRTC | Medical Countermeasures Awareness for Public Health Emergencies, Web-based | 4-6 |
| AWR-315 | NCBRT | Fundamentals of Criminal Intelligence | 3-4 |
| AWR-317 | CDP | REP Core Concepts Course (RCCC) | 1-3 |
| AWR-318 | CDP | REP Disaster Initiated Review (RDIR) | 1-3 |
| AWR-319 | NDPTC | Leveraging Tools for Conducting Damage Assessments | 6-3 |
| AWR-322 | NDPTC | Natural Disaster Awareness for Security Professionals | 6-3 |
| AWR-326 | NDPTC | Tornado Awareness | 6-3 |
| AWR-329 | NDPTC | Leveraging Tools for Coordinated Community Disaster Communications | 6-3 |
| AWR-331 | NDPTC | Winter Weather Hazards: Science and Preparedness | 6-4 |
| AWR-332 | NDPTC | Hazardous Weather Preparedness for Campuses | 6-4 |
| AWR-333 | CDP | Improvised Explosive Device Construction and Classification (IED-CC) | 1-4 |
| AWR-334 | CDP | Introduction to Terrorist Attack Cycle (ITAC) | 1-4 |
| AWR-335 | CDP | Response to Suspicious Behaviors (RSBI) | 1-4 |
| AWR-336 | CDP | Health Sector Emergency Preparedness (HSEP) | 1-4 |
| AWR-337 | CDP | IED Explosive Effects Mitigation (IED-EEM) | 1-4 |
| AWR-338 | CDP | Homemade Explosive and Precursor Awareness (HME-P) | 1-4 |
| AWR-340 | CDP | Protective Measures Awareness (PMA) | 1-5 |
| AWR-343 | NDPTC | Hurricane Awareness | 6-4 |
| AWR-345 | NDPTC | Unmanned Aircraft Systems for Disaster Management | 6-4 |
| AWR-346 | NNSA/CTOS | Introduction to Radiological/Nuclear WMD Operations for Law Enforcement | 5-3 |
| AWR-346-1 | NNSA/CTOS | Introduction to Radiological/Nuclear WMD Operations for Law Enforcement Train-the-Trainer Course | 5-3 |
| AWR-347 | NDPTC | Climate Adaptation Planning for Emergency Management | 6-4 |
| AWR-348 | CDP | Bombing Preparedness Awareness Course (BPAC) | 1-5 |
| AWR-348-1 | CDP | Bombing Preparedness Awareness Course Train-the-Trainer (BPAC TtT) | 1-5 |
| AWR-350 | NNSA/CTOS | Introduction to Radiological/Nuclear WMD Operations for Emergency Medical Services/Healthcare | 5-3 |
| AWR-350-1 | NNSA/CTOS | Introduction to Radiological/Nuclear WMD Operations for Emergency Medical Services/Healthcare Train-the-Trainer Course | 5-3 |
| AWR-356 | NDPTC | Community Planning for Disaster Recovery | 6-4 |
| AWR-358 | CDP | Hazardous Materials Awareness (HMA) | 1-5 |
| AWR-358-R-W | CDP | Hazardous Materials Awareness-Refresher Distance Learning (HMA-R-W) | 1-5 |
| AWR-358-W | CDP | Hazardous Materials Awareness-Distance Learning (HMA-W) | 1-5 |
| AWR-362 | NDPTC | Flooding Hazards: Science and Preparedness | 6-5 |
| AWR-375-W | NERRTC | Risk Management for After School Activities and Interscholastic Athletics, Web-based | 4-6 |
| AWR-376 | NERRTC | Understanding Targeted Cyber Attacks | 4-6 |
| AWR-900 | CDP | Framework for Healthcare Emergency Management (FRAME) | 1-6 |
| AWR-901-1 | CDP | Hospital Emergency Response Training – Basic Train-the-Trainer (HERT-B TtT) | 1-6 |
| AWR-901-2 | CDP | Hospital Emergency Response Training – Basic (HERT-B) | 1-6 |
| AWR-922-W | CDP | Environmental Health Training in Emergency Response: Awareness (EHTER-A) | 1-6 |
| MGT-300-C | CDP | Field Force Command: Executive Course (FFCE) | 1-6 |
| MGT-310 | NERRTC | The Threat and Hazard Identification and Risk Assessment and Stakeholder Preparedness Review (THIRA/SPR) | 4-6 |

| Number | Center | Title | Pg. |
|-----------|--------|--|------|
| MGT-312 | NERRTC | Senior Officials Workshop for All-Hazards Preparedness | 4-6 |
| MGT-314 | NERRTC | Enhanced All-Hazards Incident Management/Unified Command | 4-6 |
| MGT-315 | NERRTC | Critical Asset Risk Management | 4-7 |
| MGT-317 | NERRTC | Disaster Management for Public Services | 4-7 |
| MGT-318 | NERRTC | Public Information in an All-Hazards Incident | 4-7 |
| MGT-319 | NERRTC | Medical Countermeasures: Point of Dispensing (POD), Planning and Response | 4-7 |
| MGT-323 | NCBRT | Instructor Development Workshop | 3-4 |
| MGT-324 | NCBRT | Campus Emergencies Prevention, Response, and Recovery | 3-5 |
| MGT-324-C | NCBRT | Campus Emergencies Prevention, Response, and Recovery – Customized | 3-5 |
| MGT-340 | NERRTC | Crisis Leadership and Decision Making | 4-7 |
| MGT-341 | NERRTC | Disaster Preparedness for Healthcare Organizations within the Community Infrastructure | 4-8 |
| MGT-342 | NERRTC | Strategic Overview of Disaster Management for Water and Wastewater Utilities | 4-8 |
| MGT-343 | NERRTC | Disaster Management for Water and Wastewater Utilities | 4-8 |
