

Department of Defense

# ISEERB

## Environmental Training Courses



January 2018

This catalog is designed with the user in mind. Finding the appropriate environmental training is not always easy. Some courses may cross environmental pillars.

The catalog is organized in the following sections:

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**Conservation**

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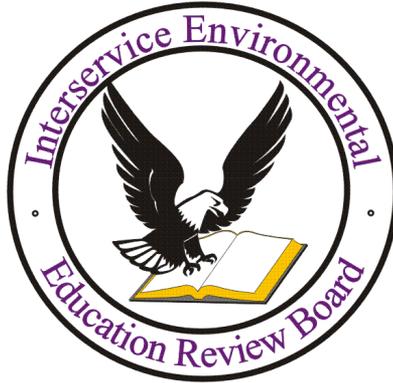
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Welcome to the Interservice Environmental Education Review Board (ISEERB) course catalog.

The Department of Defense (DOD) has dedicated professionals working every aspect of environmental stewardship and compliance. ISEERB courses meet compliance goals.

We continue to look at new ways to get the right training to the right people at the right time.

## Introducing ISEERB Environmental Training

Using ISEERB for environmental training has saved the DOD millions of dollars over the past 15 years by eliminating replication of environmental course material. ISEERB is an important foundation to our DOD Environmental Program, tailored when necessary, providing DOD-wide, consistent, quality training, delivered where and when necessary, both in the Continental United States (CONUS) and overseas.

### ISEERB Approval

ISEERB was instituted by the DOD Interservice Training Review Organization (ITRO). ITRO designated ISEERB as a standing board chartered to provide the DOD components with the most cost-effective and efficient environmental education and training. “ISEERB-approved” is an endorsement given specific environmental education and training courses that have been reviewed by subject-matter experts from the DOD components and found to have a common content suitable for use by more than one component. The purpose of ISEERB is to eliminate duplication in course development by the components and maximize the distribution of quality environmental training.

Registration information for each ISEERB-approved course is provided under Quota Control and in the course write-up.

**Air Force Institute of Technology (AFIT)**

The Civil Engineer School (Bldg 643)

2950 Hobson Way

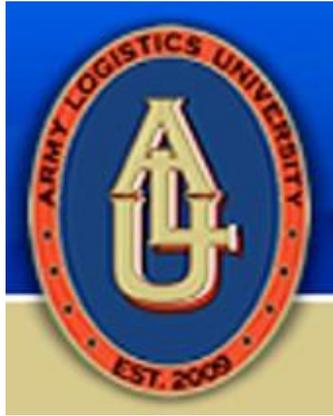
Wright-Patterson AFB OH 45433-7765

Tel: (937) 255-5654 (Ext. 3780), DSN 785-5654

Fax: (937) 255-4645, DSN 785-4645

Open enrollment begins 90 days before class start date and closes 14 days before class start date. Course Descriptions and Prerequisites are available by selecting the appropriate class from the Course Catalog. Students select the desired date and select "Apply" to reach the registration application. Students must complete all fields before hitting the "Submit Application" button. Resident classes are held at Wright-Patterson AFB, Dayton OH or alternate locations as designated.

<http://www.afit.edu/ce>



### **Army Logistics University (ALU)**

ATTN: ATSZ SMN

2401 Quarters Road

Fort Lee, VA 23801-1705

<http://www.alu.army.mil>

Admission to an ALU course is by approval and nomination from the prospective student's Major Command through the Army Training Requirements and Resources System (ATRRS) [<https://www.atrrs.army.mil/>]. The ATRRS school code for ALU is 907 for Fort Lee and for non-resident courses.

Command/Service training officers must ensure nominees meet course prerequisites and that quotas/spaces and funding are available.

Students who are in the Air Force, Navy, Marine Corps, Coast Guard, DLA, DoD Contractors, NAF employees or non-DoD agencies, must go through their Command's/Service's specific training channels to apply for ALU courses. This is to ensure they are given credit in their Service training system as well as in ATRRS.

National Guard or Reserve students must apply through their POTO/Unit to obtain funding approval and enrollment in ATRRS.

### **Army Logistics University (ALU), continued**

If a student/Command desires to obtain a quota/seat in a class conducted at another location, they/their ATRRS Training Officer/Site Training Coordinator must contact the desired sites POC (C3 screen in ATRRS) to obtain permission for the student to attend.

Reservations or “holds” against resident quotas must be posted to ATRRS at least 46 days before the class start date or ATRRS will automatically release quotas on a first-come, first-served basis.

For additional information, go to the ALU website <http://www.alu.army.mil>. At the site, go to “Student Hub” icons at the bottom half of the page and select info on “Admissions” or “Courses”. Under “Courses” select “Functional Courses”, “CPCE Courses”. Info is also available by selecting the “Functional” tab at the top of the page, select “Courses” from the CPCE menu. This tab will lead to the ALU course catalog in ATRRS.

Contact the Course Director at 804-765-4117 for any additional info on the courses.

**Note:** ALU is required by the Office of the Assistant Secretary of the Army for Financial Management and Comptroller (OASA [FM&C]) to collect tuition for training non-DoD agency employees, non-appropriated fund (NAF) employees and DoD Contractors.



