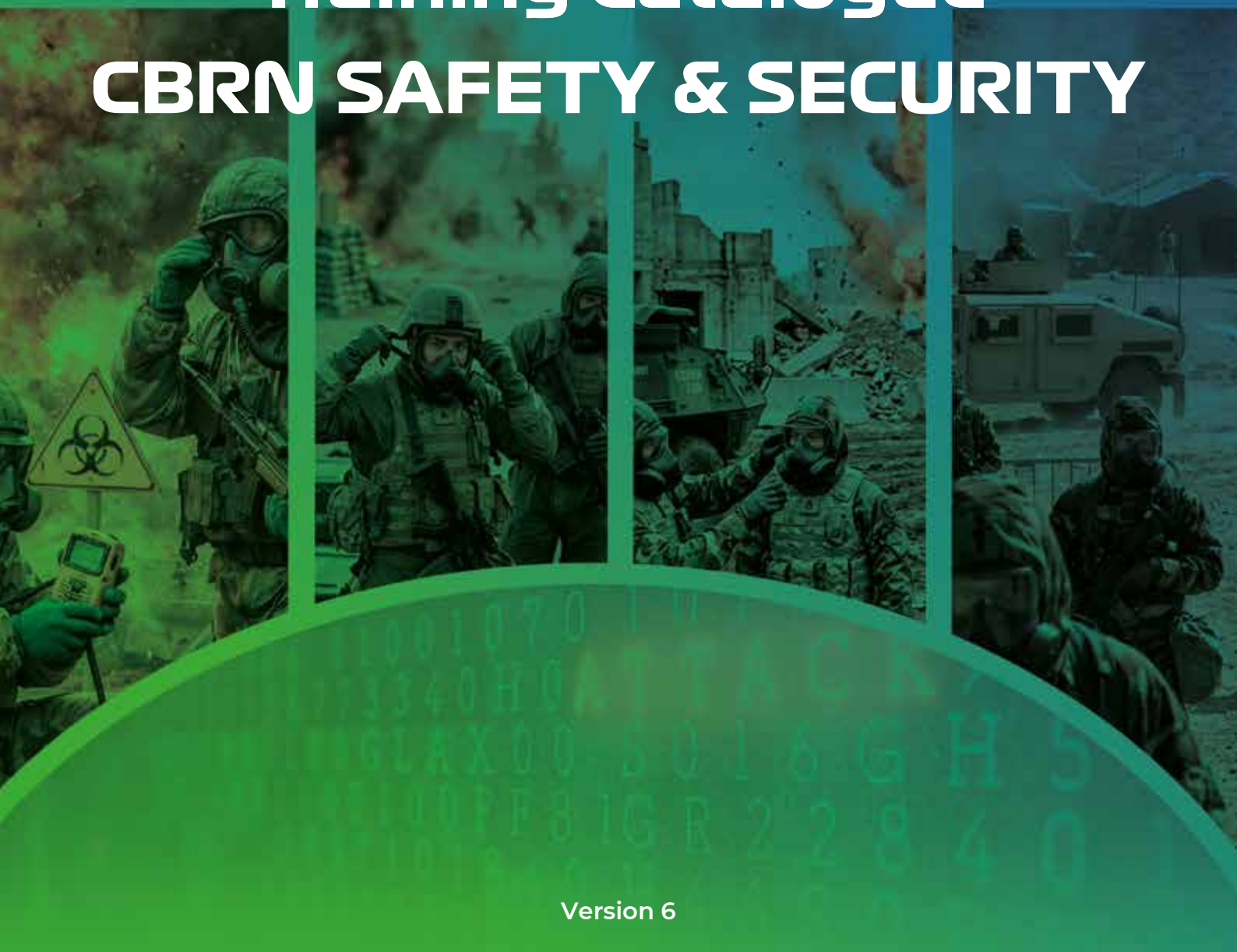




MISSION SUPPORT

Training Catalogue CBRN SAFETY & SECURITY



WELCOME

Welcome to the official Mission Support CBRN Training Catalogue, version 6. This document provides essential information on our latest safety and security training programs, specifically designed to meet the evolving needs of professionals in the field of Chemical, Biological, Radiological, and Nuclear (CBRN) defense.



CBRN TRAINING CATALOGUE

Field Operations & Emergency Response

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Awareness Level

Course Code	Title	Duration	Page
MS/CBRN 101	CBRN Awareness	10 hours	19
MS/RSA 101	Radiation Safety Awareness	10 hours	20
MS/BSA 101	Biological Safety Awareness	10 hours	21
MS/CSA 101	Chemical Safety Awareness	10 hours	22
MS/EQUIP 101	CBRN Related Equipment - Initial Familiarization	18 hours	23
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Basic Level

Course Code	Title	Duration	Page
MS/CBRN 201	CBRN Basic	20 hours	25
MS/RSB 201	Radiation Safety Basic	24 hours	26
MS/BSB 201	Biological Safety Basic	24 hours	27
MS/CSB 201	Chemical Safety Basic	24 hours	28
MS/EQUIP 201	CBRN Equipment – Types & Uses	18 hours	29
MS/EQUIP 202	CBRN Detection & Identification	40 hours	30
MS/DECON 201	CBRN Decontamination	30 hours	31
MS/FAID 201	CBRN First Aid	24 hours	32
MS/FMAIL 201	CBRN for Freight and Mail Receivers	24 hours	33
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Advanced Level

Course Code	Title	Duration	Page
MS/LACWI 301	Live Agent CWA Individual Level	40 hours	35
MS/LABWI 301	Live Agent Biological Individual Level	40 hours	36
MS/LARADI 301	Live Agent Radiological Individual Level	40 hours	37
MS/LAMED 301	Live Agent CBRN Medical Responder	40 hours	38
MS/NDE 301	Non-Destructive Evaluation Techniques for CBRN EOD Operators	40 hours	39
MS/FOREN 301	CBRN Forensics	24 hours	40
MS/ACHEM 301	Analytical Chemistry of CWA and precursors. Introduction	30 hours	41
MS/SIBCRA 301	Sampling and identification of CBRN agents/materials	80-160 hours	42
MS/SIBCRA 302	Sampling and Identification of CBR Agents (SIBCRA)	240 hours	43
MS/SIBCRA 303	Live Agent Sampling and Identification of CBR Agents (SIBCRA)	40 hours	44
MS/WLHS 301	Workload Heat Stress in PPE	8 hours	45
MS/LAMSP 301	Live Agent CW Munitions Leak Seal Pack Procedures	40 hours	46
MS/LADI 301	Live Agent CBR Device Investigation	40 hours	47



MS/ENVSA 301	CBRN Environment Sampling	80 hours	48
MS/ENVAN 301	CBRN Analysis of Environmental Samples	80 hours	49
MS/HANDID 301	Handling of CBRN Improvised devices	6 hours	50
MS/LARTM 301	Live Agent CBR Response Team Member and scenario training	80 hours	51
MS/NET 301	Nuclear Emergency Training (NET)	40 hours	52
MS/MBT 301	Methodologies for monitoring, triggering, detection, and Identification of biological threats	8 hours	53
MS/TLSCN 301	Team Leader CBRN Scenario Training	40 hours	54
MS/LARTL 301	Live Agent Training CBR Response Team Leader	40 hours	55
MS/INCOM 301	CBRN Incident Commander	64 hours	56
MS/PREOD 301	Planning Response to CBRN EOD Incident	40 hours	57
MS/TVA 301	CBRN Threats and Vulnerability Assessment	40 hours	58
MS/BIODEF 301	Biodefense Strategies	10 hours	59



Specialized (Management Level Advanced)

MS/TETSR 401	CBRN and Terrorism - Evolving Threats and Strategic Responses	42 hours	60
MS/WMDIN 401	WMD - International Norms that Focus on WMD Threats	42 hours	61
MS/DUSECE 401	Dual-use Chemicals and Equipment	10 hours	62
MS/CBRNDS 401	CBRN Defense Strategy	10 hours	63
MS/BIODEF 401	Biodefense, -Resilience and - Consequence Management	80 hours	64
MS/THSDG 401	Transportation, Handling, and Storage of Hazardous Goods & Materials	16 Hours	65
MS/BIO 401	Epidemiology of New Emerging Diseases	16 hours	66

The background of the cover is a dark, tactical scene with soldiers in combat gear. Overlaid on this are various scientific and technical elements: chemical structures (one with 'No', 'Ch', 'Hg', 'Hz' labels and another with 'Ch', 'C', 'B' labels), a bar chart inside a circular arrow, and glowing blue circuit lines.

MISSION SUPPORT CBRN TRAINING CATALOGUE

INTRODUCTION

Mission Support (MS) is a European company and a specialized provider of safety, security, training, equipment, consulting services and manpower services, delivering high-level tactical and operational solutions for governments and international clients. As a Niche Tier 1 training center, it incorporates the latest combat theatre updates and draws response expertise from elite units and specialists worldwide, covering areas from Close Target Recce (CTR) and Close Quarters Battle/Combat (CQB-Ct) to Chemical, Biological, Radiological, Nuclear and Explosives (CBRNe) response operations. The company offers tailored training and operational support to clients worldwide, emphasizing comprehensive risk assessments and broad-spectrum security strategies.

WHAT MS OFFERS IN SAFETY & SECURITY

MS offers a comprehensive portfolio of professional CBRN/HazMat training programs tailored to military, security sector, first responders in civil defense, and fire brigades requirements. Courses are designed to support capability development across strategic, operational, and tactical levels.

Training Focus Areas

- CBRN threat assessment, risk assessment, and mitigation methodologies
- Detection, identification, and monitoring operations
- Individual and collective protection measures
- CBRN response and incident command system (ICS), and procedures
- Decontamination operations and hazard mitigation
- Consequence management and recovery planning



Target Audience

- Military units and specialized CBRN response teams elements
- Civil defense/protection agencies and municipalities
- Joint and combined task forces
- Security forces and government agencies
- Individual operators, team leaders, and command staff

Training Outcomes

Upon completion, participants will be able to:

- Operate effectively in CBRN-contested environments
- Apply CBRN defense and response procedures
- Integrate CBRN plans and procedures into operational planning and execution
- Enhance unit and first responders readiness, survivability, and mission continuity of operations



WE ARE CBRN TRAINING EXPERTS

Protecting the Future

WHO WE ARE

MS is supported by a highly qualified team of specialists and internationally recognized experts of the highest caliber, possessing deep expertise across a range of specialized disciplines related to safety and security. These areas of expertise include, but are not limited to:

- Public health and bio defense
- International security, arms control, and disarmament
- Risk management (risk assessment, risk mitigation and risk elimination)
- Preparedness for, and consequence management of, incidents involving CBRN/HazMat materials
- Safe handling and management of dangerous goods in transportation, processing, and industrial operations (ICAO and IMO as well as other international standards for transportation and handling of dangerous goods)
- Mass-casualty management
- Prohibition of chemical and biological weapons
- Detection and identification of CBRN/HazMat materials
- Sampling of CBRN/HazMat devices and materials
- Physical protection technologies and systems (individual, team and civilian protection)
- Decontamination technologies and methods (individual and mass decontamination)
- First aid and medical response for contaminated casualties (first responders and the public)
- Investigation of CBRN/HazMat-related incidents and events

MS's experts were among the pioneers involved in the establishment of the Organization for the Prohibition of Chemical Weapons (OPCW), headquartered in The Hague, the Netherlands, which is responsible for overseeing the implementation of the Chemical Weapons Convention (CWC). The CWC represents the first multilateral disarmament treaty to comprehensively prohibit an entire class of weapons of mass destruction.