| MGT-345 | NERRTC | Disaster Management for Electric Power Systems | 4-8 |
| MGT-346 | NERRTC | Emergency Operations Center (EOC) Operations and Planning for All-Hazards Events | 4-9 |
| MGT-347 | NERRTC | Incident Command System (ICS) Forms Review | 4-9 |
| MGT-348 | NERRTC | Medical Preparedness and Response for Bombing Incidents | 4-9 |
| MGT-360 | CDP | Incident Command: Capabilities, Planning and Response Actions for All Hazards (IC) | 1-6 |
| MGT-361 | NERRTC | Managing Critical Incidents at Institutions of Higher Education: A Whole Community Approach (Customized version MGT-361-C) | 4-9 |
| MGT-384 | NERRTC | Community Preparedness for Cyber Incidents | 4-10 |
| MGT-385 | NERRTC | Community Cybersecurity Exercise Planning | 4-10 |
| MGT-404 | NERRTC | Sports and Special Events Incident Management | 4-10 |
| MGT-409 | NCBRT | Community Healthcare Planning and Response to Disasters | 3-5 |
| MGT-412 | NERRTC | Sport Venue Evacuation and Protective Actions | 4-10 |
| MGT-414 | NERRTC | Advanced Critical Infrastructure Protection | 4-10 |
| MGT-418 | NCBRT | Readiness: Training Identification and Preparedness Planning | 3-5 |
| MGT-418 | NERRTC | Readiness: Training Identification and Preparedness Planning | 4-11 |
| MGT-439 | NERRTC | Pediatric Disaster Response and Emergency Preparedness | 4-11 |
| MGT-440 | NERRTC | Enhanced Sports and Special Events Incident Management | 4-11 |
| MGT-445 | CDP | REP Plan Review Course (RPPR) | 1-7 |
| MGT-447 | NCBRT | Managing Food Emergencies: Strategies for a Community Response | 3-6 |
| MGT-450 | CDP | Bomb-Making Awareness Program Community Liaison (BMAP-CL) | 1-7 |
| MGT-450-1 | CDP | Bomb-Making Awareness Program Administrator Trainer (BMAP-AT) | 1-7 |
| MGT-451 | CDP | Bomb Threat Management (BTM) | 1-7 |
| MGT-452 | NERRTC | Physical and Cybersecurity for Critical Infrastructure | 4-11 |
| MGT-454 | CDP | Healthcare Coalition Response Leadership (HCRL) | 1-7 |
| MGT-460 | NDPTC | Planning for Disaster Debris Management | 6-5 |
| MGT-461 | NDPTC | Evacuation Planning Strategies and Solutions | 6-5 |
| MGT-466 | NERRTC | Sport and Special Event Enhanced Risk Management and Assessment | 4-11 |
| MGT-467 | NERRTC | Sport and Special Event Public Information and Emergency Notification | 4-12 |
| MGT-901 | CDP | Healthcare Leadership for Mass Casualty Incidents (HCL) | 1-7 |
| MGT-902 | CDP | Managing Public Information for All Hazard Incidents (MPI) | 1-7 |
| MGT-904 | NERRTC | Intermediate ICS for Expanding Incidents (ICS-300) | 4-12 |
| MGT-905 | NERRTC | Advanced ICS Command and General Staff-Complex Incidents (ICS-400) | 4-12 |

| Number | Center | Title | Pg. |
|-----------|-----------|--|------|
| MGT-906 | NERRTC | Incident Command System Curricula, Train-the-Trainer (L449) | 4-12 |
| MGT-908 | CDP | Disaster Related Exposure Assessment and Monitoring (DREAM) | 1-8 |
| PER-200 | CDP | Field Force Operations (FFO) | 1-8 |
| PER-200-C | CDP | Field Force Operations Refresher (FFO-R) | 1-8 |
| PER-201 | CDP | Evidence Collection in a Hazardous Materials Environment (HEC) | 1-8 |
| PER-202 | CDP | Field Force Extrication Tactics (FFE) | 1-8 |
| PER-202-R | CDP | Field Force Extrication Tactics – Refresher (FFE-R) | 1-8 |
| PER-211 | NERRTC | Medical Management of Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) Events | 4-12 |
| PER-212 | NERRTC | Operational Level Response to HazMat/WMD Incidents | 4-13 |
| PER-212-1 | NERRTC | Operational Level Response to HazMat/WMD Incidents, Train-the-Trainer | 4-13 |
| PER-213 | NERRTC | Wide Area Search | 4-13 |
| PER-219 | NCBRT | A Prepared Jurisdiction: Integrated Response to a CBRNE Incident | 3-6 |
| PER-220 | NCBRT | Emergency Response to Domestic Biological Incidents | 3-6 |
| PER-221 | NCBRT | Tactical Operations for CBRNE Incidents | 3-6 |
| PER-222 | NCBRT | Public Safety CBRNE Response – Sampling Techniques and Guidelines | 3-6 |
| PER-228 | NCBRT | Advanced Forensic Investigations for Hazardous Environments | 3-7 |
| PER-229 | NCBRT | Introduction to the Computer-Aided Management of Emergency Operations (CAMEO) Suite | 3-7 |
| PER-229-1 | NCBRT | Introduction to the Computer-Aided Management of Emergency Operations (CAMEO) Suite, Train-the-Trainer | 3-7 |
| PER-230 | EMRTC | Incident Response to Terrorist Bombings, Residential | 2-3 |
| PER-230-1 | EMRTC | Incident Response to Terrorist Bombings, Train-the-Trainer | 2-3 |