### Naval Civil Engineer Corps Officers School (CECOS)

3502 Goodspeed Street, Suite 1  
Port Hueneme, CA 93043-4336

Registrars:

Tel: (805) 982-2876/3276, DSN 551-2876/3276

Fax: (805) 982-5765, DSN 551-5765

Confirmation of course registration to include specific travel and lodging information will be emailed to the students at least 30 days prior to class to start date. Students will be required to use the eNTRS system to register if they have a DOD ID number. For students that do not have a DOD ID number, please follow the alternate instructions on the registration page. Please visit

<https://www.netc.navy.mil/centers/csfe/cecos> for instructions on registering for courses and a link to eNTRS.

Course Schedule and registration information can also be found at the DENIX (account required) website:

<https://www.denix.osd.mil/cecos/>

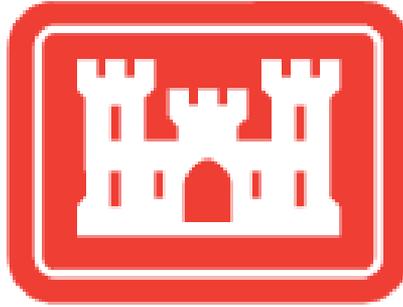


### **Defense Logistics Agency (DLA) Training**

3990 E. Broad Street  
Bldg 11, Section 5  
Columbus, OH 43218–3990  
(800) 458–7903

Space in classes is limited and registrations are taken on a first come-first serve basis. Registrations are taken by telephone Monday through Friday, 8 a.m.–4:30 p.m. EST. Call (800) 458–7903 to place your registration. Submit an SF 182 that has been processed through proper channels. The SF 182 must contain an accounting classification and a billing address. In addition, a Military Interdepartmental Purchase Request (MIPR), DD Form 448, a budget base transfer (within DLA), or a Government credit card can be used for payment. For more information, visit Web site:

<https://resources.hr.dla.mil/training/register.asp>



**United States Army Corps of Engineers (USACE) Learning Center  
(ULC)**

550 Sparkman Drive,  
Huntsville, AL 35816

Tel: (256) 895-7425

Fax: (256) 895-7469

Email: DLL-CEHNC—[Registrar@usace.army.mil](mailto:Registrar@usace.army.mil)

**CORPS EMPLOYEES:**

Corps Employees are required to complete a SF 182 and submit the request through their local training coordinator.

**NON-CORPS GOVERNMENT EMPLOYEES:**

Non-Corps government employees should submit a SF 182 through your local training coordinator.

**STATE, COUNTY AND CITY EMPLOYEES:**

All Other Employees must submit a written request to the Registrar's office.

**CONTRACTORS/PRIVATE CITIZENS:**

Assuming the Contractor/Private Citizen applicants meet the prerequisites as set forth in The Course Description, the following procedures apply to registering them in PROSPECT courses:

The ULC will accept Private Citizens only after meeting all Corps of Engineers and other governmental agency priorities. Private Citizens must pay by credit card.

To register go to: <http://ulc.usace.army.mil/HowToRegister.aspx>



**United States Coast Guard (USCG) Training Center Yorktown**

ATTN: Mr. Larry Brooks

Port Operations School

Hamilton Hall RM 131

1 U.S. Coast Guard Training Center

Yorktown, VA 23690

Tel: (757) 856- 2710

E-mail: [Lawrence.M.Brooks@uscg.mil](mailto:Lawrence.M.Brooks@uscg.mil)

There are three annual course convening with quotas funded for 12 Coast Guard personnel. In addition, there are 12 unfunded quotas for state agencies, federal agencies, and petrochemical industry representatives.



## Basic Environmental Law

Basic Environmental Law is an ISEERB-approved course that provides DOD personnel with a general survey of Federal environmental statutes and their implementing regulations. Environmental compliance theory and policy are also covered.

The course mission is to support compliance with all the applicable laws, promote stewardship for our natural resources, and instill an environmental ethic within the DOD workforce. As applicable, environmental responsibilities unique to ISEERB components are also covered. Senior DOD environmental attorneys teach this course.

### Course topics:

- Federal System of Law and Government
- Common Law for Environmental Contamination
- Sovereign Immunity and related legal theory
- Environmental Planning (NEPA, CZMA)
- Natural Resources Protection (Endangered Species Act, Marine Mammal Protection Act, Sikes Act, Migratory Bird Treaty Act, and Wetlands Protection)
- Management of Hazardous Waste (RCRA)
- Environmental Restoration (CERCLA)
- Clean Water (Clean Water Act, Safe Drinking Water Act, Marine Protection Act)
- Control of Toxic Substances (Toxic Substances, Lead, Paint, Asbestos, PCBs, EPCRA)
- Planning for and Responding to Spills and Releases (Oil Pollution Act, National Contingency Plan)
- Environmental Enforcement and Crimes
- Cultural Resources Protection (National Historic Preservation Act (NHPA))
- Archeological & Historic Preservation Act (AHPA)
- Native American Graves Protection & Repatriation Act (NAGPRA)
- American Indian Religious Freedom Act (AIRFA)



## Basic Environmental Law, Continued

### Who should attend

All Military and civilian DOD and United States Coast Guard personnel with environmental responsibilities; facility planners, judge advocate general and attorneys who need a survey of environmental law; public affairs personnel, Commanding Officers and their staff members with environmental duties.