These individuals made substantial and sustained contributions throughout all stages of the Convention's development—from the negotiation phase in Geneva, through the preparatory process, and ultimately to its full implementation. In recognition of its significant role in advancing global peace and security, the OPCW was awarded the Nobel Peace Prize in 2013.



CBRN Training

LEARNING METHODOLOGY

ADAPTIVE • IMMERSIVE • PRACTICAL

LEARNING METHODOLOGY

MS training courses are delivered through a comprehensive, blended learning approach designed to ensure measurable learning outcomes and operational readiness. Each course is built around clearly defined learning objectives and follows a structured instructional sequence that combines theory with hands-on application.

Training courses are conducted online, presentational, theoretical, and practical or a blend of all modalities depending on client's needs and learning objectives. They may begin with expert-led lectures and presentations, supported by interactive question-and-answer sessions and guided discussions. These classroom components are reinforced through tabletop exercises, case studies, and realistic scenario-based training that allow participants to apply concepts in practical contexts.

Where applicable, courses include field exercises that simulate real-world operational environments. These exercises enable participants to integrate newly acquired knowledge and skills under realistic conditions, translating lessons learned into improved performance, enhanced decision-making, increased safety in the field, and mastering the capability of use of required equipment and technology.

Selected courses incorporate live-agent training to provide participants with critical, high-impact experience in managing real-life emergencies where precision and confidence are essential. This dynamic and interactive training draws on best practices and lessons learned from actual incidents.

Participant progress is monitored continuously throughout the course. Daily reviews identify achievements and learning gaps, with individualized mentoring provided to support each participant's development. Knowledge checks and formative assessments—such as quizzes and oral or written evaluations—are used to verify understanding and practical competence.

Each course concludes with a final assessment to confirm achievement of the stated learning objectives. Depending on the course and certification pathway, successful participants receive certificates issued by MS or its accredited partners. Certification is typically based on full course participation and demonstrated theoretical knowledge and practical proficiency.



TRAINING PORTFOLIO

MS's training portfolio is designed to build strategic, tactical, and operational readiness and enhance the capabilities of crisis and emergency response personnel. Our courses support first responders, including fire services, law enforcement, emergency medical services, consequence management teams—as well as first receivers such as healthcare facility personnel, safety and security staff, civil servants, and hazardous materials disposal specialists.

The training programs enable participants to effectively plan and organize response operations and safely operate in contaminated environments, ensuring the rapid saving of lives and the mitigation of consequences arising from CBRN/HazMat accidents and incidents.

Participants are encouraged to train using their own operational equipment to maximize realism and relevance. If this is not feasible, MS provides certified CBRN equipment for use during training modules conducted outside the client's premises.

Most courses are delivered on-site at the client's location. By mutual agreement, selected training modules may also be conducted at MS facilities or at other approved locations. MS offers flexible service levels, ranging from basic course delivery to full-service training solutions that include course organization, facilities, travel, accommodation, and catering.

Certain specialized training modules require access to certified CBRN training centers and can therefore only be conducted at designated facilities within Europe.



STANDARD TRAINING COURSES

The standard courses presented in this catalogue are structured in modular formats that may be delivered independently or combined to meet specific mission, capability, and operational requirements. Courses may be implemented as designed or tailored to address the needs of personnel operating at tactical, operational, and strategic/command levels, in line with NATO, EU, and UN training doctrines.

MS's training programs are designed to support progressive capability development across multiple competency levels, ranging from Individual (Awareness) and Individual (Advanced) to collective training levels, as required. Training content is aligned with role-specific responsibilities and operational functions, enabling participants to effectively prevent, prepare for, respond to, and recover from the full spectrum of CBRNE/HazMat threats within civilian, military, and civil-military operational environments.

Command-Level courses are intended for personnel holding, or preparing to assume, leadership and decision-making roles within national or multinational response structures. Course objectives are designed to:

- Enhance commanders' and managers' ability to make informed, timely decisions to control and mitigate the consequences of CBRN/HazMat incidents; and
- Strengthen preparedness planning, crisis and consequence management, major public event security planning, and interagency, multinational, and civil-military coordination in accordance with NATO, EU, and UN operational principles.
- Develop coordination and collaboration strategy and plans through incident command system (ICS) and/or unified command system (UCS) with other jurisdictions.
- Contribute to the development and practice of standard operating procedures (SOPs) and working instructions (WIs).

MS also delivers Live Agent Training (LAT) at individual and collective levels, conducted in accordance with MS standard training objectives or tailored to meet the client's strategic, operational, and tactical requirements. Due to its specialized nature, LAT is subject to stringent regulatory, safety, and governance frameworks and is conducted exclusively at certified CBRN training facilities in Europe. These facilities are authorized to work with toxic chemical agents and operate strictly within internationally accepted Occupational Exposure Limits (OELs).



SPECIALIZED COURSES

MS delivers a comprehensive portfolio of advanced specialized courses designed to support capability development in accordance with NATO CBRN defense principles, the EU CBRN Risk Mitigation approach, and United Nations capacity-building and preparedness frameworks. These courses strengthen national and multinational capabilities across the full CBRN/HazMat lifecycle, including prevention, preparedness, response, recovery, and resilience.

Core specialized courses include CBRN/HazMat protection and detection; CBRN decontamination; sampling, identification, and chain-of-custody management of CBRN agents and materials; and CBRN medical management. These programs develop the operational competencies required to select and apply appropriate personal protective equipment, detection and identification technologies, and decontamination methods in compliance with internationally recognized standards. Training in sampling and identification ensures the safe and legally defensible collection of environmental and clinical samples, enabling accredited laboratories to conduct reliable scientific analysis and supporting attribution efforts where required. Medical management courses focus on clinical recognition, triage, and treatment of CBRN-exposed casualties based on agent-specific signs and symptoms.

Additional specialized courses support EU and UN risk mitigation priorities and NATO interoperability objectives, including CBRN/HazMat threat assessment and risk management; Non-Destructive Evaluation (NDE) techniques for CBRN explosive ordnance disposal (EOD) operators; CBRN preparedness and response for freight, mail, and supply-chain personnel; and CBRN forensics. Further offerings address the design and implementation of CBRN-resilient environments, biodefense, resilience, and consequence management, as well as weapons of mass destruction within the context of international legal norms, dual-use chemicals & equipment, and the evolving relationship between CBRN threats and terrorism.

For policymakers, senior officials, and strategic planners, MS provides tailored courses focused on strengthening governance, regulatory oversight, and national coordination mechanisms for CBRN risk reduction. These courses support the development of sustainable preparedness and response frameworks, promote whole-of-government and whole-of-society approaches, and contribute to the creation of resilient systems aimed at preventing CBRN incidents and minimizing their societal, economic, and security impacts.



TAILORED TRAINING AND CONSULTING

Each of the standard courses presented in this catalogue is composed of modular training units that can be delivered in various configurations. Courses may be conducted as outlined or adapted to meet the specific requirements of the client, including alignment with existing national training programs or operational frameworks.

In addition to standard offerings, MS designs and delivers fully customized training and consulting solutions tailored exclusively to the client's objectives and operational context. These tailored programs are developed to ensure maximum relevance, effectiveness, and applicability, enabling the achievement of clearly defined and measurable outcomes.

The development of a tailored course is undertaken through a structured consultative process, beginning with a comprehensive needs assessment. In close coordination with the client, MS reviews current activities, strategic objectives, operational challenges, and required competencies. Based on this assessment, MS designs a training or advisory program that directly addresses identified gaps and priorities.

Throughout the development process, the client remains actively involved and retains full input into the definition of course objectives, content, competency level, duration, delivery format, and target audience. This collaborative approach ensures that each tailored training or consulting engagement is fully aligned with the client's operational environment, institutional requirements, and long-term capacity-building goals.

CBRN COURSE

LEVEL AND STRUCTURE



COURSE LEVEL AND STRUCTURE

MS training courses are organized into four progressive levels, aligned with participants' roles and operational responsibilities in CBRN/HazMat preparedness and response:

At each level, a range of courses is available to ensure participants acquire the competencies required to operate effectively and safely.

Participation at some of higher courses in Advance and Specialized courses is conditioned upon successful graduation of awareness and/or basic courses.

Awareness Level

Introductory training for personnel who may encounter CBRN situations in the course of their duties but are not involved in direct response. Emphasis is placed on recognition, protection, and reporting.

Basic Level

Designed for personnel who may be required to recognize and initially respond to potential CBRN situations without performing technical intervention. Target audiences include military, law enforcement, emergency responders, medical staff, safety and security personnel, civil servants, diplomats, and other professionals seeking foundational CBRN knowledge.

Advanced Level

In-depth training for responders and specialists expected to intervene during CBRN incidents. Courses emphasize practical, hands-on training and, where applicable, live-agent exercises. Participants include emergency responders, fire and HazMat units, EMS personnel, healthcare clinicians, security forces, and non-destructive evaluation (NDE) operators.

Specialized Level

Role-specific training for technical specialists, operational teams, commanders, and management personnel, addressing advanced functions and complex operational requirements.



MISSION SUPPORT

Courses Descriptions





MS/CBRN 101: CBRN Awareness

Course code: MS/CBRN 101

Type: Awareness

Duration: 10 hours

Prerequisite: None

Delivery: Classroom only

Instructors: 3

Number of Participants: 20

Award/Certification: Certificate of Attendance

Description:

This CBRN Awareness Course provides participants with a foundational understanding of Chemical, Biological, Radiological, and Nuclear (CBRN) threats and hazards.

Objectives:

By the end of the course, participants will be able to:

Training Audience:

- Emergency & Response Personnel
- Military & Government Personnel
- Healthcare & Public Health Professionals
- Industry & Infrastructure Workers
- Security, Safety & Management Roles
- Education & Research
- Volunteers & NGOs

- Define CBRN threats
- Recognize indicators of a CBRN incident
- Understand health effects
- Apply personal safety principles
- Take appropriate initial actions
- Understand reporting and communication procedures
- Understand decontamination concepts
- Recognize role limitations
- Promote preparedness and resilience



MS/RSA 101: Radiation Safety Awareness

Course code: MS/RSA 101

Type: Awareness

Duration: 10 hours

Prerequisite: None

Delivery: Classroom only

Instructors: 3

Number of Participants: 20

Award/Certification: Certificate of Attendance

Objectives:

- Understand basic radiation concepts, types of radiation, and common sources
- Recognize the potential health effects and risks associated with radiation exposure
- Apply fundamental radiation protection principles
- Identify radiation warning signs, labels, and controlled areas
- Follow safe work practices when working in or around radiation environments
- Respond appropriately to radiation incidents, spills, or emergencies
- Comply with relevant radiation safety regulations, policies, and procedures

Description:

The Radiation Safety Awareness Course is designed to provide participants with a basic understanding of radiation, its uses, associated risks, and essential safety principles.

Training Audience:

- Stakeholders who may encounter a CBRN/HazMat situation within the course of their duties but are not acting for direct response.
- Laboratory personnel handling radioactive materials
- Industrial workers using radiation-emitting equipment
- Maintenance, engineering, and technical staff working near radiation sources
- Radiation Safety Officers (RSOs) and safety representatives
- Research staff and students in scientific or academic settings
- Contractors, visitors, or support staff requiring radiation safety awareness
- Managers and supervisors responsible for radiation safety compliance



MS/BSA 101: Biological Safety Awareness

Course code: MS/BSA 101

Type: Awareness

Duration: 10 hours

Prerequisite: None

Delivery: Classroom only

Instructors: 1

Number of Participants: 20

Award/Certification: Certificate of Attendance

Objectives:

- Understand basic biological safety concepts and common biological hazards
- Identify different types of biological agents and routes of exposure
- Use appropriate personal protective equipment (PPE) correctly
- Understand laboratory and workplace biosafety levels and controls
- Follow procedures for handling, storage, and disposal of biological materials
- Respond appropriately to biological spills, exposures, and emergencies
- Comply with relevant biological safety regulations, policies, and guidelines

Description:

The Biological Safety Awareness Course provides essential knowledge and practical guidance for working safely with biological materials in laboratories, healthcare settings, and related work environments.