| PER-231 | EMRTC | Prevention of and Response to Suicide Bombing Incidents, Residential | 2-4 |
| PER-231-1 | EMRTC | Prevention of and Response to Suicide Bombing Incidents, Train-the-Trainer | 2-4 |
| PER-233 | EMRTC | Medical Preparedness and Response for Bombing Incidents, Mobile | 2-4 |
| PER-243 | NNSA/CTOS | Primary Screener/Personal Radiation Detector | 5-3 |
| PER-245 | NNSA/CTOS | Secondary Screener/Radiation Isotope Identifier Device | 5-3 |
| PER-246 | NNSA/CTOS | PRND Backpack Operations for the Primary Screener | 5-4 |
| PER-261 | CDP | Hazardous Materials Technologies: Sampling, Monitoring, and Detection (HT) | 1-8 |
| PER-262 | CDP | Hands-On Training for CBRNE Incidents (HOT) | 1-9 |
| PER-263 | CDP | Respiratory Protection: Program Development and Administration (RP) | 1-9 |
| PER-264 | CDP | Law Enforcement Protective Measures for CBRNE Incidents (LEPM) | 1-9 |
| PER-264-1 | CDP | Law Enforcement Protective Measures for CBRNE Incidents, Train-the-Trainer (LEPM TtT) | 1-9 |
| PER-265 | CDP | Law Enforcement Response Actions for CBRNE Incidents (LERA) | 1-9 |
| PER-266 | CDP | Instructor Training Course (ITC) | 1-9 |
| PER-267 | CDP | Emergency Medical Operations for CBRNE Incidents (EMO) | 1-10 |
| PER-268 | CDP | Incident Complexities – Responder Actions for CBRNE Incidents (ICR) | 1-10 |
| PER-271 | CDP | Emergency Medical Response Awareness for CBRNE Incidents (EMRA) | 1-10 |
| PER-272 | CDP | Hazardous Materials Technician (HMT) | 1-10 |
| PER-275 | NCBRT | Law Enforcement Active Shooter Emergency Response (LASER) | 3-7 |
| PER-275-1 | NCBRT | Law Enforcement Active Shooter Emergency Response (LASER), Train-the-Trainer | 3-7 |
| PER-290 | SERTC | Tank Car Specialist | 7-2 |
| PER-291 | SERTC | Highway Emergency Response Specialist | 7-2 |
| PER-292 | SERTC | Leadership and Management of Surface Transportation Incidents | 7-2 |
| PER-293 | SERTC | Hazardous Materials Weapons of Mass Destruction Technician for Surface Transportation | 7-3 |
| PER-298 | NCBRT | Team Approach to Foodborne Outbreak Response | 3-8 |

| Number | Center | Title | Pg. |
|-----------|-----------|--|------|
| PER-300 | NNSA/CTOS | Primary Screener/Personal Radiation Detector Refresher | 5-4 |
| PER-300-W | NNSA/CTOS | Primary Screener/Personal Radiation Detector Refresher, Web-based | 5-4 |
| PER-304 | NDPTC | Social Media Platforms for Disaster Management | 6-5 |
| PER-307 | NNSA/CTOS | Introduction to Improvised Nuclear Device Effects and Response Strategies | 5-4 |
| PER-307-W | NNSA/CTOS | Introduction to Improvised Nuclear Device Effects and Response Strategies, Web-based | 5-4 |
| PER-309 | CDP | Environmental Health Training in Emergency Response Operations (EHTER OPS) | 1-10 |
| PER-310 | CDP | Strategic National Stockpile Preparedness Course (SNS) | 1-10 |
| PER-313 | CDP | Intermediate Hands-On Training for CBRNE Incidents: Law Enforcement (HOT-LE) | 1-11 |
| PER-314 | CDP | Radiological Emergency Preparedness Exercise Evaluator Course (REEC) | 1-11 |
| PER-316 | CDP | REP Accident Assessment Course (RAAC) | 1-11 |
| PER-318 | NNSA/CTOS | Preventive Radiological/Nuclear Detection (PRND) Team Operations | 5-4 |
| PER-321 | CDP | Barrier Precautions and Controls for Highly Infectious Disease (HID) | 1-11 |
| PER-322 | CDP | Hazardous Materials Operations (HMO) | 1-11 |
| PER-324 | CDP | Healthcare Emergency Response Operations for CBRNE Incidents (HERO) | 1-12 |
| PER-326 | SERTC | Surface Transportation Emergency Preparedness and Security – Freight | 7-3 |
| PER-327 | SERTC | Crude Oil/Class 3 Flammable Liquid Emergencies Transported By Rail | 7-3 |
| PER-330 | SERTC | Surface Transportation Emergency Preparedness and Security – Mass Transit and Passenger Rail | 7-3 |
| PER-331 | SERTC | Surface Transportation Emergency Preparedness and Security – Senior Officials | 7-4 |
| PER-332 | NNSA/CTOS | Population Monitoring at Community Reception Centers | 5-4 |
| PER-334 | NERRTC | When Disaster Strikes: Prepare, Act, Survive | 4-13 |
| PER-335 | NCBRT | Critical Decision Making for Complex Coordinated Attacks | 3-8 |
| PER-336 | CDP | Protective Measures Course (PMC) | 1-12 |
| PER-336-1 | CDP | Protective Measures Course Train-the-Trainer (PMC TtT) | 1-12 |
| PER-338 | CDP | Hazardous Materials Basic Responder for Mass Causality Incidents (HMBR) | 1-12 |
| PER-340 | NCBRT | Active Threat Integrated Response Course (ATIRC) | 3-8 |
| PER-343 | NDPTC | Social Media Engagement Strategies | 6-5 |