### Quota Control

<https://www.netc.navy.mil/centers/csfe/cecos>

**School:** CECOS

**Course Length:** 3 days

**Course Number:** A-4A-0058/379C

**Maximum number of course participants:** 40



## Environmental Laws and Regulations

This is a general survey course designed for non-attorneys or for attorneys with limited background in environmental law. Topics include federal laws and regulations for environment protection; pollution standards and variances; congressional and judicial developments; economic and technical difficulties in meeting standards; relation of the Corps of Engineer to State and Federal agencies in meeting standards and enforcing laws; methods of monitoring pollution; legal penalties; litigation techniques; the Rivers and Harbors Act of 1899 regulatory provisions; the National Environmental Policy Act (NEPA); Executive Order 11514; the NEPA's regulations of the Council on Environmental Quality; the Federal Clean Water Act; the Federal Clean Air Act; the Resource Conservation and Recovery Act; the Toxic Substances Control Act; the Endangered Species Act; the Fish and Wildlife Coordination Act; the Historic Preservation Act; the Noise Control Act; the Federal Environmental Pesticide Control Act; the Coastal Zone Management Act; regulations of the Environmental Protection Agency; and state laws and regulations.

### Who should attend

Army nominees must be assigned (a) Occupational Series; Selected 0020, 0100, 0400, 0800, and 0900; (b) Grade: GS-07 or above. Other Services must be assigned environmental duties that require understanding of environmental laws and regulations.

### Quota Control

<http://ulc.usace.army.mil/>

**School:** Army Lead / ULC

**Workshop length:** 4½ days

**Workshop number:** 170/CECC-E 33ELRO1A

**Maximum number of workshop participants:** 30



## Environmental Negotiation Workshop

This three day ISEERB-approved workshop provides instruction on negotiation and communication skills necessary to achieve productive agreements with regulatory and public stakeholders regarding environmental risk management issues. The class aims to make attendees more knowledgeable and comfortable in the negotiation process in order to have confidence in a negotiation. It stresses the human, organizational, and public aspects of building constructive relationships with stakeholders and installation management. Case studies and role playing provide an opportunity for every student to apply the information presented in class.

### Who should attend

Military and civilian personnel in environmental compliance, installation restoration, natural resources and planning who are responsible for communicating and negotiating with environmental regulators or with the public regarding environmental matters. Environmental management personnel are strongly encouraged to enroll.

### Quota Control

<https://www.netc.navy.mil/centers/csfe/cecoc>

**School:** CECOS

**Workshop length:** 3 days

**Workshop number:** A-4A-0067/3354

**Maximum number of workshop participants:** 35



## Health and Environmental Risk Communication Workshop

This three day ISEERB-approved workshop provides attendees with basic knowledge, skills, and tools in risk communication fundamentals and processes to effectively communicate environmental issues to stakeholders of diverse interests and backgrounds. The course presents guidance on how to develop a proactive program to establish and maintain a sound relationship with stakeholders through dialogue based on mutual trust and credibility. Instruction focuses on how to have open discussions on environmental restoration issues, establish confidence in communicating key messages, improve verbal and nonverbal communication skills, and revitalize stakeholder dialogue. Although the course was originally designed to meet the needs of restoration personnel, other environmental personnel can benefit from this training.

### Who should attend

Military and civilian personnel responsible for communicating environmental issues associated with environmental risk management, including Remedial Project Managers, BRAC Environmental Coordinators, Base Closure Team members, installation environmental program managers, technical experts, engineers, scientists, health and safety personnel, natural and cultural resource personnel, environmental planners, public affairs personnel, commanding officers and their staff, executive staff, attorneys, and, on a case-by-case basis, sponsored contractors.

### Quota Control

<https://www.netc.navy.mil/centers/csfe/cecos>

**School:** CECOS

**Workshop length:** 3 days

**Workshop number:** A-4A-0072/335B

**Maximum number of workshop participants:** 35



## Qualified Recycling Program Management

This course emphasizes principles and techniques to assist students in implementing a sound Qualified Recycling Program. The course focuses on learning what products can be recycled, products prohibited from recycling, QRP regulations, necessary processing equipment, collection and sorting methods to maximize returns, working with your DLA-DS, establishing contracts, recording transactions, DOD recordkeeping, and estimating future budgets.

### Who should attend

Course is intended for Installation Qualified Recycling Program Managers and Installation Pollution Prevention Program Managers who manage QRP.

### Quota Control

<http://www.afit.edu/ce>

**School:** AFIT

**Workshop length:** 4.5 days

**Workshop number:** WENV160

**Maximum number of workshop participants:** 35



## Air Quality Management

The Air Quality Management course provides discussions of technical and regulatory issues appropriate for the activity/installation level Air Quality Manager. Topics include compliance, emission inventories and processes, refrigerant management, permitting, pollution control technology, DOD Applicable NESHAPs, NEPA and Conformity. A limited number of problem solving exercises are included.

### Who should attend

Course is intended for active duty or a civil service employee working in air compliance whether at regional or facility level.

### Quota Control

<http://www.afit.edu/ce>

**School:** AFIT

**Workshop length:** 5 days

**Workshop number:** WENV 531

**Maximum number of workshop participants:** 30



## Advanced Air Quality Management

The Advanced Air Quality Manager course covers advanced technical and regulatory issues appropriate for the activity/installation level Air Quality Manager. Topics include air emission inventory techniques, state implementation plans, permit maintenance, New Source Review, DOD air quality issues, and legal issues. A limited number of problem solving exercises are included.

### Who should attend

Course is intended for active duty or a civil service employees working in air compliance at regional or facility level with a minimum of six months air quality experience. Completion of ENV 531, Air Quality Management is highly recommended.