Training Audience:

- Laboratory personnel working with biological materials
- Healthcare professionals (doctors, nurses, allied health staff)
- Research staff and students in scientific or academic institutions
- Biotechnology and pharmaceutical employees
- Environmental health and public health workers
- Waste management and cleaning staff handling biological waste
- Maintenance, engineering, and technical staff working in controlled areas
- Contractors, visitors, or support staff requiring biological safety awareness
- Managers and supervisors responsible for biological safety compliance



MS/CSA 101: Chemical Safety Awareness

Course code: MS/CSA 101

Type: Awareness

Duration: 10 hours

Prerequisite: None

Delivery: Classroom only

Instructors: 1

Number of Participants: 20

Award/Certification: Certificate of Attendance

Objectives:

- Understand fundamental chemical safety concepts within a CBRN framework
- Identify chemical hazards relevant to CBRN incidents, (awareness level)
- Recognize routes of exposure and potential health effects of chemical agents
- Interpret chemical hazard signage, labels, and warning systems
- Understand the role of detection of hazardous chemicals of CWA.
- Apply appropriate personal protective equipment (PPE) principles for chemical hazards
- Understand emergency procedures, including isolation, evacuation, and decontamination (awareness level)

Description:

The CBRN Chemical Safety Awareness Course provides participants with essential knowledge to recognize, understand, and safely manage chemical hazards within a CBRN environment.

Training Audience:

- Emergency responders (firefighters, civil defense, hazardous materials teams)
- Security, law enforcement, and border control personnel
- Public health and environmental protection officers
- Laboratory and technical staff working with hazardous or dual-use chemicals
- Military and defense personnel involved in CBRN preparedness or operations
- Incident command staff, safety officers, and emergency coordinators
- Contractors and support staff operating in CBRN-relevant environments
- Managers and supervisors responsible for chemical safety and CBRN compliance



CBRN EQUIPMENT

PROTECTION & RESPONSE SOLUTIONS

MS/EQUIP 101: CBRN Equipment Familiarization

Course code: MS/EQUIP 101

Type: Awareness

Duration: 18 hours

Prerequisite: None

Delivery: Classroom only

Instructors: 3

Number of Participants: 20

Award/Certification: Certificate of Attendance

Description:

The CBRN Equipment Familiarization Course introduces participants to the purpose, basic operation, and safe use of CBRN detection, protection, and response equipment used in chemical, biological, radiological, and nuclear environments.

Objectives:

The objective of a CBRN Related Equipment course is to familiarize the participants with CBRN equipment. Types, strengths, and weak points of each piece of equipment individually and in combination with other pieces of equipment, in both routine duties and emergency situations.

- Understand CBRN equipment capabilities
- Familiarize with safe and correct use
- Get acquainted with detection, identification, and monitoring equipment
- Enable effective incident response
- Ensure compliance and standardization

Training Audience:

A CBRN Related Equipment course is designed for people who may operate, manage, support, or make decisions involving CBRN detection, protection, or response equipment. Typical attendees include:

- Emergency & First Responders
- Military & Security Personnel
- Industrial & Infrastructure Workers
- Technical & Scientific Staff
- Trainers & Decision-Makers
- Those who needs to correctly use, maintain, or select CBRN-related equipment



MS/DECON 101: Emergency Decontamination Awareness

Course code: MS/DECON 101

Type: Awareness

Duration: 10 hours

Prerequisite: None

Delivery: Classroom only

Instructors: 2

Number of Participants: 20

Award/Certification: Certificate of Attendance

Description:

The CBRN Emergency Decontamination Awareness Course provides participants with the knowledge and skills requirement to plan, establish, and conduct emergency decontamination operations following CBRN incidents. The Course focuses on protecting responders, affected populations, and critical assets by reducing contamination, limiting secondary exposure and supporting effective incident response.

Objectives:

To enable participants to get familiar with principles of how to reduce casualties, protect responders, and prevent the spread of contamination by conducting effective emergency decontamination operations under challenging and time-pressured conditions.

- Understand CBRN decontamination principles
- Assess and manage contamination risks
- How to conduct emergency and mass decontamination
- Principles of how to protect responders and casualties
- How to integrate decontamination into incident response
- How to use equipment safely and effectively

Training Audience:

A CBRN Emergency Decontamination Course is intended for personnel who may be required to plan, set up, manage, or conduct decontamination of people, equipment, or facilities following a chemical, biological, radiological, or nuclear incident.

- Emergency & First Responders
- Healthcare & Medical Support Staff
- Military & Security Personnel
- Industrial & Facility Emergency Teams
- Government & Civil Authorities
- Command, Control & Support Roles



MS/CBRN 201: CBRN Basic

Course code: MS/CBRN 201

Type: Basic

Duration: 20 hours

Prerequisite: CBRN Awareness

Delivery: Classroom only

Instructors: 3

Number of Participants: 20

Award/Certification: Certificate of Attendance

Description:

The CBRN Basic Course is designed to provide experienced personnel with an in-depth understanding of advanced CBRN threats, response strategies, and operational decision-making. Building on foundational CBRN Awareness, the course focuses on the analysis, management, and coordination of complex CBRN incidents across tactical, operational, and strategic levels.

Objectives:

The CBRN Basic Course aims to develop participants' ability to analyze, manage, and lead responses to complex CBRN incidents at tactical, operational, and strategic levels.

- Analyze CBRN threats
- Conduct risk assessment and decision-making
- Interpret detection and monitoring data
- Manage and coordinate CBRN operations
- Enhance responder and public protection
- Plan and oversee decontamination and recovery

Training Audience:

The CBRN Basic Course is intended for personnel who already possess foundational CBRN Awareness or operational experience and who are required to analyze, manage, coordinate, or lead responses to complex CBRN incidents.

- Military & Security Personnel
- Emergency Management & Response Leadership
- Technical & Scientific Specialists
- Government, Policy & Regulatory Authorities
- Industrial & Critical Infrastructure Leadership
- Training, Planning & Advisory Roles



MS/RSB 201: Radiation Safety Basic

Course code: MS/RSB 201

Type: Basic

Duration: 24 hours

Prerequisite: RAD Safety Awareness

Delivery: Classroom only

Instructors: 1

Number of Participants: 20

Award/Certification: Certificate of Attendance

Description:

The Radiation Safety Basic Course is designed for experienced professionals who require an in-depth understanding of radiological hazards, radiation protection principles, and advanced safety management practices. Building on foundational radiation safety awareness, the course focuses on the assessment, control, and mitigation of radiation risks in occupational, medical, industrial, and emergency response environments.

Objectives:

The Radiation Safety Basic Course aims to strengthen participants' ability to manage, supervise, and advise on radiation protection in complex, high-risk, or regulated environments by applying advanced technical knowledge and safety management principles.

- Apply advanced radiation protection principles
- Assess radiological hazards and risks
- Interpret radiation monitoring and dosimetry data
- Manage radiation safety programs
- Lead radiological incident and emergency response
- Control radioactive materials and waste
- Advise leadership and stakeholders

Training Audience:

The Radiation Safety Basic Course is intended for professionals who already possess basic radiation safety knowledge and who are responsible for managing, supervising, or advising on radiological safety in high-risk or regulated environments.

- Radiation Safety & Technical Professionals
- Medical & Healthcare Personnel
- Industrial & Research Personnel
- Emergency & Regulatory Personnel
- Management, Training & Advisory Roles



MS/BSB 201: Biological Safety Basic

Course code: MS/BSB 201

Type: Basic

Duration: 24 hours

Prerequisite: BIO Safety Awareness

Delivery: Classroom only

Instructors: 1

Number of Participants: 20

Award/Certification: Certificate of Attendance

Objectives:

The Biological Safety Basic Course aims to develop participants' ability to manage, supervise, and advise on biosafety practices in complex, high-risk, or regulated biological environments through the application of advanced risk management and safety principles.

- Apply advanced biosafety principles
- Conduct advanced biological risk assessments
- Manage containment and control measures
- Prevent and respond to biological incidents
- Manage biosafety programs and compliance
- Advise leadership and stakeholders

Description:

The Biological Safety Basic Course is designed for professionals who require an understanding of biological hazards, biosafety principles, and advanced risk management practices in laboratory, healthcare, industrial, and research environments. The Course focuses on the identification, assessment, control, and mitigation of biological risks associated with infectious agents, toxins, and genetically modified organisms.

Training Audience:

The Biological Safety Basic Course is intended for professionals who already possess a biosafety awareness and who are responsible for managing, supervising, or advising on biological safety in high-risk or regulated environments.

- Biosafety & Technical Professionals
- Laboratory, Research & Academic Personnel
- Healthcare & Public Health Personnel
- Industrial, Pharmaceutical & Biotechnology Personnel
- Government, Regulatory & Advisory Roles
- Training, Management & Oversight Roles



CHEMICAL SAFETY BASIC

PROTECT. PREVENT. PROSPER



MS/CSB 201: Chemical Safety Basic

Course code: MS/CSB 201

Type: Basic

Duration: 24 hours

Prerequisite: CHEM Safety Awareness

Delivery: Classroom only

Instructors: 1

Number of Participants: 20

Award/Certification: Certificate of Attendance

Objectives:

The Chemical Safety Basic Course aims to develop participants' capability to analyze, manage, and control chemical hazards arising from CBRN incidents, with particular focus on chemical warfare agents (CWAs).

- Analyze advanced chemical hazards in a CBRN environment
- Conduct advanced chemical risk assessments
- Interpret chemical detection and monitoring data
- Implement chemical protection and control measures
- Manage chemical incident response and decontamination
- Integrate chemical safety into CBRN command and control

Description:

The Chemical Safety Basic (CBRN Context) Course is designed for experienced professionals who operate in environments where chemical hazards may be encountered as part of CBRN threats or incidents. Building on foundational chemical safety and CBRN awareness, the course focuses on the advanced management of toxic industrial chemicals (TICs), chemical warfare agents (CWAs), and other hazardous substances within a CBRN operational framework.

Training Audience:

The Chemical Safety Basic Course is intended for professionals who already possess foundational chemical safety or CBRN knowledge and who are required to manage, supervise, or advise on chemical hazards within CBRN-related operational environments.

- Chemical Safety & Technical Specialists
- Military & Security Personnel
- Emergency Management & Response Leadership
- Industrial & Critical Infrastructure Personnel
- Government, Regulatory & Advisory Roles



MS/EQUIP 201: CBRN Equipment – Types & Uses

Course code: MS/EQUIP 201

Type: Basic

Duration: 18 hours

Prerequisite: None

Delivery: Classroom only

Instructors: 3

Number of Participants: 20

Award/Certification: Certificate of Attendance

Description:

The CBRN Equipment - Types and Uses Course provides participants with a comprehensive overview of the equipment used for detection, protection, monitoring, and decontamination in Chemical, Biological, Radiological, and Nuclear (CBRN) environments. The Course is designed to build a clear understanding of what CBRN equipment is available, how it is used, and its operational capabilities and limitations.

Objectives:

The CBRN Equipment - Types and Uses Course aims at providing participants with a clear, practical understanding of the range of equipment used in CBRN preparedness and response, its intended purpose, and its operational limitations.

- Identify CBRN equipment categories
- Understand equipment purpose and application
- Understand capabilities and limitations
- Support safe and correct use
- Support equipment selection and planning
- Integrate equipment into CBRN procedures
- Improve operational awareness and readiness

Training Audience:

The CBRN Equipment - Types and Uses Course is intended for personnel who require a clear understanding of CBRN-related equipment, its purpose, and its appropriate application, but who are not necessarily specialist operators.