| PER-344 | NDPTC | Social Media Tools and Techniques | 6-6 |
| PER-345 | NNSA/CTOS | Radiation Instruments Operations | 5-4 |
| PER-347 | NNSA/CTOS | Personal Protective Equipment–Mission Specific Competencies | 5-5 |
| PER-348 | NNSA/CTOS | Operations Level Response to Radiological/Nuclear WMD | 5-5 |
| PER-349 | NNSA/CTOS | PRND Backpack Refresher | 5-5 |
| PER-350 | NNSA/CTOS | Preventive Radiological/Nuclear Detection Maritime Operations | 5-5 |
| PER-351 | NNSA/CTOS | Preventive Radiological/Nuclear Detection Team Leader | 5-5 |
| PER-352 | NERRTC | Active Shooter Incident Management (16-Hour) | 4-13 |
| PER-353 | NERRTC | Active Shooter Incident Management (24-Hour) | 4-14 |
| PER-354 | NNSA/CTOS | Response to Radiological/Nuclear WMD Incidents | 5-5 |
| PER-355 | NNSA/CTOS | Radiation Instruments Employment | 5-5 |
| PER-367 | SERTC | Tactical Hazardous Materials Operations in Surface Transportation | 7-4 |
| PER-370 | NNSA/CTOS | Operations Level Response to Radiological/Nuclear WMD for Emergency Medical Services/ Healthcare | 5-5 |
| PER-374 | NCBRT | Active Threats on Campuses: Protective Measures and Response | 3-8 |
| PER-374-1 | NCBRT | Active Threats on Campuses: Protective Measures and Response , Train-the-Trainer | 3-9 |
| PER-375 | NCBRT | Surviving an Active Threat: Run. Hide. Fight. | 3-9 |
| PER-375-1 | NCBRT | Surviving an Active Threat: Run. Hide. Fight., Train-the-Trainer | 3-9 |
| PER-377 | NNSA/CTOS | Nuclear Detonation Response Operations | 5-6 |

| Number | Center | Title | Pg. |
|---------------|---------------|---|------------|
| PER-378 | NNSA/CTOS | Radiological Operations Support Specialist Training | 5-6 |
| PER-381 | SERTC | Transportation Container Loading and Unloading Emergency Response | 7-4 |
| PER-900 | CDP | Intermediate Hands-on Training for CBRNE Incidents (HOT-I) | 1-12 |
| PER-901 | CDP | Threat Hazard Recognition and Emergency Actions Training for CBRNE Incidents (THREAT) | 1-12 |
| PER-902 | CDP | Hospital Emergency Response Training for Mass Casualty Incidents (HERT) | 1-13 |
| PER-904 | CDP | Radiological Emergency Response Operations (RERO) | 1-13 |
| PER-905 | CDP | Advanced Radiological Incident Operations (ARIO) | 1-13 |
| PER-907 | CDP | Initial Law Enforcement Response to Suicide Bomb Attacks (ILERSBA) | 1-13 |
| PER-908-1 | CDP | Radiological Series Train-the-Trainer (TtT) | 1-13 |

Course Title Index

| Title | Number | Center | Pg |
|--|-----------|--------|------|
| A Prepared Jurisdiction: Integrated Response to a CBRNE Incident | PER-219 | NCBRT | 3-6 |
| Active Shooter Incident Management (16-Hour) | PER-352 | NERRTC | 4-13 |
| Active Shooter Incident Management (24-Hour) | PER-353 | NERRTC | 4-14 |
| Active Threat Integrated Response Course (ATIRC) | PER-340 | NCBRT | 3-8 |
| Active Threats on Campuses: Protective Measures and Response | PER-374 | NCBRT | 3-8 |
| Active Threats on Campuses: Protective Measures and Response , Train-the-Trainer | PER-374-1 | NCBRT | 3-9 |
| Advanced Critical Infrastructure Protection | MGT-414 | NERRTC | 4-10 |
| Advanced Forensic Investigations for Hazardous Environments | PER-228 | NCBRT | 3-7 |
| Advanced ICS Command and General Staff-Complex Incidents (ICS-400) | MGT-905 | NERRTC | 4-12 |
| Advanced Radiological Incident Operations (ARIO) | PER-905 | CDP | 1-13 |
| Barrier Precautions and Controls for Highly Infectious Disease (HID) | PER-321 | CDP | 1-11 |
| Basic Emergency Medical Services Concepts for Chemical, Biological, Radiological, Nuclear, and Explosive Events, Web-based | AWR-111-W | NERRTC | 4-3 |
| Biological Incidents Awareness | AWR-118 | NCBRT | 3-2 |
| Biological Incidents Awareness, Train-the-Trainer | AWR-118-1 | NCBRT | 3-3 |
| Bomb Threat Management (BTM) | MGT-451 | CDP | 1-7 |
| Bombing Preparedness Awareness Course (BPAC) | AWR-348 | CDP | 1-5 |
| Bombing Preparedness Awareness Course Train-the-Trainer (BPAC TtT) | AWR-348-1 | CDP | 1-5 |
| Bomb-Making Awareness Program Community Liaison (BMAP-CL) | MGT-450 | CDP | 1-7 |
| Bomb-Making Awareness Program Administrator Trainer (BMAP-AT) | MGT-450-1 | CDP | 1-7 |
| Campus Emergencies Prevention, Response, and Recovery | MGT-324 | NCBRT | 3-5 |
| Campus Emergencies Prevention, Response, and Recovery – Customized | MGT-324-C | NCBRT | 3-5 |
| Climate Adaptation Planning for Emergency Management | AWR-347 | NDPTC | 6-4 |