### Quota Control

<http://www.afit.edu/ce>

**School:** AFIT

**Workshop length:** 5 days

**Workshop number:** WENV 532

**Maximum number of workshop participants:** 30



## Water Quality Management

The Water Quality Management course provides discussions of environmental regulatory issues about water program compliance. Major subject areas include wastewater, storm water, and drinking water program management. Specific wastewater and storm water topics include permitting requirements; wastewater pretreatment; discharge sampling, analysis, and reporting; sewer system evaluation; and storm water program development for regulated activities such as construction, industrial, and municipal storm sewer collection systems. Drinking water topics include drinking water system evaluation; public notification; water vulnerability assessments; wellhead protection; and backflow prevention. The course also provides a detailed discussion of program management issues such as funding; project programming; and data management.

### Who should attend

Wastewater Program Managers, Storm Water Program Managers, Drinking Water Program Managers. Personnel associated with water program management and design engineers.

### Quota Control

<http://www.afit.edu/ce>

**School:** AFIT

**Workshop length:** 5 days

**Workshop number:** WENV 541

**Maximum number of workshop participants:** 30



## Environmental Quality Sampling

This ISEERB approved course is designed to satisfy the training requirements for Navy environmental samplers specified in OPNAVINST 5090.1 (series) by providing training in:

- basic sampling techniques (grab/composite/multi-increment sampling, avoidance of cross contamination, use of preservatives, etc.)
- specific sampling techniques for the following media: soil, potable water, waste water (including storm water), groundwater and hazardous waste
- completion of environmental sampling paperwork (e.g. sample container labeling, field log books, chain of custody documentation)
- health and safety considerations
- field testing techniques (i.e. use of pH meter, conductivity / total dissolved solids meter, temperature indicator and dissolved oxygen meter)
- Use of a flow-through cell for micro purging of monitoring wells.

Much of the course time is devoted to hands-on laboratory and field exercises. The proper use of various types of sampling equipment is demonstrated in the classroom. Students are given the opportunity to practice using equipment in the laboratory and simulate on-the-job conditions.

The course provides an overview of:

- the Sampling and Analysis Plan (including the Quality Assurance Plan, the Field Sampling Plan, and the Health and Safety Plan)
- Sampling Strategies (including statistical and nonstatistical)
- Groundwater hydrology
- Environmental laws and regulations



## Environmental Quality Sampling, Continued

### Who should attend

Military, civilian, or contractor personnel who collect or oversee the collection of environmental samples (contractors must have military or civilian sponsor) for DOD/Coast Guard.

### Quota Control

<https://www.netc.navy.mil/centers/csfe/cecos>

**School:** CECOS

**Workshop length:** 5 days

**Workshop number:** A-4A-0026/4749

**Maximum number of workshop participants:** 25



## Hazardous Waste Management and Manifesting

The Hazardous Waste Manifest/DOT Certification course is 36-hours and provides initial training regarding regulatory requirements of the Hazardous Materials Transportation Act (HMTA) and the Resource Conservation and Recovery Act (RCRA) as it applies to the generation, transportation, and disposal of hazardous waste. Employers are able to certify that 49 CFR 172 Subpart H has been met for their employees. This is a DOD-approved course in accordance with DTR 4500.9–R. Certain RCRA and safety related training elements required by 49 CFR 172 Subpart H and 40 CFR 265.16 are typically site-specific and must be performed on the job.

### Who should attend

This course is designed for persons that identify proper shipping names for hazardous waste IAW DOT regulations; select appropriate packaging, marking, labels, and placards; determine RCRA waste identification and classification; complete or review hazardous waste manifests and land disposal restriction notifications; prepare shipping documents for hazardous waste, used oil, PCBs and asbestos; ship analytical samples; load or unload hazardous waste; and prepare waste/materials for transport. This course is open to all federal agencies and contractors.

### Quota Control

<http://ulc.usace.army.mil>

**School:** ULC

**Course length:** 4½ days

**Course number:** 223/CECW–ET

**Maximum number of course participants:** 30



## Hazardous Waste Management and Manifesting Refresher

The Hazardous Waste Manifest/DOT Recertification course is 16-hours and provides recurrent training regarding regulatory requirements of the Hazardous Materials Transportation Act (HMTA) and the Resource Conservation and Recovery Act (RCRA) as it applies to the generation, transportation, and disposal of hazardous waste. It enables employers to certify as required by 49 CFR 172 Subpart H that their employees have been trained and tested in general awareness and function-specific elements described below. In addition, this is a DOD approved course in accordance with DTR 4500.9-R.

Certain RCRA and safety related training elements required by 49 CFR 172 Subpart H and 40 CFR 265.16 are typically site-specific and must be performed on the job.

### Who should attend

This course is designed for persons with any of the following job responsibilities: identification of proper shipping names for hazardous wastes IAW DOT regulations; RCRA waste identification and classification; completion or review of hazardous waste manifests and/or land disposal restriction notifications; preparation of shipping documents for used oil, asbestos and PCBs; shipping of analytical samples; loading or unloading of hazardous wastes; and transportation of hazardous materials in general. This course is open to all Federal agencies and their contractors.

### Quota Control

<http://ulc.usace.army.mil>

**School:** ULC

**Course Length:** 16 hours

**Course number:** 429/CECW-ET

**Maximum number of course participants:** 30



## Transportation of Hazardous Material/Hazardous Waste (HM/HW) for DOD

This introductory course provides a comprehensive understanding of the Department of Transportation (DOT) hazardous material regulations. The course provides information on the shipper's responsibility for surface transportation of hazardous material/hazardous waste (HM/HW) with emphasis on HW. The course is designed to meet the DOT mandatory training requirement of 49 CFR 172, Subpart H, with regards to HW shipments.