- Emergency & First Responders
- Military & Security Personnel
- Technical, Safety & Support Staff
- Government & Civil Authorities
- Training, Planning & Supervisory Roles



MS/EQUIP 202: CBRN Detection & Identification

Course code: MS/EQUIP 202

Type: Basic

Duration: 40 hours

Prerequisite: None

Delivery: Classroom only

Instructors: 3

Number of Participants: 20

Award/Certification: Certificate of Attendance

Description:

The CBRN Detection and Identification Course provides participants with the knowledge and practical understanding required to detect, identify, and assess chemical, biological, radiological, and nuclear hazards in operational and emergency environments. The Course focuses on how detection and identification capabilities support early warning, risk assessment, decision-making, and protective actions during CBRN incidents.

Objectives:

The CBRN Detection and Identification Course aims to develop participants' ability to recognize, detect, identify, and assess CBRN hazards using appropriate systems and procedures, to support timely decision-making and effective response.

- Understand detection and identification principles
- Identify CBRN detection and identification systems
- Operate detection systems safely (at user level)
- Interpret detection and identification results
- Support hazard assessment and zoning
- Integrate detection into CBRN response operations

Training Audience:

The CBRN Detection and Identification Course is intended for personnel who may be required to detect, recognize, assess, or report CBRN hazards as part of preparedness, response, or support operations.

- Emergency & First Responders
- Specialized Detection Team Personnel
- Military & Security Personnel
- Technical & Scientific Staff
- Industrial & Infrastructure Personnel
- Government & Civil Authorities
- Training, Planning & Supervisory Roles



CBRN DECONTAMINATION

- READY. RESPOND. RESTORE

MS/DECON 201: CBRN Decontamination

Course code: MS/DECON 201

Type: Basic

Duration: 30 hours

Prerequisite: CBRN Awareness

Delivery: Classroom only

Instructors: 1

Number of Participants: 20

Award/Certification: Certificate of Attendance

Description:

The CBRN Decontamination Course provides participants with the knowledge and practical understanding required to plan, establish, and conduct decontamination operations following Chemical, Biological, Radiological, and Nuclear (CBRN) incidents. The Course addresses decontamination as a critical component of life-saving response, responder protection, and contamination control.

Objectives:

The CBRN Decontamination Course aims to equip participants with the knowledge and practical skills required to plan, establish, and conduct decontamination operations safely and effectively following CBRN incidents.

- Understand decontamination principles
- Assess contamination and decontamination needs
- Conduct casualty and mass decontamination
- Protect responders and casualties
- Decontaminate responders, equipment, and facilities
- Integrate decontamination into CBRN O operations
- Ensure operational safety and compliance

Training Audience:

The CBRN Decontamination Course is intended for personnel who may be required to plan, set up, operate, or support decontamination activities during CBRN incidents.

- Emergency & First Responders
- Military & Security Personnel
- Healthcare & Medical Support Staff
- Industrial & Facility Emergency Teams
- Government & Civil Authorities
- Command, Planning & Support Roles



CBRN FIRST AID



MS/FAID 201: CBRN First Aid

Course code: MS/FAID 201

Type: Basic

Duration: 24 hours

Prerequisite: CBRN Awareness

Delivery: Classroom only

Instructors: 1

Number of Participants: 20

Award/Certification: Certificate of Attendance

Description:

The CBRN First Aid Course provides participants with the essential knowledge and practical guidance required to deliver immediate lifesaving first aid to casualties affected by Chemical, Biological, Radiological, or Nuclear (CBRN) incidents, while ensuring responder safety and preventing secondary contamination.

Objectives:

The CBRN First Aid Course aims to equip participants with the knowledge and practical skills required to provide immediate, lifesaving first aid to casualties affected by CBRN incidents, while protecting themselves and preventing secondary contamination.

- Recognize CBRN-related casualties
- Apply personal safety and contamination control measures
- Prioritize life-saving actions
- Provide CBRN-appropriate first aid
- Manage casualties safely
- Integrate first aid with decontamination and medical response
- Operate within CBRN response procedures

Training Audience:

The CBRN First Aid Course is intended for personnel who may be required to provide immediate life-saving care to casualties affected by Chemical, Biological, Radiological, or Nuclear (CBRN) incidents, often before full medical or decontamination resources are available.

- Emergency & First Responders
- Military & Security Personnel
- Healthcare & Medical Support Staff
- Industrial & Workplace Emergency Teams
- Government, Civil & Volunteer Organizations
- Training, Supervisory & Support Roles



CBRN FREIGHT & MAIL RECEIVERS

MS/FMAIL 201: CBRN Freight & Mail Receivers

Course code: MS/FMAIL 201

Type: Basic

Duration: 24 hours

Prerequisite: CBRN Awareness

Delivery: Classroom only

Instructors: 1

Number of Participants: 20

Award/Certification: Certificate of Attendance

Description:

The CBRN for Freight and Mail Receivers Course is designed to provide personnel involved in receiving, handling, and distributing mail and freight with the knowledge and awareness needed to recognize, assess, and respond safely to potential CBRN threats concealed in packages, parcels, or cargo.

Objectives:

The CBRN for Freight and Mail Receivers Course aims at providing participants with the awareness and practical knowledge required to recognize potential CBRN threats in mail and freight, protect themselves and others, and take appropriate initial actions without attempting technical intervention.

- Understand CBRN threats in mail and freight
- Identify suspicious indicators
- Apply personal safety measures
- Take correct initial actions
- Report and escalate safely
- Support incident containment
- Understand roles and responsibilities

Training Audience:

The CBRN for Freight and Mail Receivers Course is intended for personnel who are involved in the receipt, inspection, handling, storage, or distribution of mail, parcels, and freight, and who require CBRN awareness to recognize and respond safely to potential threats.

- Mail & Courier Handling Personnel
- Freight, Logistics & Warehouse Staff
- Facilities, Reception & Frontline Staff
- Industrial, Commercial & Government Organizations
- Supervisory & Support Roles

CBRN PERSONAL PROTECTION

ADVANCED SUITS • RESPIRATORS • DETECTION



MS/PPE 201: CBRN Personal Protection

Course code: MS/PPE 201

Type: Basic

Duration: 16 hours

Prerequisite: CBRN Awareness

Delivery: Classroom and practical

Instructors: 1

Number of Participants: 20

Award/Certification: Certificate of Attendance

Description:

The CBRN Personal Protection Course provides participants with the knowledge and practical understanding required to protect themselves against Chemical, Biological, Radiological, and Nuclear (CBRN) hazards during operational, emergency, or occupational activities. The Course focuses on the principles, selection, and correct use of personal protective equipment (PPE) to reduce exposure and enhance responder safety.

Objectives:

The CBRN Personal Protection Course aims to equip participants with the knowledge and practical skills required to protect themselves effectively against CBRN hazards through the correct selection, use, and management of personal protective equipment (PPE).

- Understand CBRN exposure and protection principles
- Use CBRN PPE correctly and safely
- Understand PPE capabilities and limitations
- Prevent secondary contamination
- Manage human factors and operational safety
- Integrate personal protection into CBRN operations

Training Audience:

The CBRN Personal Protection Course is intended for personnel who may be required to work in, enter, or operate near environments where CBRN hazards are present, and who must rely on personal protective measures to reduce risk.

- Emergency & First Responders
- Military & Security Personnel
- Technical, Safety & Support Staff
- Industrial & Facility Personnel
- Healthcare & Medical Support Staff
- Supervisory, Training & Planning Roles

Individual Level



LIVE AGENT CWA

CHEMICAL WEAPONS AGENT



MS/LACWI 301: Live Agent CWA Individual

Course code: MS/LACWI 301

Type: Advanced

Duration: 40 hours

Prerequisite: MS/CSB 201

Delivery: Classroom and practical

Instructors: 3

Safety Officers: 2

Number of Participants: 20

Award/Certification: CBRN Live Agent
Training Certificate

Description:

The Course is designed to provide attendees with knowledge, skills, and abilities to work confidently in protective clothing in a toxic environment containing Chemical Warfare Agents and/or Toxic Industrial Chemicals. The attendees will execute a variety of mission scenarios in a live agent environment under the strict supervision of experienced trainers.

Objectives:

The Live Agent CWA Course aims to provide participants with the practical experience with CWA simulants and actual CWA.

- Plan and implement an adequate response (PPE, detection, decontamination)
- Understand the health and safety risks of hot zone entries and the necessity of control zones
- Detection of chemical warfare agents; hands-on experience using various types of chemical detectors under field conditions
- Donning and doffing of chemical protective clothing
- Preparation of samples for transport
- Decontamination operations/products

Training Audience:

The Live Agent CWA Course is intended for professionals who already possess an advanced knowledge of chemical safety or CBRN. Trainees must be physically fit and has a medical clearance from employer to work in personal protective equipment.

- Chemical Safety & Technical Specialists
- Military & Security Personnel
- Emergency Management & Response Leadership
- HAZMAT First Responders
- CBRN Medical Personnel



LIVE AGENT BIOLOGICAL TRAINING

Hands-On Practical Skills for Biodefense



MS/LABWI 301: Live Agent BWA Individual

Course code: MS/LABWI 301

Type: Advanced

Duration: 40 hours

Prerequisite: MS/BSB 201

Delivery: Classroom and practical

Instructors: 3

Safety Officers: 2

Number of Participants: 20

Award/Certification: CBRN Live Agent
Training Certificate

Description:

The Course is designed to provide attendees with knowledge, skills, and abilities to work confidently in protective clothing in a toxic environment containing Biological Warfare Agents and/or Toxins. The attendees will execute a variety of mission scenarios in a live agent environment under the strict supervision of experienced trainers.

Objectives:

The Live Agent BWA Course aims to provide participants with the practical experience with live biological.

- Plan and implement an adequate response (PPE, detection, disinfection)
- Understand the health and safety risks of hot zone entries and the necessity of control zones
- Detection of biological agents (simulants); hands-on experience using various types of bio detectors under field conditions
- Sampling, sampling transport preparation and sampling administration
- Donning and doffing of bio protective clothing
- Disinfection operations/products

Training Audience:

The Live Agent BWA Course is intended for professionals who already possess an advanced knowledge of bio safety or CBRN. Trainees must be physically fit and has a medical clearance from employer to work in personal protective equipment.

- Chemical Safety & Technical Specialists
- Military & Security Personnel
- Emergency Management & Response Leadership
- HAZMAT First Responders
- CBRN Medical Personnel



LIVE AGENT RADIOLOGICAL TRAINING

Empowering the Future of Nuclear Safety

RADIATION SAFETY

PROTECT YOURSELF & OTHERS



MS/LARADI 301: LA Radiological Individual

Course code: MS/LARADI 301

Type: Advanced

Duration: 40 hours

Prerequisite: MS/RSB 201

Delivery: Classroom and practical

Instructors: 3

Safety Officers: 2

Number of Participants: 20

Award/Certification: CBRN Live Agent
Training Certificate

Description:

The Course is designed to provide attendees with knowledge, skills, and abilities to work confidently in protective clothing in a toxic environment containing radioactive materials, both closed and open sources. The attendees will execute a variety of mission scenarios in a live agent environment under the strict supervision of experienced trainers.

Objectives:

The Live Agent Radiological Course aims to provide participants with the practical experience to work confidently with closed and open sources of radioactive materials.