| Community Cybersecurity Exercise Planning | MGT-385 | NERRTC | 4-10 |
| Community Healthcare Planning and Response to Disasters | MGT-409 | NCBRT | 3-5 |
| Community Planning for Disaster Recovery | AWR-356 | NDPTC | 6-4 |
| Community Preparedness for Cyber Incidents | MGT-384 | NERRTC | 4-10 |
| Community Resilience | AWR-228 | NDPTC | 6-2 |
| Conocimiento Sobre Armas de Destruccion Masiva/Terrorismo para Socorrista, en linea | AWR-160-F | NERRTC | 4-4 |
| Crisis Leadership and Decision Making | MGT-340 | NERRTC | 4-7 |
| Critical Asset Risk Management | MGT-315 | NERRTC | 4-7 |
| Critical Decision Making for Complex Coordinated Attacks | PER-335 | NCBRT | 3-8 |
| Critical Infrastructure Security and Resilience Awareness | AWR-213 | NERRTC | 4-5 |
| Crude Oil/Class 3 Flammable Liquid Emergencies Transported By Rail | PER-327 | SERTC | 7-3 |
| Cyber Ethics, Web-based | AWR-174-W | NERRTC | 4-5 |
| Cyber Incident Analysis and Response, Web-based | AWR-169-W | NERRTC | 4-4 |
| Cyber Law and White Collar Crime, Web-based | AWR-168-W | NERRTC | 4-4 |
| Digital Forensics Basics, Web-based | AWR-139-W | NERRTC | 4-3 |
| Disaster Management for Electric Power Systems | MGT-345 | NERRTC | 4-8 |
| Disaster Management for Public Services | MGT-317 | NERRTC | 4-7 |
| Disaster Management for Water and Wastewater Utilities | MGT-343 | NERRTC | 4-8 |
| Disaster Preparedness for Healthcare Organizations within the Community Infrastructure | MGT-341 | NERRTC | 4-8 |
| Disaster Recovery for Information Systems, Web-based | AWR-176-W | NERRTC | 4-5 |

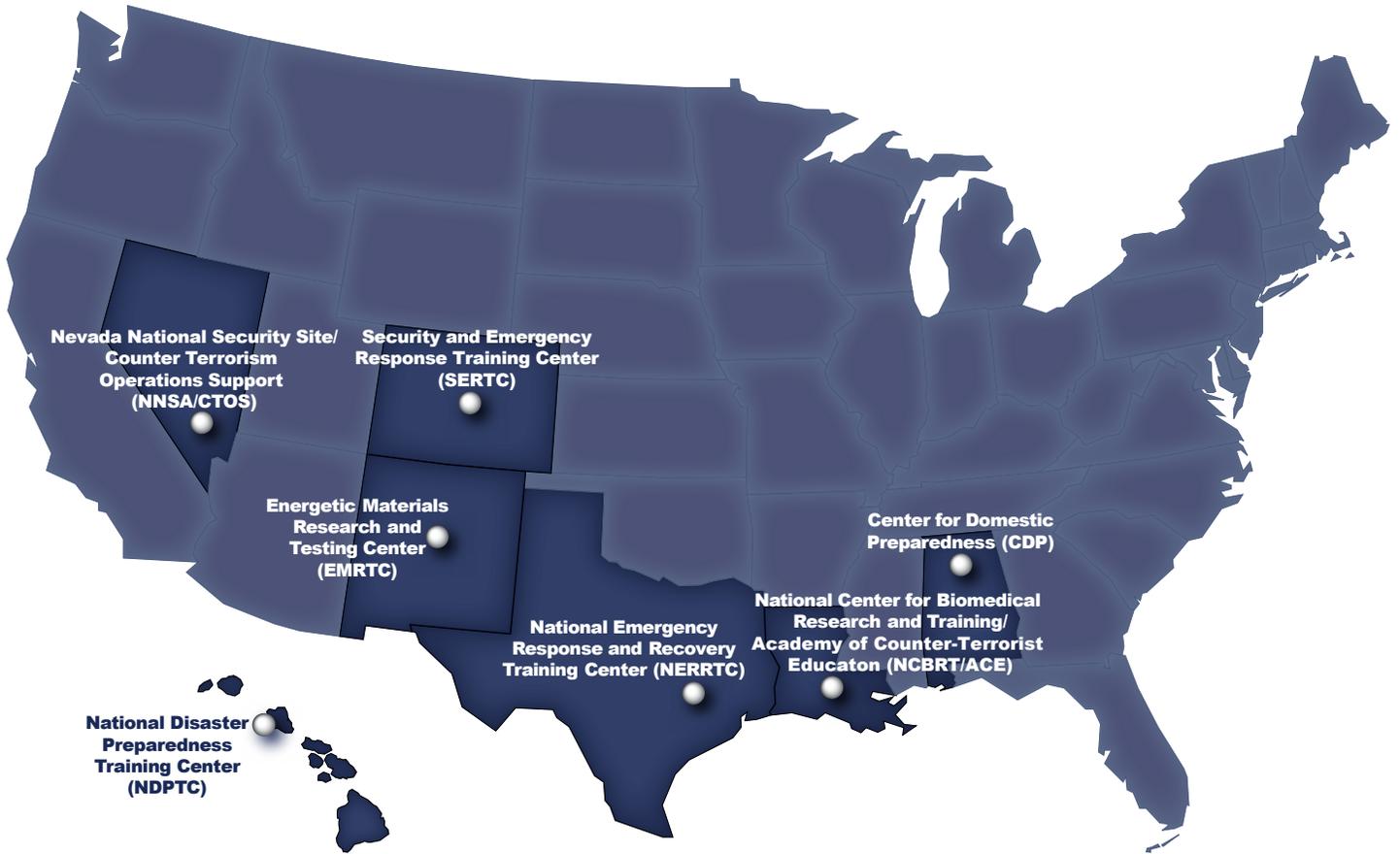
| Title | Number | Center | Pg |
|---|-------------|--------|------|
| Disaster Related Exposure Assessment and Monitoring (DREAM) | MGT-908 | CDP | 1-8 |
| Emergency Medical Operations for CBRNE Incidents (EMO) | PER-267 | CDP | 1-10 |
| Emergency Medical Response Awareness for CBRNE Incidents (EMRA) | PER-271 | CDP | 1-10 |
| Emergency Operations Center (EOC) Operations and Planning for All-Hazards Events | MGT-346 | NERRTC | 4-9 |
| Emergency Response to Domestic Biological Incidents | PER-220 | NCBRT | 3-6 |
| Enhanced All-Hazards Incident Management/Unified Command | MGT-314 | NERRTC | 4-6 |
| Enhanced Sports and Special Events Incident Management | MGT-440 | NERRTC | 4-11 |
| Environmental Health Training in Emergency Response Operations (EHTER OPS) | PER-309 | CDP | 1-10 |
| Environmental Health Training in Emergency Response: Awareness (EHTER-A) | AWR-922-W | CDP | 1-6 |
| Essentials of Community Cybersecurity | AWR-136 | NERRTC | 4-3 |
| Evacuation Planning Strategies and Solutions | MGT-461 | NDPTC | 6-5 |
| Evidence Collection in a Hazardous Materials Environment (HEC) | PER-201 | CDP | 1-8 |
| Field Force Command: Executive Course (FFCE) | MGT-300-C | CDP | 1-6 |
| Field Force Extrication Tactics – Refresher (FFE-R) | PER-202-R | CDP | 1-8 |
| Field Force Extrication Tactics (FFE) | PER-202 | CDP | 1-8 |
| Field Force Operations (FFO) | PER-200 | CDP | 1-8 |
| Field Force Operations Refresher (FFO-R) | PER-200-C | CDP | 1-8 |
| Flooding Hazards: Science and Preparedness | AWR-362 | NDPTC | 6-5 |
| Framework for Healthcare Emergency Management (FRAME) | AWR-900 | CDP | 1-6 |
| Fundamentals of Criminal Intelligence | AWR-315 | NCBRT | 3-4 |
| Hands-On Training for CBRNE Incidents (HOT) | PER-262 | CDP | 1-9 |
| Hazardous Materials Awareness (HMA) | AWR-358 | CDP | 1-5 |
| Hazardous Materials Awareness-Distance Learning (HMA-W) | AWR-358-W | CDP | 1-5 |
| Hazardous Materials Awareness-Refresher Distance Learning (HMA-R-W) | AWR-358-R-W | CDP | 1-5 |
| Hazardous Materials Basic Responder for Mass Causality Incidents (HMBR) | PER-338 | CDP | 1-12 |
| Hazardous Materials Operations (HMO) | PER-322 | CDP | 1-11 |
| Hazardous Materials Technician (HMT) | PER-272 | CDP | 1-10 |
| Hazardous Materials Technologies: Sampling, Monitoring, and Detection (HT) | PER-261 | CDP | 1-8 |
| Hazardous Materials Weapons of Mass Destruction Technician for Surface Transportation | PER-293 | SERTC | 7-3 |
| Hazardous Weather Preparedness for Campuses | AWR-332 | NDPTC | 6-4 |
| Health Sector Emergency Preparedness (HSEP) | AWR-336 | CDP | 1-4 |
| Healthcare Coalition Response Leadership (HCRL) | MGT-454 | CDP | 1-7 |
| Healthcare Emergency Response Operations for CBRNE Incidents (HERO) | PER-324 | CDP | 1-12 |
| Healthcare Leadership for Mass Casualty Incidents (HCL) | MGT-901 | CDP | 1-7 |