Course highlights include:

- HM/HW identification and classification
- Shipping papers (HW manifest)
- Packaging
- Marking
- Labeling
- Placarding
- Emergency response information
- HM transportation security

### Who should attend

This course is designed for personnel who prepare HW for highway shipment and/or sign Environmental Protection Agency (EPA) HW manifests. Those employed by DOD, Federal, or State Governments are eligible to attend.

### Quota Control

<http://www.hr.dla.mil>

**School:** DLA Training

**Workshop length:** 5 days

**Workshop number:** DCPSO00R510

**Maximum number of course participants:** 25



## Transportation of Hazardous Material/Hazardous Waste (HM/HW) for DOD Recurrent

This course provides a comprehensive review of the Transportation of Hazardous Material/ Hazardous Waste (HW/HM) for DOD (DCPSO00R510). Emphasis is on HW. The course is designed to meet the Department of Transportation (DOT) mandatory training requirement 49 CFR 172, Subpart H. with regards to HW shipments.

Course highlights include:

- HM/HW classification
- Shipping papers (HW manifest)
- Packaging
- Marking
- Labeling
- Placarding
- Emergency response information
- HM transportation security

### Who should attend

This course is designed for employees who prepare HW for highway shipment and/or sign Environmental Protection Agency (EPA) HW manifests. Those employed by the DOD, Federal or State Governments are eligible to attend. There is a prerequisite requirement of successful completion of the DLA course ***Transportation of Hazardous Material/ Hazardous Waste (HW/HM) for DOD*** (DCPSO00R510) or equivalent.

### Quota Control

<http://www.hr.dla.mil>

**School:** DLA Training

**Course length:** 3 days

**Course number:** DCPSO00R610

**Maximum number of course participants:** 25



## Defense Hazardous Materials/Waste Handling Course (DHMWHC)

The course provides students with fundamental information to manage hazardous materials and hazardous wastes (HM/HW) as required by the Resource Conservation and Recovery Act (RCRA) 40 CFR Parts 260-265, 273 & 279, applicable Codes of Federal Regulation (CFRs) and Federal policy requirements. The course covers DoD Environmental Policy, Stewardship, Pollution Prevention, HM Laws/Regulations/Policies, Classifying HM/HW, Health Effects, Identification & Labeling, HM/HW Accumulation Management and Contingency Planning & Initial Response. The course does not certify students as hazardous cargo certifiers or HAZWOPER responders, rather it provides general training requirements for HM/HW managers under RCRA regulations 40 CFR 264.16 and 265.16, the Hazard Communication Program 29 CFR 1910.1200, DoT Hazardous Material Training 49 CFR 173.700–704 and DoDI 4715.06. The course can be modified to meet training needs by adding/removing topics and is conducted by lecture, Instructor guided/student led discussions, practical exercises, chapter review questions and assessments.

**Who should attend:** U.S. Military, DoD Civilians (or supervisors), DLA employees, DoD Contractors, non-DoD agencies (DHS, etc.), NAF employees or Commander directed training for persons who package, handle, store, transport or manage HM/HW.

**Quota Control:** Contact your Command's/Service's designated Training Coordinator.

**School:** Army Logistics University (ALU)

**Course length:** 3 days

**Course number:** 9E-F50/322-F34 (MT)

**Maximum number of students:** 40



## Defense Hazardous Waste Course (DHWC)

The course provides a comprehensive review of topics covered in the 3-Day, Defense Hazardous Materials/Waste Handling Course. The course includes a refresher/overview of DoD Environmental Policy, HM & HW regulations DoD, Stewardship, HM/HW Laws, Regulations & Policies, Classifying HM/HW, Health Effects, Identification & Labeling, HM & HW Accumulation Management, Chemical Compatibility and Contingency Planning & Initial Response. It is intended to satisfy the requirements of annual RCRA (40 CFR 260-265) update training for HM/HW handlers/managers. The course provides general refresher training for HM/HW handlers/managers under RCRA regulations 40 CFR 264.16 and 265.16, the Hazard Communication Program 29 CFR 1910.1200, DoT Hazardous Material Training 49 CFR 173.700–704 and DoDI 4715.06.

**Who should attend:** U.S. Military, DoD Civilians (or supervisors), DLA employees, DoD Contractors, non-DoD agencies (DHS, etc.), NAF employees or Commander directed training for persons who package, handle, store, transport or manage HM/HW.

**Quota Control:** Contact your Command's/Service's designated Training Coordinator.

**School:** ALU

**Course length:** 8 hours

**Course number:** 9E-F51/322-F35 (MT)

**Maximum number of students:** 30

## On-Scene Coordinator Crisis Management



This course provides capstone all hazards crisis management training for our field commanders. It focuses on balancing multiple responsibilities to direct Coast Guard resources and coordinate federal, state, local and private sector resources in response to a crisis. This course is designed for senior and mid-grade officers at Sectors, MSUs, and Strike Teams in the position of CO, Deputy, Executive Officer and/or Response Department Head. Attendees from industry or federal and state agencies should have equivalent levels of job responsibility. The course includes training in critical elements of crisis management and response; funding and documentation; crisis media communication; and ICS-410 training to qualify as a type 2 regional incident commander.

### Who should attend

Military and civilian employees with On-Scene Coordinator responsibility for oil and hazardous substances incidents.