- Plan and implement an adequate response (PPE, detection, deactivation)
- Understand the health and safety risks of hot zone entries and the necessity of control zones
- Searching, detection of radioactive materials; hands-on experience using various types of RN detectors and dosimeters under field conditions
- Sampling preparation and transport
- Donning and doffing of protective clothing
- Deactivation operations/products

Training Audience:

The Live Agent Radiological Course is intended for professionals who already possess an advanced knowledge of radiological safety or CBRN. Trainees must be physically fit and has a medical clearance from employer to work in personal protective equipment.

- Chemical Safety & Technical Specialists
- Military & Security Personnel
- Emergency Management & Response Leadership
- HAZMAT First Responders
- CBRN Medical Personnel



CBRN MEDICAL RESPONDER

READY. PROTECT. HEAL.



MS/LAMED 301: CBRN Medical Responder

Course code: MS/LAMED 301

Type: Advanced

Duration: 40 hours

Prerequisite: CSB 101 or CSB 201

Delivery: Classroom and practical

Instructors: 3

Safety Officers: 2

Number of Participants: 20

Award/Certification: CBRN Live Agent Training Certificate

Description:

This Course provides participants with the knowledge and practical skills required to recognize CBRN threats, protect themselves and others, perform medical triage, and deliver appropriate lifesaving interventions in contaminated or potentially contaminated environments. Emphasis is placed on personal safety, incident management, decontamination procedures, and medical treatment protocols specific to CBRN exposure.

Objectives:

The Course aims to provide participants with the practical experience to work confidently with CBRN victims and patients.

- Plan and implement an adequate response (PPE, detection, decontamination of victims/patients)
- Understand the health and safety risks of hot zone entries and the necessity of control zones
- Hands-on experience using various types of chemical detectors under field conditions
- Donning and doffing of chemical protective clothing
- Decontamination operations/products
- Preparation of victims/patients for transportation

Training Audience:

The Course is intended for professionals who may be required to respond to, support, or manage medical incidents involving CBRN hazards.

- Physicians, medical doctors and nurses
- Paramedics and emergency medical technicians (EMTs)
- Firefighters and rescue personnel
- Civil protection and disaster response teams
- Military medical personnel and combat medics
- Law enforcement officers with medical or operational response roles

NON-DESTRUCTIVE EVALUATION FOR CBRN EOD OPERATORS



MS/NDE 301: NDE for CBRN EOD Operators

Course code: MS/NDE 301

Type: Advanced

Duration: 40 hours

Prerequisites: MS/CSB 101 or CSB 201,
and be registered as a radiation worker

Delivery: Classroom and practical

Equipment: Client's own equipment

Instructors: 2

Safety Officers: 1

Number of Participants: 20

Award/Certification: CBRN Live Agent
Training Certificate

Training Audience:

This Course is designed for specialized personnel involved in the detection, assessment, and neutralization of explosive threats that may be incorporated into Chemical, Biological, Radiological, or Nuclear (CBRN) hazards, where non-destructive examination is critical to mission safety and intelligence gathering.

- Explosive Ordnance Disposal (EOD) Operators
- Military EOD technicians
- Police bomb disposal and public safety EOD units
- CBRN EOD specialists

Description:

The Course enables NDT operators to set up and calibrate equipment, conduct tests, and to interpret, evaluate and document results of NDT in a hazardous environment.

Objectives:

To equip CBRN EOD operators with the knowledge and practical skills required to safely detect, assess, and characterize explosive devices and associated CBRN hazards using non-destructive techniques, to support informed decision-making and reduce operational risk.

- Understand the principles of non-destructive techniques (NDT) and their application in CBRN-EOD operations
- Pros and cons of the different types of measuring techniques and instruments
- Using NDE equipment in a potentially contaminated environment
- Effect environmental conditions (such as temperature, wind, and humidity) may have on the behavior of the chemicals and the reading of the instruments.
- Identify indicators of CBRN involvement in explosive devices without physical disruption
- Operate and interpret data from NDT equipment, including imaging sensing systems



MS/FOREN 301: CBRN Forensics

Course code: MS/NDE 301

Type: Advanced

Duration: 24 hours

Prerequisites: MS/CSB 101

Delivery: Classroom and practical

Equipment: Client's own equipment

Instructors: 1 - 2

Number of Participants: 20

Award/Certification: CBRN Live Agent Training Certificate

Description:

The CBRN Forensics Course provides specialized training for professionals involved in the investigation, analysis, and attribution of incidents involving CBRN materials. The course focuses on the forensic principles, methodologies, and operational procedures required to collect, preserve, analyze, and interpret evidence in environments contaminated or suspected to be contaminated with CBRN agents.

Training Audience:

The CBRN Forensics Course is designed for professionals involved in the investigation, analysis, attribution, and legal processing of incidents involving CBRN materials. CBRN operators and first responders that may have to deal with clandestine manufacturing of weapons of mass destruction.

- Law Enforcement Officers and Criminal investigators
- Forensic Scientists and Forensic Laboratory Personnel
- CBRN Response Team Members
- Military Personnel involved in CBRN Operations and Investigations

Objectives:

To develop participant competence in the forensic investigation of Chemical, Biological, Radiological, and Nuclear (CBRN) incidents, enabling the safe, lawful, and scientifically sound collection, preservation, analysis, and interpretation of evidence to support attribution, criminal investigations, intelligence analysis, and judicial proceedings.



ANALYTICAL CHEMISTRY OF CWA

Detection, Identification & Monitoring

MS/ACHEM 301: Analytical Chemistry of CWA

Course code: MS/ACHEM 301

Type: Advanced

Duration: 30 hours

Prerequisites: MS/CSB 101

Delivery: Classroom and practical

Equipment: Client's own equipment

Instructors: 1 - 2

Number of Participants: 20

Award/Certification: CBRN Live Agent Training Certificate

Training Audience:

This Course is intended for professionals involved in the detection, identification, analysis, regulation, and control of Chemical Warfare Agents (CWA) and their precursors, particularly in laboratory, forensic, regulatory, and verification contexts.

- Analytical Chemists and Laboratory Scientists
- Forensic Chemists and Forensic Laboratory Personnel
- Government Laboratory Staff involved in Chemical Analysis
- Scientists working in designated or reference laboratories
- CBRN and Chemical Defense Specialists

Description:

This Course provides an in-depth introduction to the analytical chemistry principles and methodologies used for the detection, identification, and characterization of chemical warfare agents (CWAs) and related compounds.

Objectives:

To develop participant competence in the analytical identification, characterization, and quantification of Chemical Warfare Agents (CWA) and their precursors, using scientifically sound, legally defensible, and internationally recognized analytical methods in support of verification, forensic investigations, regulatory compliance, and incident response.

- Select appropriate analytical strategies for the detection and identification of CWAs and precursors in various matrices
- Apply sample preparation techniques suitable for trace-level analysis of highly toxic compounds
- Operate and interpret results from key analytical techniques, including chromatography and spectrometry
- Identify CWAs, precursors, and degradation products using reference standards and spectral libraries

SAMPLING & IDENTIFICATION

CBRN AGENTS AND MATERIALS



MS/SIBCRA 301: Sampling & Identification of Biological, Chemical & Radiological Agents

Course code: MS/SIBCRA 301

Type: Advanced

Duration: 80 -160 hours

Prerequisites: MS/CSB 101

Delivery: Classroom and practical

Instructors: 2 / Safety Officers: 2

Number of Participants: 20

Award/Certification: CBRN Live Agent Training Certificate

Training Audience:

The target audience for Sampling and Identification of CBRN materials typically includes professionals who may encounter, assess, collect, analyze, or manage incidents involving Chemical, Biological, Radiological, and Nuclear hazards. The audience spans operational, technical, and decision-making roles.

- First Responders
- Military & Defense Personnel
- Public Health & Medical Professionals
- Environmental & Regulatory Agencies
- Laboratory & Technical Specialists
- Government & Policy Decision-Makers

Description:

This Course is to provide participants with knowledge of the different types of sampling methods and techniques used to collect samples of possible CBRN materials.

Objectives:

The scope of this course is to provide first responders with the required competencies to investigate and collect samples of possible CBRN contamination to allow laboratories to conduct highly reliable scientific analysis of samples.

- Select appropriate sampling equipment
- Sampling techniques to avoid cross-contamination
- Identify the properties of chemical, biological and radiological agents
- Principles of reconnaissance, detection, and decontamination
- Packaging techniques/transport of samples/chain of custody
- Methods of analysis and interpretation of results
- Practical scenario-based exercises



MS/SIBCRA 302: Sampling & Identification of Biological Chemical Radiological Agents

Course code: MS/SIBCRA 302

Type: Advanced

Duration: 240 hours

Prerequisites: MS/CSB 101

Delivery: Classroom and practical

Instructors: 2 / Safety Officers: 2

Number of Participants: 15

Award/Certification: CBRN Live Agent Training Certificate

Training Audience:

The target audience for Sampling and Identification of CBRN Agents Course typically includes professionals who may encounter, assess, collect, analyze, or manage incidents involving Chemical, Biological, Radiological, and Nuclear hazards. The audience spans operational, technical, and decision-making roles.

- First Responders
- Military & Defense Personnel
- Public Health & Medical Professionals
- Environmental & Regulatory Agencies
- Laboratory & Technical Specialists
- Government & Policy Decision-Makers

Description:

This Course is to provide participants with knowledge of the different types of sampling methods and techniques used to collect samples of possible CBRN materials.

Objectives:

The scope of this course is to provide first responders with the required competencies to investigate and collect samples of possible CBRN contamination to allow laboratories to conduct highly reliable scientific analysis of samples.

- Select appropriate sampling equipment
- Sampling techniques to avoid cross-contamination
- Identify the properties of chemical, biological and radiological agents
- Principles of reconnaissance, detection, and decontamination
- Packaging techniques/transport of samples/chain of custody
- Methods of analysis and interpretation of results
- Practical scenario-based exercises



MS/SIBCRA 303: Live Agent Sampling & Identification of CBR Agents

Course code: MS/SIBCRA 303

Type: Advanced

Duration: 40 hours

Prerequisites: MS/CSB 101

Delivery: Classroom and practical

Instructors: 2 / Safety Officers: 2

Number of Participants: 15

Award/Certification: CBRN Live Agent Training Certificate

Training Audience:

The target audience for Live Agent Sampling and Identification of CBRN Agents Course typically includes professionals who may encounter, assess, collect, analyze, or manage incidents involving chemical, biological, radiological, and nuclear hazards. The audience spans operational, technical, and decision-making roles.

- First Responders
- Military & Defense Personnel
- Public Health & Medical Professionals
- Environmental & Regulatory Agencies
- Laboratory & Technical Specialists
- Government & Policy Decision-Makers

Description:

This Course is to provide participants with knowledge of the different types of sampling methods and techniques used to collect samples of possible CBRN materials, under hazardous conditions and maintain the chain of custody.

Objectives:

The scope of this Course is to provide first responders with the required competencies to investigate and collect samples of possible CBRN contamination to allow laboratories to conduct highly reliable scientific analysis of samples. This Course is run in-line with the NATO standards.

- Select appropriate sampling equipment
- Sampling techniques to avoid cross-contamination
- Identify the properties of chemical, biological and radiological agents
- Principles of reconnaissance, detection, and decontamination
- Packaging techniques/transport of samples/chain of custody
- Methods of analysis and interpretation of results
- Practical scenario-based exercises



MS/WLHS 301: Workload Heat Stress in PPE

Course code: MS/ACHEM 301

Type: Advanced

Duration: 10 hours

Prerequisites: None

Delivery: Classroom and practical

Instructors: 2

Number of Participants: 20

Award/Certification: Certificate of Attendance

Training Audience:

This Course is intended for individuals who work in hot or thermally challenging environments while wearing personal protective equipment (PPE), including but not limited to:

- Operational Workers
- Emergency Response and High-Risk Occupations
- Supervisors and Team Leaders
- Health, Safety, and Environmental (HSE) Personnel
- New and Vulnerable Workers
- Contractors and Temporary Workers
- Training and Compliance Operators

Description:

The Course is to get an overview on heat stress risk and prevention measures for individuals wearing PPE. The Course will provide hands-on skills in application of non-invasive monitoring device for heart rated and core body temperature.