| Highway Emergency Response Specialist | PER-291 | SERTC | 7-2 |
| Homemade Explosive and Precursor Awareness (HME-P) | AWR-338 | CDP | 1-4 |
| Homemade Explosives: Awareness, Recognition, and Response, Mobile | AWR-313 | EMRTC | 2-3 |
| Hospital Emergency Response Training – Basic (HERT-B) | AWR-901-2 | CDP | 1-6 |
| Hospital Emergency Response Training – Basic Train-the-Trainer (HERT-B TtT) | AWR-901-1 | CDP | 1-6 |
| Hospital Emergency Response Training for Mass Casualty Incidents (HERT) | PER-902 | CDP | 1-13 |
| Hurricane Awareness | AWR-343 | NDPTC | 6-4 |
| IED Explosive Effects Mitigation (IED-EEM) | AWR-337 | CDP | 1-4 |
| Improvised Explosive Device Construction and Classification (IED-CC) | AWR-333 | CDP | 1-4 |
| Incident Command System (ICS) Forms Review | MGT-347 | NERRTC | 4-9 |
| Incident Command System Curricula, Train-the-Trainer (L449) | MGT-906 | NERRTC | 4-12 |

| Title | Number | Center | Pg |
|--|-----------|-----------|------|
| Incident Command: Capabilities, Planning and Response Actions for All Hazards (IC) | MGT-360 | CDP | 1-6 |
| Incident Complexities – Responder Actions for CBRNE Incidents (ICR) | PER-268 | CDP | 1-10 |
| Incident Response to Terrorist Bombings, Customized | AWR-230-C | EMRTC | 2-2 |
| Incident Response to Terrorist Bombings, Mobile | AWR-230 | EMRTC | 2-2 |
| Incident Response to Terrorist Bombings, Residential | PER-230 | EMRTC | 2-3 |
| Incident Response to Terrorist Bombings, Train-the-Trainer | PER-230-1 | EMRTC | 2-3 |
| Information Risk Management, Web-based | AWR-177-W | NERRTC | 4-5 |
| Information Security Basics, Web-based | AWR-173-W | NERRTC | 4-5 |
| Information Security for Everyone, Web-based | AWR-175-W | NERRTC | 4-5 |
| Initial Law Enforcement Response to Suicide Bomb Attacks (ILERSBA) | PER-907 | CDP | 1-13 |
| Initial Law Enforcement Response to Suicide Bombing Attacks, Customized | AWR-235-C | EMRTC | 2-3 |
| Initial Law Enforcement Response to Suicide Bombing Attacks, Mobile | AWR-235 | EMRTC | 2-3 |
| Instructor Development Workshop | MGT-323 | NCBRT | 3-4 |
| Instructor Training Course (ITC) | PER-266 | CDP | 1-9 |
| Intermediate Hands-on Training for CBRNE Incidents (HOT-I) | PER-900 | CDP | 1-12 |
| Intermediate Hands-On Training for CBRNE Incidents: Law Enforcement (HOT-LE) | PER-313 | CDP | 1-11 |
| Intermediate ICS for Expanding Incidents (ICS-300) | MGT-904 | NERRTC | 4-12 |
| Introduction to Improvised Nuclear Device Effects and Response Strategies | PER-307 | NNSA/CTOS | 5-4 |
| Introduction to Improvised Nuclear Device Effects and Response Strategies, Web-based | PER-307-W | NNSA/CTOS | 5-4 |
| Introduction to Radiological/Nuclear WMD Operations | AWR-140 | NNSA/CTOS | 5-2 |
| Introduction to Radiological/Nuclear WMD Operations for Emergency Medical Services/Healthcare | AWR-350 | NNSA/CTOS | 5-3 |
| Introduction to Radiological/Nuclear WMD Operations for Emergency Medical Services/Healthcare Train-the-Trainer Course | AWR-350-1 | NNSA/CTOS | 5-3 |
| Introduction to Radiological/Nuclear WMD Operations for Law Enforcement | AWR-346 | NNSA/CTOS | 5-3 |
| Introduction to Radiological/Nuclear WMD Operations for Law Enforcement Train-the-Trainer Course | AWR-346-1 | NNSA/CTOS | 5-3 |
| Introduction to Radiological/Nuclear WMD Operations Train-the-Trainer Course | AWR-140-1 | NNSA/CTOS | 5-2 |
| Introduction to Radiological/Nuclear WMD Operations, Web-based | AWR-140-W | NNSA/CTOS | 5-3 |
| Introduction to Terrorist Attack Cycle (ITAC) | AWR-334 | CDP | 1-4 |
| Introduction to the Computer-Aided Management of Emergency Operations (CAMEO) Suite | PER-229 | NCBRT | 3-7 |
| Introduction to the Computer-Aided Management of Emergency Operations (CAMEO) Suite, Train-the-Trainer | PER-229-1 | NCBRT | 3-7 |
| Law Enforcement Active Shooter Emergency Response (LASER) | PER-275 | NCBRT | 3-7 |
| Law Enforcement Active Shooter Emergency Response (LASER), Train-the-Trainer | PER-275-1 | NCBRT | 3-7 |
| Law Enforcement Prevention and Deterrence of Terrorist Acts | AWR-122 | NCBRT | 3-3 |
| Law Enforcement Prevention and Deterrence of Terrorist Acts, Customized | AWR-122-C | NCBRT | 3-3 |
| Law Enforcement Prevention and Deterrence of Terrorist Acts, Train-the-Trainer | AWR-122-1 | NCBRT | 3-3 |
| Law Enforcement Protective Measures for CBRNE Incidents (LEPM) | PER-264 | CDP | 1-9 |
| Law Enforcement Protective Measures for CBRNE Incidents, Train-the-Trainer (LEPM TtT) | PER-264-1 | CDP | 1-9 |