Note: There are three annual course convening with quotas funded for 12 Coast Guard personnel. In addition, there are 12 unfunded quotas for state agencies, federal agencies, and petrochemical industry representatives.

### Quota Control

<http://www.uscg.mil/hq/rtc/mSchools/MPO/courses.shtm>

**School:** USCG Training Center Yorktown

**Course length:** 9 days

**Course number:** MS 523

**Maximum number of course participants:** 24



## CERCLA/RCRA Process

This course was developed by in-house USACE staff and focuses on the regulatory requirements for cleaning up hazardous substances, pollutants, and contaminants under CERCLA and solid and/or hazardous wastes at RCRA sites. This course covers the CERCLA process as outlined by Subpart E of the National Contingency Plan and the RCRA corrective action process as implemented via EPA guidance, RCRA permit requirements, and consent orders. CERCLA topics addressed include preliminary assessment, site inspections, removal site evaluations, engineering evaluations/cost analyses, removal actions, remedial investigations, feasibility studies, proposed plans, records of decision (ROD), pre- and post- ROD changes, remedial design and construction, and public participation requirements. RCRA topics include the initiation of the RCRA corrective action process via permit conditions and consent orders, the RCRA Facility Assessment, RCRA Facility Investigations, Interim Stabilization Measures, Corrective Measures Studies, and Corrective Measures Implementation.

### Who should attend

Military and civilian employees who are directly involved in environmental restoration and have at least one year of environmental experience. This course is open to DOD contractors.

### Quota Control

<http://ulc.usace.army.mil>

**School:** ULC

**Course Length:** 3 days

**Course Number:** 356

**Maximum number of course participants:** 30



## Environmental Sampling Design and Data Quality Assurance

This course stresses the connection between the Data Quality Objectives (DQO) process and the management of quality assurance.

DQOs refers to a seven-step planning process developed by EPA to ensure that the type, quantity, and quality of environmental data used in decision-making are appropriate for the intended application. Although the DQO process was developed as part of the Superfund remediation effort, the process can be applied to emergency response and industrial hygiene scenarios. This course introduces the student to the DQO process, reviews statistical concepts such as hypothesis testing, describes sampling strategies and through the use of case studies and computer-based exercises, allows the student to apply the process to site remediation, emergency response, and industrial hygiene situations.

Managing environmental quality assurance describes how to develop, implement, and manage an environmental QA/QC program for field and laboratory sampling and testing. This part of the curriculum consists of classroom lectures and group exercises. Attention is given to updating students to new laws, policies, and laboratory practices that impact the development and implementation of a Quality Assurance Project Plan (QAPP). Laboratory issues are given more attention than field issues. The management of a QA/QC program is given more attention than the analytical chemistry and statistics that are used to implement a QA/QC program.



## Environmental Sampling Design and Data Quality Assurance, Continued

### Who should attend

Installation Restoration program personnel who collect or oversee the collection and analysis of environmental samples from uncontrolled hazardous waste sites.

Others who are encouraged to take the course include:

- Quality Assurance Personnel
- Environmental Scientists
- Environmental Contract Officers Technical Representatives (COTR)
- On-Scene Coordinators
- Site Assessment Managers
- Resource Conservation Recovery Act (RCRA) Facility Managers
- Quality Assurance Project Plan (QAPP) Preparers and Reviewers
- Environmental Project Team Members
- Other personnel who plan, scope, review, and implement and assess site cleanup projects.

### Quota Control

Air Force: [www.afit.edu/ce](http://www.afit.edu/ce)

Navy: <https://www.netc.navy.mil/centers/csfe/cecos>

**School:** AFIT

**Course length:** 5 days

**Course number:** WENV 441

**Maximum number of course participants:** 20



## Uniform Federal Policy for Quality Assurance Project Plans (QAPP)

This course trains personnel on the Intergovernmental Data Quality Task Force (IDQTF) Uniform Federal Policy (UFP) for Quality Assurance Project Plans (QAPPs). To enable personnel to participate as a member of a project team using the UFP-QAPP documents to develop, review, and implement QAPPs that:

- Are consistent with the UFP,
- Document the Systematic Planning Process, and
- Support the generation/collection of defensible environmental data of known and document quality appropriate for their intended use.

### Who should attend

Students include Department of Defense (all services), Department of Energy, Environmental Protection Agency, other Federal government personnel, representatives of Native American Tribes, and state environmental regulators. The course particularly targets personnel who develop, review, implement or use QAPPs, or personnel who have to communicate QAPPs, including, but not limited to:

- Remedial Project Managers (RPMs)
- On-Scene Coordinators
- Site Assessment Managers
- RCRA Facility Managers
- Enforcement Personnel
- State and Tribal Regulators
- Quality Assurance Personnel
- Contractors and Oversight Officers
- Field Task Managers
- Laboratory Personnel

To gain maximum benefit from this course, students should possess a basic knowledge of environmental quality system and the systematic planning process.



## Uniform Federal Policy for Quality Assurance Project Plans (QAPP), Continued

### Quota Control

<https://www.netc.navy.mil/centers/csfecocos>

**School:** CECOS

**Course length:** 2 days

**Course number:** A-4A-0095/752A

**Maximum number of course participants:** 30



## Ecological Risk Assessment

This course provides attendees with information on Ecological Risk Assessment (ERA) and its use in the Installation Restoration (IR) program.