Objectives:

To have an overview of current techniques for monitoring core body temperature.

- Understand heat stress fundamentals
- Recognize heat-related illnesses
- Identify heat stress risk factors
- Assess heat stress during work activities
- Apply workload and administrative controls
- Use PPE safely in hot conditions
- Manage hydration and cooling effectively
- Monitor self and others
- Respond to heat stress emergencies
- Demonstrate compliance and safe work behavior



Live Agent CW Munitions Leak Seal Pack Procedures

MS/LAMSP 301: LA CW Munitions Leak Seal Pack

Course code: MS/ACHEM 301

Type: Advanced

Duration: 40 hours

Prerequisites: MS/CSB 101

Delivery: Classroom and practical

Instructors: 3

Safety Officer: 2

Number of Participants: 15

Award/Certification: CBRN Live Agent Training Certificate

Training Audience:

This Course is intended exclusively for experienced and authorized personnel who are required to conduct live chemical warfare (CW) agent leak mitigation operations using the CW Munitions Leak Seal Pack.

- Specialized Chemical Response Personnel
- Military Personnel
- Civil Defense and Government Agencies
- Command, Control, and Technical Leadership

Description:

The Live Agent CW Munitions Leak Seal Pack Course provides advanced training for qualified personnel required to safely assess and mitigate leaks from chemical warfare munitions containing live chemical agents using the CW Munitions Leak Seal Pack.

Objectives:

To enable operators and first responders to deal safely with CW leaking munitions.

- Operate safely in live agent environments - risk assessment
- Knowledge of sealants to be used
- Assess CW munition leak scenarios
- Apply leak mitigation principles using the CW leak seal pack
- Operate effectively in full protective ensembles
- Needed equipment
- Use of simulants-base leak, seals, packing exercise
- Live agent leak seal pack exercises
- Conduct decontamination and post-operation actions

LIVE Agent

CBR Device Investigation

MS/LADI 301: LA CBR Device Investigation

Course code: MS/ACHEM 301

Type: Advanced

Duration: 10 hours

Prerequisites: MS/NDE 301

Delivery: Classroom and practical

Instructors: 2 / Safety Officer: 1

Number of Participants: 15

Award/Certification: Certificate of Attendance

Description:

The Course provides advanced training for qualified personnel required to safely investigate suspected or confirmed CBR devices involving live agents. The Course is conducted in strictly controlled environments and emphasizes safety, regulatory compliance, command discipline, and professional judgment throughout all investigative activities.

Training Audience:

This course is intended exclusively for experienced, authorized personnel who are required to participate in the investigation of suspected or confirmed chemical, biological, or radiological (CBR) devices involving live agents.

- Specialist CBR Response Personnel
- First Responders
- Military Personnel
- Law Enforcement and Security Agencies
- Command, Control, and Technical Leadership

Objectives:

The scope of this Course is to provide EOD/IED qualified first responders who may be involved in a response to a possible criminal or terrorist activity involving CBRN devices with the skill to analyse, plan and implement an investigation of those IEDs in a potential hot zone.

- Operate safely in live agent CBR environments
- Understand CBR threat characteristics
- Conduct structured CBR device assessments
- Apply risk assessment and control measures
- Operate effectively in high-level PPE
- Preserve safety and investigative integrity



MS/ENVSA 301: CBRN Environmental Sampling

Course code: MS/ENVSA 301

Type: Advanced

Duration: 80 hours

Prerequisites: MS/CSB 301, Analytical Chemistry background and medical clearance to work on PPE

Delivery: Classroom and practical in real hazard environment

Instructors: 2 Safety Officer: 1

Number of Participants: 15

Award/Certification: CBRN Live Agent Training Certificate

Training Audience:

This Course is intended for personnel who are required to plan, conduct, supervise, or support environmental sampling activities during chemical, biological, radiological, or nuclear (CBRN) incidents.

- CBRN and HAZMAT Response Personnel
- Military Personnel
- Government and Civil Defense Agencies
- Environmental and Public Health Specialists
- Supervisors and Technical Leaders
- Law Enforcement and Investigative Support

Description:

The Course provides participants with the knowledge and practical skills required to plan, conduct, and manage environmental sampling operations in CBRN incident environments. The Course focuses on the safe, systematic, and defensible collection of environmental samples to support hazard assessment, contamination mapping, forensic analysis, and recovery decision-making.

Objectives:

The scope of this Course is to provide the knowledge of how to take a sample from the environment, which is the key in identifying its composition, in function of the analytical method employed to identify it.

- Understand the purpose and role of environmental sampling in CBRN incidents
- Recognize contamination pathways in air, water, soil, and surface media
- Apply structured sampling strategies and documentation practices
- Operate effectively while wearing appropriate levels of PPE
- Prevent cross-contamination and maintain chain-of-custody requirements



MS/ENVAN 301: CBRN Analysis of Environmental Samples

Course code: MS/ENVAN 301

Type: Advanced

Duration: 80 hours

Prerequisites: MS/ENVSA, Analytical Chemistry background and medical clearance to work on PPE

Delivery: Classroom and practical in real hazard environment

Instructors: 3 Safety Officer: 1

Number of Participants: 15

Award/Certification: CBRN Live Agent Training Certificate

Training Audience:

This Course is intended for personnel who are required to plan, conduct, supervise, or support the chemical analyses of environmental samples.

- CBRN and HAZMAT Response Personnel
- Laboratory Military Personnel
- Government and Civil Defense Agencies
- Environmental and Public Health Specialists
- Supervisors and Technical Leaders with analytical chemistry background

Description:

The Course provides participants with the knowledge and practical skills required to plan, conduct, and manage chemical analysis of CBRN environmental samples.

Objectives:

The scope of this Course is to provide to Analytical Chemistry professionals with the techniques and analytical procedures to analyze samples taken from the environment.

Samples from the environment demand preparation and an in-depth knowledge of the analyst's instrumentation.

- Analytical theory
- Demonstrations of analytical equipment (Gas Chromatography with ECD and FID, Mass Spectrometry, HPLC and Ion Chromatography, Infrared Spectrometry, Atomic Absorption, ICP-OS)
- Onsite sampling/analysis



HANDLING OF CBRN IMPROVISED DEVICES

Advanced Robotics & Containment Protocols

MS/HANDID 301: Handling of CBRN Improvised Devices

Course code: MS/HANDID 301

Type: Advanced

Duration: 6 hours

Prerequisites: MS/CSB 101

Delivery: Classroom only

Instructors: 1

Number of Participants: 20

Award/Certification: Certificate of Attendance

Description:

The Course provides advanced training for qualified personnel required to safely investigate suspected or confirmed CBR devices involving live agents.

Training Audience:

This Course is intended exclusively for experienced, authorized personnel who are required to participate in the investigation of suspected or confirmed chemical, biological, or radiological (CBR) devices involving live agents.

- Specialist CBR Response Personnel
- First responders
- Military Personnel
- Law Enforcement and Security Agencies
- Command, Control, and Technical Leadership

Objectives:

The scope of this Course is to provide CBRN/HazMat qualified first responders who may be involved in a response to a possible criminal or terrorist activity involving CBRN devices with the skill to analyze, plan and implement an investigation of those IEDs in a potential hot zone. Topics covered:

- Design of CBRN improvised devices
- Spread pattern of CBRN materials
- Mitigation principles of CBRN improvised devices



MS/LARTM 301: LA CBRN Response Team Member & Scenario Training

Course code: MS/LARTM 301

Type: Advanced

Duration: 80 hours

Prerequisite: MS/CSB 101

Delivery: Classroom and practical

Instructors: 3

Safety Officers: 2

Number of Participants: 15

Award/Certification: CBRN Live Agent Training Certificate

Objectives:

The Live Agent CWA Course aims to provide participants with the practical experience with CWA simulants and actual CWA in a scenario training program.

- Understand the health and safety risks of hot zone entries and the necessity of control zones
- Detection of chemical warfare agents; hands-on experience using various types of chemical detectors under field conditions
- Donning and doffing of chemical protective clothing
- Decontamination operations/products

Description:

Team level scenario training for response team members is focused principally on group-based training whereby advanced training scenarios are developed specifically with the clients' needs. It is also expected for scenario work that the participants have sufficient experience and training to be able to safely operate within a CWA live environment (if applicable) and that the structure of the group can work a scenario, in which their commanders are present. Training can be conducted with chemical agents (live or simulants).

Training Audience:

The Course is intended for professionals who already possess an advanced knowledge of chemical safety or CBRN. Trainees must be physically fit and have a medical clearance from their employers to work in personal protective equipment.

- Chemical Safety & Technical Specialists
- Military & Security Personnel
- Emergency Management & Response Leadership
- HAZMAT First Responders
- CBRN Medical Personnel

NUCLEAR EMERGENCY TRAINING

PREPARE. PROTECT. PREVAIL.

MS/NET 301: Nuclear Emergency Training

Course code: MS/NET 301

Type: Advanced

Duration: 40 hours

Prerequisites: Medical clearance and be registered as radiation worker

Delivery: Classroom and practical training in real hazard environment

Instructors: 2 Safety Officer: 3

Number of Participants: 20

Award/Certification: Certificate of Attendance

Training Audience:

This Course is intended for personnel who have operational, supervisory, or decision-making responsibilities during nuclear or radiological emergency situations, including preparedness, response, and recovery activities.

- Emergency Response Personnel
- Nuclear Facility and Industry Personnel
- Government and Regulatory Authorities
- Military and Civil Defense Personnel
- Medical and Public Health Professionals
- Command, Control, and Coordination Roles

Description:

The Nuclear Emergency Training Course provides participants with the essential knowledge and skills required to prepare for, respond to, and support recovery from nuclear or radiological emergency incidents.

Objectives:

By the end of this Course, participants will be able to:

- Understand nuclear and radiological hazards and radiation safety
- Consequences of a nuclear accident
- Consequence management after a nuclear accident
- Chernobyl 1986: causes and effects
- Comparison of the Chernobyl/Fukushima incidents
- Working in a radiologically contaminated area
- Protection against open radioactive sources
- Detection of radioactive sources in a contaminated environment
- Sampling procedures
- Decontamination procedures



MS/MBT 301: Monitoring, Triggering, Detecting & Identification of Biological Threats

Course code: MS/MBT 301

Type: Advanced

Duration: 10 hours

Prerequisite: BSB 201

Delivery: Classroom

Instructors: 1

Number of Participants: 20

Award/Certification: Certificate of Attendance

Objectives:

Get an overview of the different methodologies, principles and instruments available for biological threat monitoring, triggering, detection, and identification in the environment and in the victims, including the proposed therapies.

- Strengths/weaknesses tables of all COTS/MOTS available equipment
- Overview of new promising technologies and therapies, which are in research phase
- Different COTS/MOTS available equipment
- What to measure? Sampling
- Monitoring techniques/statistics
- Value of measured data

Description:

The Methodologies for Monitoring, Triggering, Detecting, and Identification of Biological Threats Course provides participants with a comprehensive understanding of the systems, methods, and decision-making processes used to identify and respond to biological threats across public health, security, and emergency response domains.

Training Audience:

This Course is intended for personnel who are involved in biological threat surveillance, detection, analysis, decision-making, or response coordination, across public health, security, and emergency management sectors.