| Law Enforcement Response Actions for CBRNE Incidents (LERA) | PER-265 | CDP | 1-9 |
| Leadership and Management of Surface Transportation Incidents | PER-292 | SERTC | 7-2 |
| Leveraging Tools for Conducting Damage Assessments | AWR-319 | NDPTC | 6-3 |
| Leveraging Tools for Coordinated Community Disaster Communications | AWR-329 | NDPTC | 6-3 |
| Managing Critical Incidents at Institutions of Higher Education: A Whole Community Approach (Customized version MGT-361-C) | MGT-361 | NERRTC | 4-9 |
| Managing Food Emergencies: Strategies for a Community Response | MGT-447 | NCBRT | 3-6 |
| Managing Public Information for All Hazard Incidents (MPI) | MGT-902 | CDP | 1-7 |

| Title | Number | Center | Pg |
|---|-----------|-----------|------|
| Medical Countermeasures Awareness for Public Health Emergencies, Web-based | AWR-314-W | NERRTC | 4-6 |
| Medical Countermeasures: Point of Dispensing (POD), Planning and Response | MGT-319 | NERRTC | 4-7 |
| Medical Management of Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) Events | PER-211 | NERRTC | 4-12 |
| Medical Preparedness and Response for Bombing Incidents | MGT-348 | NERRTC | 4-9 |
| Medical Preparedness and Response for Bombing Incidents, Mobile | PER-233 | EMRTC | 2-4 |
| Natural Disaster Awareness for Caregivers | AWR-308 | NDPTC | 6-3 |
| Natural Disaster Awareness for Community Leaders | AWR-310 | NDPTC | 6-3 |
| Natural Disaster Awareness for Security Professionals | AWR-322 | NDPTC | 6-3 |
| Network Assurance, Web-based | AWR-138-W | NERRTC | 4-3 |
| Nuclear Detonation Response Operations | PER-377 | NNSA/CTOS | 5-6 |
| Operational Level Response to HazMat/WMD Incidents | PER-212 | NERRTC | 4-13 |
| Operational Level Response to HazMat/WMD Incidents, Train-the-Trainer | PER-212-1 | NERRTC | 4-13 |
| Operations Level Response to Radiological/Nuclear WMD | PER-348 | NNSA/CTOS | 5-5 |
| Operations Level Response to Radiological/Nuclear WMD for Emergency Medical Services/Healthcare | PER-370 | NNSA/CTOS | 5-5 |
| Pediatric Disaster Response and Emergency Preparedness | MGT-439 | NERRTC | 4-11 |
| Personal Protective Equipment-Mission Specific Competencies | PER-347 | NNSA/CTOS | 5-5 |
| Physical and Cybersecurity for Critical Infrastructure | MGT-452 | NERRTC | 4-11 |
| Planning for Disaster Debris Management | MGT-460 | NDPTC | 6-5 |
| Population Monitoring at Community Reception Centers | PER-332 | NNSA/CTOS | 5-4 |
| Prevention of and Response to Suicide Bombing Incidents, Customized | AWR-231-C | EMRTC | 2-3 |
| Prevention of and Response to Suicide Bombing Incidents, Mobile | AWR-231 | EMRTC | 2-2 |
| Prevention of and Response to Suicide Bombing Incidents, Residential | PER-231 | EMRTC | 2-4 |
| Prevention of and Response to Suicide Bombing Incidents, Train-the-Trainer | PER-231-1 | EMRTC | 2-4 |
| Preventive Radiological/Nuclear Detection (PRND) Team Operations | PER-318 | NNSA/CTOS | 5-4 |
| Preventive Radiological/Nuclear Detection Maritime Operations | PER-350 | NNSA/CTOS | 5-5 |
| Preventive Radiological/Nuclear Detection Team Leader | PER-351 | NNSA/CTOS | 5-5 |
| Primary Screener/Personal Radiation Detector | PER-243 | NNSA/CTOS | 5-3 |
| Primary Screener/Personal Radiation Detector Refresher | PER-300 | NNSA/CTOS | 5-4 |
| Primary Screener/Personal Radiation Detector Refresher, Web-based | PER-300-W | NNSA/CTOS | 5-4 |
| PRND Backpack Operations for the Primary Screener | PER-246 | NNSA/CTOS | 5-4 |
| PRND Backpack Refresher | PER-349 | NNSA/CTOS | 5-5 |
| Protective Measures Awareness (PMA) | AWR-340 | CDP | 1-5 |
| Protective Measures Course (PMC) | PER-336 | CDP | 1-12 |
| Protective Measures Course Train-the-Trainer (PMC TtT) | PER-336-1 | CDP | 1-12 |
| Public Information in an All-Hazards Incident | MGT-318 | NERRTC | 4-7 |
| Public Safety CBRNE Response – Sampling Techniques and Guidelines | PER-222 | NCBRT | 3-6 |
| Radiation Instruments Employment | PER-355 | NNSA/CTOS | 5-5 |
| Radiation Instruments Operations | PER-345 | NNSA/CTOS | 5-4 |
| Radiological Emergency Preparedness Exercise Evaluator Course (REEC) | PER-314 | CDP | 1-11 |
| Radiological Emergency Response Operations (RERO) | PER-904 | CDP | 1-13 |
| Radiological Operations Support Specialist Training | PER-378 | NNSA/CTOS | 5-6 |
| Radiological Series Train-the-Trainer (TtT) | PER-908-1 | CDP | 1-13 |
| Readiness: Training Identification and Preparedness Planning | MGT-418 | NCBRT | 3-5 |