Instruction includes discussion on

- the ERA components
- how the risk manager and risk assessor decide what is needed for a site-specific ERA
- technical oversight that should be included in the ERA
- how the tasks of the ERA should be performed
- how to estimate risk based on the results of the ERA, and
- how the ERA fits within required regulatory processes such as RI/FS (CERCLA) and RFI/CMS (RCRA).

### Who should attend

Military and civilian personnel who plan, scope, or review ecological risk assessments or use findings or conclusions from ecological risk assessments in decisionmaking. This includes Remedial Project Managers (RPMs), Remedial Technical Managers (RTMs), BRAC Environmental Coordinators (BECs), and Engineers in Charge (EICs). The course curriculum is designed primarily for personnel who have at least six months of environmental restoration experience or have attended an introductory environmental restoration course.

### Quota Control

<https://www.netc.navy.mil/centers/csfe/cecos>

**School:** CECOS

**Course length:** 3 days

**Course number:** A-4A-0081/335V

**Maximum number of course participants:** 35



## Human Health Risk Assessment

This course provides instruction on how to conduct and manage human health risk assessments that are scientifically tenable and defensible, and how to use this information to make risk management actions that are protective of human health and the environment. The theory and practical application of risk assessment and risk management will be presented. This course will involve a working case study for oversight of risk assessments by remedial project managers and Installation Restoration (IR) personnel. Instruction is focused on the efficient oversight and management of risk assessment and management by their contractors that is in balance with DOD regulatory and community requirements and concerns

### Who should attend

Military and civilian employees who are Installation Restoration Program (IRP) RPMs, BRAC Environmental Coordinators, UST EICs, and any personnel who plan, scope, or review human health risk assessments, and/or are responsible for managing risks associated with environmental contamination.

### Quota Control

<https://www.netc.navy.mil/centers/csfe/cecoc>

**School:** CECOS

**Course length:** 3 days

**Course number:** A-4A-0078/335R

**Maximum number of course participants:** 35



## Advanced Historic Preservation Law and Section 106 Compliance

This course takes the next step after the “Introduction to Cultural Resource Management Laws and Regulations” emphasizing legal compliance (the National Historic Preservation Act Section 106 process). It addresses legislation and the process to meet the requirements of the law to help the student support DOD, Military Service and their installation’s mission.

This course covers communications with related oversight agencies (e.g., State Historic Preservation Officer (SHPO) and the Advisory Council on Historic Preservation); Standards for Rehabilitation; use of historic properties; Defining Historic Fabric; Maintenance and Repair of Historic buildings; Archeological Resources; Native American Issues.

This 3-day course includes a short tour of historic properties that may require short walks.

### Who should attend

It is recommended that this course be taken after completion of the “Introduction to Cultural Resource Management Laws and Regulations” course by: Primary duty (Cultural Resource Managers, Environmental Lawyers (or lawyers in that capacity), and Environmental staffs.); collateral duty personnel responsible for cultural resources management and compliance with Federal laws and DOD policy); and personnel that are non-cultural resources specialists (Civil Works Managers (U.S. Army Corps of Engineers), Facility planners; Range planners, etc.) having a direct or indirect impact on cultural resources during the performance of their duties.

This course is specifically required for Navy personnel positions listed in Chapters 27 & 28 of OPNAVINST 5090.1C.



## Advanced Historic Preservation Law and Section 106 Compliance, Continued

### Quota Control

<https://www.netc.navy.mil/centers/csfe/cecos>

**School:** CECOS

**Course length:** 3 days

**Course number:** A-4A-0073/335C

**Maximum number of course participants:** 30

### Master Planning Sustainable Historic Structures



This course provides awareness of the unique characteristics, legal requirements, procedures, technical knowledge, and skills necessary to administer, maintain, and repair historic properties of the Federal Government. The course addresses pertinent laws, regulation, Secretary of the Interior's Standards, and Criteria and Guidance. Identification and documentation of historic fabric are addressed.

Maintenance inspection and diagnostics, maintenance types and cost and execution of minor maintenance and repair are addressed. Design of exterior and interior finishes, life-safety and accessibility, seismic design, preservation of historic landscape, material life cycle value, energy conservation and engineering support systems, and procedures for design, procurement and execution-treatment are included. The field trip addresses treatment techniques, making choices, and case studies in interpreting preservation guidelines.

Each course participant is required to bring three 35mm slides. The slides are used in an introduction session Monday morning. Each participant will be asked to say a few words from his seat about the images. Slides should represent participant's involvement with historic preservation on his/her respective installation. Examples might include past projects, success stories, or problem areas. This is a networking and ice breaking activity. Hand in slides at registration Sunday evening or first thing Monday morning before sessions begin.

#### Who should attend

Military and civilian personnel who have a minimum of one year experience in their organization prior to attending this course and be working with historic structures or in cultural resource management.



## Master Planning Sustainable Historic Structures, Continued

### Quota Control

<http://ulc.usace.army.mil/CourseListDetail.aspx?CtrlNbr=392>

**School:** ULC

**Course length:** 4½ days

**Course number:** 392/CECW–EI 35HIS01A

**Maximum number of course participants:** 30



## Introduction to Cultural Resources Management Laws and Regulations

This course provides an integrated overview of all pertinent laws and regulations needed to understand and fulfill cultural resource management responsibilities. This is the first in a series of Cultural Resource courses designed to provide cultural resource tools for Cultural Resources Managers (CRMs), their staffs, and personnel having a direct or indirect impact on cultural resources in support of DOD, Military Service, and Installation's mission. A half-day tour of an historic site helps facilitate the awareness of DOD and the Coast Guard's histories.