- Public Health and Epidemiology Professionals
- Laboratory and Scientific Personnel
- Emergency Response and CBRN Personnel
- Government, Security, and Defense Agencies
- Healthcare and Medical Professionals
- Decision-Makers and Coordinators



MS/TLSCN 301: TL CBR Scenario Training

Course code: MS/TLSCN 301

Type: Advanced

Duration: 40 hours

Prerequisites: MS/CBRN 101

Delivery: Classroom and practical training in a specialized facility

Instructors: 3

Number of Participants: 20

Award/Certification: Certificate of Attendance

Training Audience:

This Course is intended for experienced CBRN response personnel who are required to lead, supervise, or coordinate teams during chemical, biological, radiological, and nuclear (CBRN) incidents.

- CBRN Team Leaders and Supervisors
- Senior CBRN Responders
- Emergency Response and HAZMAT Leaders
- Military and Civil Defense Personnel
- Incident Management and Command Support Roles

Description:

Collective level scenario training for response team leaders is focused principally on group-based leadership whereby advanced training scenarios are developed specifically with the clients' needs in mind.

It is also expected for scenario work that the participants have sufficient experience and training to be able to safely operate within a CBRN live environment and that the structure of the scenario is focused on the team leader.

This training can also be combined with team member scenario training where the team leader runs his or her team through the scenario.

Training can be conducted with chemical agents (live or simulants), radiation sources, biological simulants/agents or combinations of all three.

Objectives:

To have a practical experience with CWA simulants and actual CWA agents in a scenario training program.



MS/LARTL 301: LA CBR Response Team Leader

Course code: MS/LACWI 301

Type: Advanced

Duration: 40 hours

Prerequisite: MS/CSB 201

Delivery: Classroom and practical

Instructors: 2

Safety Officers: 3

Number of Participants: 20

Award/Certification: CBRN Live Agent Training Certificate

Description:

The Live Agent CBR Response Team Leader Course is an advanced training program designed to prepare experienced supervisors and team leaders to command, control, and evaluate Chemical and Biological Response (CBR) operations conducted in controlled live-agent training environments. The course emphasizes leadership, risk management, and decision-making in high-consequence, time-critical conditions.

Objectives:

The Live Agent CBR Response Team Leader Course is designed to prepare experienced supervisors and team leaders to safely command, control, and evaluate Chemical and Biological Response (CBR) operations conducted in controlled live-agent training environments.

Training Audience:

The Live Agent CBR Response Team Leader Course is intended for experienced emergency response personnel who are assigned supervisory or command responsibilities during Chemical and Biological Response (CBR) operations conducted in controlled live-agent environments.

Primary Audience

- Designated team leaders, supervisors, or commanders of live-agent CBR response teams
- Senior members of CBR or HazMat teams who are identified as current or future leaders
- Personnel assigned to oversee entry teams, safety functions, or operational control during live-agent evolutions
- Leadership and Command
- Risk Management and Safety Oversight
- Operational Planning and Decision-Making
- Supervision of PPE and Team Performance
- Coordination and Incident Integration
- Evaluation and After-Action Leadership

CBRNE INCIDENT COMMANDER

Command & Control for a Complex World



MS/INCOM 301: CBRN Incident Commander (ICS)

Course code: MS/INCOM 301

Type: Advanced

Duration: 64 hours

Prerequisite: MS/CBRN 201

Delivery: Classroom and practical

Instructors: 2

Safety Officers: 3

Number of Participants: 20

Award/Certification: CBRN Live Agent Training Certificate

Training Audience:

The ICS Course is appropriate for command level responders with the responsibility of directing response efforts at a natural disaster or deliberate CBRNE incident.

- Chemical Safety & Technical Specialists
- Military & Security Personnel
- Emergency Management & Response Leadership
- HAZMAT First Responders
- CBRN Medical Personnel

Objectives:

This Course is to provide Command Level Operators a practical and updated knowledge to respond or command CBRN incident operations. Any CBRNE incident must be responded through an ICS.

Description:

The CBRNE Incident Command Level Course is an advanced professional development program designed for senior officers, incident commanders, and strategic decision-makers responsible for leading operations during Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) incidents.

The ICS Course focuses on strategic command, control, and coordination in complex, high-risk environments, emphasizing decision-making under uncertainty, multi-agency integration, and leadership at the tactical-to-strategic interface. Participants will examine the unique challenges posed by CBRNE incidents, including mass casualty management, consequence management, public communication, and long-term recovery considerations.



PLANNING RESPONSE TO CBRN EOD INCIDENT

MS/PREOD 301: Planning Response to CBRN EOD Incident

Course code: MS/PREOD 301

Type: Advanced

Duration: 40 hours

Prerequisites: MS/CBRN 101

Delivery: Classroom and practical

Instructors: 3 Safety Officer: 1

Number of Participants: 20

Award/Certification: CBRN Live Agent Training Certificate

Training Audience:

This Course is intended exclusively for experienced, authorized personnel who are required to participate in the investigation of suspected or confirmed explosive chemical, biological, or radiological (CBR) EOD devices.

- Specialist CBR Response Personnel
- First Responders
- Military Personnel
- Law Enforcement and Security Agencies
- Command, Control, and Technical Leadership

Description:

The Course is an advanced planning and coordination program designed for personnel responsible for developing, managing, and directing response plans for incidents involving chemical, biological, radiological, and nuclear (CBRN) hazards in conjunction with explosive ordnance disposal (EOD) threats.

The Course focuses on the unique complexities of combined CBRN–EOD incidents, where explosive devices may be used to disperse hazardous materials or where explosive hazards exist within contaminated environments. Emphasis is placed on pre-incident planning, risk assessment, inter-agency coordination, and command-level decision-making, rather than hands-on technical render-safe procedures.

Objectives:

This Course provides participants with the knowledge, skills, and abilities to conduct a threat analysis and to assess the vulnerability of their organization, enabling security and emergency managers to better understand the current readiness posture of their organization.

CBRNE THREATS & VULNERABILITY ASSESSMENT

- IDENTIFICATION & ANALYSIS
- RISK MITIGATION STRATEGIES • PREPAREDNESS & RESPONSE PLANNING



MS/TVA 301: CBRN Threats & Vulnerability Assessment

Course code: MS/TVA 301

Type: Advanced

Duration: 40 hours

Prerequisites: MS/CBRN 101

Delivery: Classroom and practical

Instructors: 2

Number of Participants: 20

Award/Certification: Certificate of Attendance

Training Audience:

The CBRNE Threats and Vulnerability Assessment Course is designed for professionals involved in identifying, analyzing, and managing risks associated with Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) threats.

- Military Staff Officers and Defense Planners
- Risk Analysts and Intelligence Analysts
- Emergency Management and Civil Protection Planners
- Law Enforcement and Security Professionals
- Government Officials and Policymakers

Description:

The CBRNE Threats and Vulnerability Assessment Course provides participants with the knowledge and analytical framework required to identify, assess, and evaluate Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) threats and vulnerabilities affecting people, infrastructure, and critical systems.

Objectives:

Upon successful completion of this Course, participants will be able to:

- Describe the full spectrum of CBRNE threats
- Identify and categorize vulnerabilities
- Apply structured threat and vulnerability assessment methodologies
- Assess intent, capability, and opportunity factors
- Evaluate environmental, technical, human, and organizational factors
- Prioritize risks and vulnerabilities
- Integrate intelligence, open-source information, and risk indicators
- Translate assessment findings into actionable recommendations

MS/BIODEF 301: Biodefense Strategies

Course code: MS/BIODEF 301

Type: Advanced

Duration: 10 hours

Prerequisite: BSB 101

Delivery: Classroom only

Instructors: 1

Number of Participants: 20

Award/Certification: Certificate of Attendance

Objectives:

The Biodefense Strategies Course is designed to prepare participants to prevent, detect, respond to, and recover from biological threats affecting public health, critical infrastructure, and national security.

- Analyze biological threat drivers and vulnerabilities
- Apply biodefense frameworks and strategic planning concepts
- Integrate public health, security, defense, and emergency management perspectives into cohesive biodefense strategies.
- Evaluate surveillance, early warning, and intelligence mechanisms
- Strengthen national and organizational resilience

Description:

The Biodefense Strategies Course provides participants with a comprehensive understanding of strategic approaches to preventing, detecting, preparing for, and responding to biological threats, whether naturally occurring, accidental, or deliberate.

Training Audience:

The Biodefense Strategies Course is designed for senior leaders, planners, analysts, and decision-makers with responsibilities related to the prevention, preparedness, and management of biological threats, whether naturally occurring, accidental, or deliberate. The target audience includes, but is not limited to:

- Defense and Military Planners and Staff Officers
- Public Health and Epidemiology Professionals
- Emergency Response and CBRN Personnel
- Government, Security, and Defense Agencies
- Healthcare and Medical Professionals
- Decision-Makers and Coordinators
- Law Enforcement and Security Professionals

MS/TETSR 401: CBRN and Terrorism-Evolving Threats and Strategic Responses

Course code: MS/TETSR 401

Type: Specialized

Duration: 42 hours

Prerequisite: None

Delivery: Classroom only

Instructors: 3

Number of Participants: 20

Award/Certification: Certificate of Attendance

Objectives:

Upon successful completion of this Course, participants will be able to:

- Describe the evolving landscape of CBRN terrorism
- Analyze terrorist intent, capability, and opportunity
- Assess strategic vulnerabilities
- Integrate public health, security, defense, and emergency management perspectives into coherent strategic responses to CBRN terrorism
- Evaluate national and international counter-terrorism strategies
- Strengthen national and organizational resilience

Description:

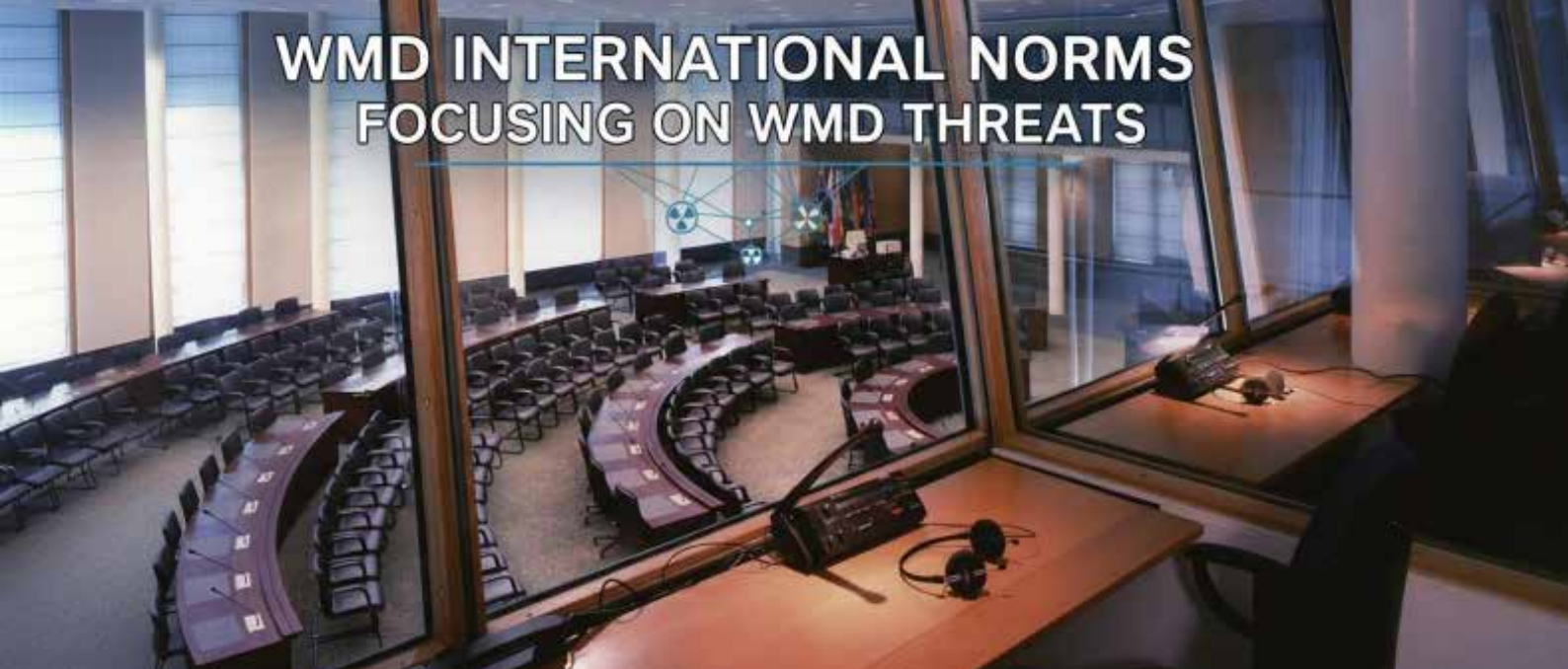
The CBRN and Terrorism – Evolving Threats and Strategic Responses Course examines the changing nature of terrorist threats involving Chemical, Biological, Radiological, and Nuclear (CBRN) materials, and the strategic responses required to prevent, deter, and manage such risks.