| Readiness: Training Identification and Preparedness Planning | MGT-418 | NERRTC | 4-11 |

| Title | Number | Center | Pg |
|--|-----------|-----------|------|
| REP Accident Assessment Course (RAAC) | PER-316 | CDP | 1-11 |
| REP Core Concepts Course (RCCC) | AWR-317 | CDP | 1-3 |
| REP Disaster Initiated Review (RDIR) | AWR-318 | CDP | 1-3 |
| REP Plan Review Course (RPPR) | MGT-445 | CDP | 1-7 |
| Respiratory Protection: Program Development and Administration (RP) | PER-263 | CDP | 1-9 |
| Response to Radiological/Nuclear WMD Incidents | PER-354 | NNSA/CTOS | 5-5 |
| Response to Suspicious Behaviors (RSBI) | AWR-335 | CDP | 1-4 |
| Risk Management for After School Activities and Interscholastic Athletics, Web-based | AWR-375-W | NERRTC | 4-6 |
| Secondary Screener/Radiation Isotope Identifier Device | PER-245 | NNSA/CTOS | 5-3 |
| Secure Software, Web-based | AWR-178-W | NERRTC | 4-5 |
| Senior Officials Workshop for All-Hazards Preparedness | MGT-312 | NERRTC | 4-6 |
| Shopping Center Security Terrorism Awareness Training Program, Web-based | AWR-304-W | NCBRT | 3-4 |
| Site Protection through Observational Techniques (SPOT) | AWR-219 | NCBRT | 3-3 |
| Site Protection through Observational Techniques (SPOT) | AWR-219-C | NCBRT | 3-4 |
| Site Protection through Observational Techniques (SPOT), Train-the-Trainer | AWR-219-1 | NCBRT | 3-3 |
| Social Media Engagement Strategies | PER-343 | NDPTC | 6-5 |
| Social Media Platforms for Disaster Management | PER-304 | NDPTC | 6-5 |
| Social Media Tools and Techniques | PER-344 | NDPTC | 6-6 |
| Sport and Special Event Enhanced Risk Management and Assessment | MGT-466 | NERRTC | 4-11 |
| Sport and Special Event Public Information and Emergency Notification | MGT-467 | NERRTC | 4-12 |
| Sport Event Risk Management | AWR-167 | NERRTC | 4-4 |
| Sport Venue Evacuation and Protective Actions | MGT-412 | NERRTC | 4-10 |
| Sports and Special Events Incident Management | MGT-404 | NERRTC | 4-10 |
| Standardized Awareness Authorized Training, Train-the-Trainer (SAAT) | AWR-160-1 | CDP | 1-3 |
| Standardized Awareness Training (SAT) | AWR-160 | CDP | 1-3 |
| Standardized Awareness Training (SAT) | AWR-160 | NERRTC | 4-4 |
| Strategic National Stockpile Preparedness Course (SNS) | PER-310 | CDP | 1-10 |
| Strategic Overview of Disaster Management for Water and Wastewater Utilities | MGT-342 | NERRTC | 4-8 |
| Surface Transportation Emergency Preparedness and Security – Freight | PER-326 | SERTC | 7-3 |
| Surface Transportation Emergency Preparedness and Security – Mass Transit and Passenger Rail | PER-330 | SERTC | 7-3 |
| Surface Transportation Emergency Preparedness and Security – Senior Officials | PER-331 | SERTC | 7-4 |
| Surviving an Active Threat: Run. Hide. Fight. | PER-375 | NCBRT | 3-9 |
| Surviving an Active Threat: Run. Hide. Fight., Train-the-Trainer | PER-375-1 | NCBRT | |
| Tactical Hazardous Materials Operations in Surface Transportation | PER-367 | SERTC | 7-4 |
| Tactical Operations for CBRNE Incidents | PER-221 | NCBRT | 3-6 |
| Tank Car Specialist | PER-290 | SERTC | 7-2 |
| Team Approach to Foodborne Outbreak Response | PER-298 | NCBRT | 3-8 |
| Threat Hazard Recognition and Emergency Actions Training for CBRNE Incidents (THREAT) | PER-901 | CDP | 1-12 |
| The Threat and Hazard Identification and Risk Assessment and Stakeholder Preparedness Review (THIRA/SPR) | MGT-310 | NERRTC | 4-6 |
| Tornado Awareness | AWR-326 | NDPTC | 6-3 |
| Transportation Container Loading and Unloading Emergency Response | PER-381 | SERTC | 7-4 |
| Tsunami Awareness | AWR-217 | NDPTC | 6-2 |
| Understanding and Planning for School Bomb Incidents, Mobile | AWR-132 | EMRTC | 2-2 |
| Understanding and Planning for School Bomb Incidents, Web-Based | AWR-132-W | EMRTC | 2-2 |

| Title | Number | Center | Pg |
|---|---------------|---------------|-----------|
| Understanding Targeted Cyber Attacks | AWR-376 | NERRTC | 4-6 |
| Unmanned Aircraft Systems for Disaster Management | AWR-345 | NDPTC | 6-4 |
| Volcanic Crises Awareness | AWR-233 | NDPTC | 6-2 |
| When Disaster Strikes: Prepare, Act, Survive | PER-334 | NERRTC | 4-13 |
| Wide Area Search | PER-213 | NERRTC | 4-13 |
| Winter Weather Hazards: Science and Preparedness | AWR-331 | NDPTC | 6-4 |
| WMD/Terrorism Awareness for Emergency Responders, Web-based | AWR-160-W | NERRTC | 4-4 |



National Emergency
Response and Recovery
Training Center



Center for
Domestic
Preparedness



FEMA