### Who should attend

It is recommended that this course be taken by primary duty (Cultural Resource Managers, Environmental lawyers (or lawyers in that capacity), and Environmental staffs.); collateral duty personnel responsible for cultural resources management and compliance with federal laws and DOD policy; and personnel who are non-cultural resources specialists (Civil Works managers and US Army Corps of Engineers), facility planners; range planners, etc., having a direct or indirect impact on cultural resources during the performance of their duties.

This course is specifically required for Navy personnel positions listed under Chapters 27 & 28 of OPNAVINST 5090.1C

### Quota Control

<https://www.netc.navy.mil/centers/csfe/cecos>

**School:** CECOS

**Course length:** 3 days

**Course number:** A-4A-0070/3358

**Maximum number of course participants:** 30



## Natural Resources Management and Compliance

This course offers instruction in specific natural resource laws, regulations, policies, Executive Orders, DOD Instructions, and other guidance, noting Service-specific requirements. Course addresses stewardship, preservation, and process; fish, game, and wildlife management laws; protection of wetlands, waterways, and other protected ecological areas; forest and land use management laws; Sikes Act and INRMP; planning, programming, and budgeting for NRC projects is addressed; and interservice cooperation. Practical exercises, a half-day tour of a DOD or Coast Guard natural resource site and guest speakers are included. A field trip is often an integral part of this training. Students need to be prepared for short hikes and dress appropriately. Sunscreen and insect repellent are recommended items to bring.

### Who should attend

It is recommended that this course be taken by primary duty Natural and Cultural Resource Managers and personnel, environmental lawyers (or lawyers in that capacity), Civil Works Natural Resource Managers (U.S. Army Corps of Engineers), Natural Resources Law Enforcement personnel, and environmental staffs; collateral duty personnel (who are non-natural resources specialists responsible for natural resources management and compliance with Federal laws and DOD policy); and personnel having a direct or indirect impact on natural resources during the performance of their duties.

### Quota Control

<https://www.netc.navy.mil/centers/csfe/cecos>

**School:** CECOS

**Course length:** 4 days

**Course number:** A-4A-0087/3369

**Maximum number of course participants:** 35

AFB	Air Force Base
AFIT	Air Force Institute of Technology
AHPA	Archeological and Historic Preservation Act
AIRFA	American Indian Religious Freedom Act
ALU	Army Logistics University
APWO	Alternate Public Works Officer
ATRRS	Army Training Requirements and Resources System
BEC	BRAC Environmental Coordinator
BRAC	Base Realignment and Closure
CECOS	Civil Engineer Corps Officer's School
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulation
CONUS	Continental United States
COTR	Contract Officers Technical Representative
CWA	Clean Water Act
CZMA	Coastal Zone Management Act
DD	Department of Defense
DENIX	DOD Environment, Safety and Occupational Health Network and Information Exchange
DLA	Defense Logistics Agency
DOD	Department of Defense
DOE	Department of Energy
DOE	Department of Homeland Security
DOT	Department of Transportation
DQO	Data Quality Objectives
DRMO	Defense Reutilization Management Office
DSN	Defense Switched Network
DTR	Defense Transportation Regulation
EC	Environmental Coordinator
EIC	Engineers in Charge

EO	Executive Order
EPA	Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-to-Know Act
ERA	Ecological Risk Assessment
FAR	Federal Acquisition Regulation
FEAD	Field Engineering and Architecture Department
HM	Hazardous Material
HMTA	Hazardous Material Transportation Act
HW	Hazardous Waste
IAW	In Accordance With
IDQTF	Intergovernmental Data Quality Task Force
INRMP	Integrated National Resource Management Plan
IR	Installation Restoration
IRP	Installation Restoration Program
ISEERB	Interservice Environmental Education Review Board
ITRO	Interservice Training Review Board
MIPR	Military Interdepartmental Purchase Request
MTT	Mobile Training Team
NAF	Non-Appropriated Funds
NAGPRA	Native American Graves Protection and Repatriation Act
NEPA	National Environmental Policy Act
NESHAP	National Emission Standards for Hazardous Air Pollutants
NHPA	National Historic Preservation Act
NRC	Nuclear Regulatory Commission
OICC	Officers In Charge of Construction
OPA	Oil Pollution Act
P2	Pollution Prevention
PAO	Public Affairs Officer
PCB	Polychlorinated biphenyl
POC	Point of Contact
POTO	Plans, Operations and Training Officer

PPV	Public Private Venture
PWO	Public Works Officer
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
QC	Quality Control
QRP	Qualified Recycling Program
RCRA	Resource Conservation and Recovery Act
RFI/CMS	RCRA Facility Investigation/Corrective Measures Study
RI/FS	Remedial Investigation/Feasibility Study
ROD	Records of Decision
ROICC	Resident Officers In Charge of Construction
RPM	Remedial Project Manager
RTM	Remedial Technical Manager
SDWA	Safe Drinking Water Act
SF	Standard Form
SHPO	State Historic Preservation Officer
SSN	Social Security Number
UFP	Uniform Federal Policy
ULC	USACE Learning Center
USACE	US Army Corps of Engineers
USA	United States Army
USN	United States Navy
USAF	United States Air Force
USMC	United States Marine Corps
USCG	United States Coast Guard
USDA	United States Department of Agriculture
UST	Underground Storage Tank