The Course explores how state and non-state actors, including terrorist organizations and lone actors, exploit scientific advances, emerging technologies, global connectivity, and societal vulnerabilities to pursue CBRN capabilities.

Training Audience:

The CBRN and Terrorism – Evolving Threats and Strategic Responses Course is designed for senior leaders, policymakers, planners, analysts, and decision-makers with responsibilities related to counterterrorism, national security, emergency preparedness, and resilience in the context of chemical, biological, radiological, and nuclear (CBRN) threats.

WMD INTERNATIONAL NORMS FOCUSING ON WMD THREATS



MS/WMDIN 401: WMD International Norms Focusing on WMD Threats

Course code: MS/WMDIN 401

Type: Specialized

Duration: 42 hours

Prerequisite: None

Delivery: Classroom only

Instructors: 3

Number of Participants: 20

Award/Certification: Certificate of Attendance

Training Audience:

The WMD International Norms Focusing on WMD Threats Course is designed for professionals engaged in policy, diplomacy, security, and governance related to the prevention, control, and mitigation of weapons of mass destruction (WMD) threats, including chemical, biological, radiological, and nuclear weapons.

Description:

The WMD International Norms Focusing on WMD Threats Course examines the international legal, political, and normative frameworks established to prevent the development, proliferation, and use of weapons of mass destruction (WMD), including chemical, biological, radiological, and nuclear weapons.

Objectives:

Upon successful completion of this Course, participants will be able to:

- Describe the spectrum of weapons of mass destruction (WMD) threats
- Explain the purpose and evolution of international norms and legal frameworks
- Analyse how international norms respond to changing WMD threat environments
- Assess the roles of treaties, conventions, and multilateral agreements
- Evaluate compliance, verification, and enforcement mechanisms
- Understand the interaction between international obligations and national implementation



DUAL-USE CHEMICALS AND EQUIPMENT

TECHNOLOGY. INNOVATION. SECURITY.

MS/DUSECE 401: Dual-Use Chemicals & Equipment

Course code: MS/DUSECE 401

Type: Specialized

Duration: 10 hours

Prerequisite: None

Delivery: Classroom only

Instructors: 1

Number of Participants: 20

Award/Certification: Certificate of Attendance

Training Audience:

The Dual-Use Chemicals and Equipment Course is designed for professionals involved in the regulation, oversight, use, or control of chemicals and related technologies, including:

- Policymakers and Government Officials
- Export Control and Licensing Authorities
- Law Enforcement and Regulatory Inspectors
- Customs and Border Control Officers
- Industry Professionals and Manufacturers
- Laboratory Managers, Scientists, and Researchers

Description:

This Course provides an introduction to dual-use chemicals and laboratory equipment, materials and technologies that have legitimate applications in industry, medicine, research, and education, but which may also be misused for harmful or prohibited purposes.

The Course emphasizes risk awareness, responsible conduct, and compliance with national and international regulations, such as export controls and chemical safety frameworks.

Objectives:

The Course aims to provide learners with a thorough understanding of dual-use chemicals, materials, and equipment that have legitimate industrial, scientific, and commercial applications but may also be misused for illicit or prohibited purposes. These challenges arise from the need to facilitate legitimate trade and scientific progress while simultaneously preventing misuse, diversion, and proliferation for harmful or prohibited purposes.



MS/CBRNDS 401: CBRN Defense Strategy

Course code: MS/CBRNDS 401

Type: Specialized

Duration: 10 hours

Prerequisite: None

Delivery: Classroom only

Instructors: 1

Number of Participants: 20

Award/Certification: Certificate of Attendance

Training Audience:

The CBRN Defense Strategy Course is intended for professionals involved in the development, coordination, implementation, and oversight of national or organizational CBRN policies and capabilities, including:

- Senior Government Officials and Policymakers
- Defense and Security Planners
- CBRN Program Managers and Coordinators
- Emergency Management and Civil Protection Leadership
- Military Officers and Civil-Military Coordination Staff involved in CBRN defense planning and operations
- Law Enforcement and Intelligence Officials engaged in CBRN threat assessment and prevention

Description:

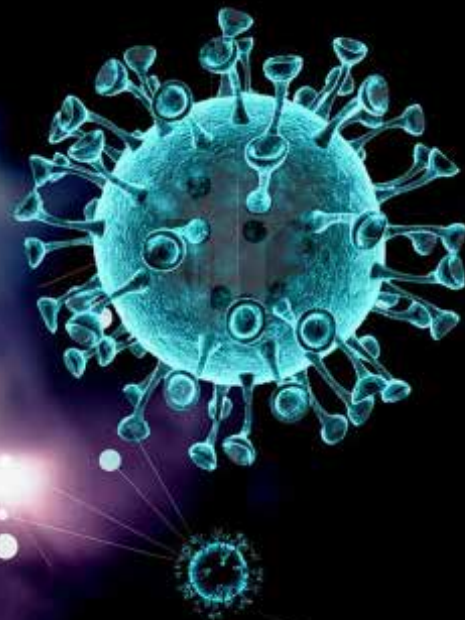
This Course provides a comprehensive overview of CBRN defense strategy, focusing on the policies, frameworks, and coordination mechanisms required to prevent, prepare for, respond to, and recover from CBRN threats and incidents.

Participants will examine the strategic principles that underpin effective CBRN defense, including risk assessment, threat reduction, preparedness planning, detection and monitoring, response coordination, and resilience building. The Course emphasizes the integration of civilian and security-sector plans, highlighting the roles of government authorities, emergency services, public health systems, and international partners.

Objectives:

This Course aims at providing participants with a comprehensive understanding of CBRN defense strategy and practical guidance for planning, coordinating, and overseeing all activities related to CBRN matters. The Course focuses on strategic-level functions, including the development and implementation of policies, resource allocation and funding mechanisms, governance structures, and oversight of operational plans, to ensure alignment with national CBRN strategic objectives.

BIO-DEFENSE RESILIENCE AND CONSEQUENCE MANAGEMENT



MS/BIODEF 401: Bio-Defense Resilience and Consequence Management

Course code MS/BIODEF 401

Type: Specialized

Duration: 80 hours

- General Bio-Awareness: 16 hours
- Building & Construction: 8 hours
- Identification of hazardous micro-organisms: 8 hours
- Detectors Training: 8 hours
- Donning & doffing: 8 hours
- Decon of equipment: 16 hours
- Behavioral dynamics: 8 hours
- Communications: 8 hours

Prerequisite: Awareness/Basic

Delivery: Classroom only

Instructors: 2

Number of Participants: 20

Award/Certification: Certificate of Attendance

Training Audience:

The Bio-Defense Resilience and Consequence Management Course is designed for professionals involved in the prevention, detection, response, and recovery from biological threats and incidents.

Description:

This Course provides a comprehensive overview of bio-defense resilience and consequence management, with a focus on early detection, situational awareness, and effective response to biological threats—whether naturally occurring, accidental, or deliberate.

The Courses will discuss monitoring of microbiomes, so one is aware of abnormalities in the presence of micro-organisms in the environment and understand the potential threat. Forensic aspects in the bio-detection will be included as it is to be expected that the users of bioweapons are terrorist actors or criminal organizations.

Objectives:

The Bio-Defense Resilience and Consequence Management Course aims to strengthen participants' understanding of current capabilities and limitations in biological detection, identification, and response, while promoting realistic and informed decision-making. Gain knowledge of state-of-the-art and practical bio-detection, monitoring, identification, and diagnostic procedures used in biodefense and public health contexts.

TRANSPORTATION, HANDLING & STORAGE DANGEROUS GOODS

Innovative Solutions for a Safer Tomorrow



MS/THSDG 401: Transportation, Handling and Storage of Dangerous Goods

Course code: MS/THSDG 401

Type: Specialized

Duration: 16 hours

Prerequisite: Previous experience in handling chemicals

Delivery: Classroom only

Instructors: 1 - 2

Number of Participants: 20

Award/Certification: Certificate of Attendance

Training Audience:

The Course is designed for professionals involved in the movement, management, regulation, and oversight of hazardous materials across the supply chain, including:

- Logistics and Transport Personnel
- Warehouse and Storage Facility Operators
- Manufacturers, Distributors, and Shippers of hazardous materials
- Safety Officers and Compliance Managers
- Emergency Responders and Civil Protection Personnel
- Supply Chain and Risk Management Professionals responsible for operational continuity and risk mitigation

Description:

This Course provides a comprehensive overview of the safe transportation, handling, and storage of dangerous goods, with a strong emphasis on risk prevention, regulatory compliance, and operational best practices across the supply chain.

Participants will gain an understanding of the hazards associated with dangerous goods, including chemical, biological, flammable, explosive, toxic, and environmentally hazardous substances. The Course addresses how improper handling, packaging, transport, or storage can lead to accidents, health risks, environmental damage, and security incidents.

Objectives:

This Course aims at helping to assess and reduce the risks associated with the transport, handling and storage of packaged dangerous substances. It further advises on safe management procedures and precautions to reduce injuries and damage caused by incidents involving the handling of packaged dangerous substances.

MS/BIO 401: Epidemiology of New Emerging Diseases

Course code: MS/BIO 401

Type: Specialized

Duration: 16 hours

Prerequisite: None

Delivery: Classroom only

Instructors: 1

Number of Participants: 20

Award/Certification: Certificate of Attendance

Training Audience:

The Course is intended for professionals and students involved in public health, health security, and disease surveillance who seek to strengthen their understanding of emerging infectious disease threats, including:

- Public Health Officials and Practitioners
- Epidemiologists and Public Health Analysts
- Healthcare Professionals and Hospital Preparedness Staff
- Veterinary and Animal Health Professionals
- Environmental Health and Occupational Health Professionals
- Emergency Management and Civil Protection Authorities

Description:

This Course provides a comprehensive introduction to the epidemiology of new and emerging infectious diseases, focusing on how such diseases arise, spread, and impact populations at local, regional, and global levels. Emphasis is placed on understanding the drivers of emergence, including environmental change, globalization, human–animal interaction, urbanization, and antimicrobial resistance.

Objectives:

The Course provides a foundational understanding of infectious diseases, with particular emphasis on zoonotic diseases and their role in the emergence of new public health threats.

The Course also covers the core principles of outbreak management, including detection, reporting, coordination, and response strategies. Participants will gain an overview of medical care and public health interventions that can be applied during outbreaks to reduce transmission, mitigate health impacts, and protect affected populations.



MISSION SUPPORT

Mission Support

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