

Basic Environmental Health Program

Course Information and Tracking Sheet

Winter 2026

Course Name	Date/Time	Format	Instructors	Pre-requisite(s)	Completion Requirements	Date Completed
UACIHS-OPH-101 Orientation to Public Health	Self-paced	Online Course	N/A	N/A	Complete prior to CEH-PH 101	
<ul style="list-style-type: none"> Define public health Contrast public health and medicine Describe the activities of public health agencies Identify the three core functions of public health Recognize the 10 essential public health services Match public health activities to their corresponding essential service category 						
CEH-PH 101: Introduction to Public Health in New York State	Feb. 4 (9:00 am – 4:00 pm) Snow Date: Feb. 11	1 day; in-class	Katie Bush Jim Maurer	UACIHS-OPH 101: Orientation to PH (Online Course)	Attend and pass quiz	
<ul style="list-style-type: none"> A brief history of public health including the Great Sanitary Awakening Overview of modern public health and determinants of health Definition of public health and introduction to 10 essential services Organizational structure of Public and Environmental Health at the federal, state and local levels Legal aspects of public health Introduction to ethics; interactive exercises to highlight conflicts public and environmental health professionals may face 						

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CEH-CS100: Confined Space Awareness	Self-paced	Recorded Presentation	Anne Marie Gibson	N/A	Attend and pass quiz	
<ul style="list-style-type: none"> Assist workers in recognizing a confined space and associated hazards. Understand atmospheric hazards in confined spaces as well as equipment and analytical methods to quantify/qualify and characterize hazards. Review occupational health and safety requirements for confined space entry. Emphasize expectations of public health professionals if confined space entry is encountered during routine work duties. 						
CEH-PH 102: Public Health Preparedness	Feb. 19 (9:30 am - 11:30 am)	Live Webinar	Caitlin Norton Shaun Brennan	*FEMA IS-100.C *FEMA IS-700.B (Online Courses)	Attend and pass quiz	
<ul style="list-style-type: none"> Describe what emergency preparedness means in terms of public health. Explain basic emergency preparedness functions at the local, state, and federal levels and understand the role of the local health department (LHD) in emergency response. Identify public health threats that can happen in NYS that could have an environmental impact. Identify specific environmental health issues from these events. Identify environmental health issues to staff a Disaster Recovery Center. Know available resources and where to find them 						
<i>*If you have not completed these two FEMA courses as part of your new hire Orientation at your local, regional, or state health department, please complete prior to taking PH 102. You do not need to send a copy of certificate completion.</i>						

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CEH-PH 103A: Public Health Microbiology	Feb. 5 (9:00 am – 12:00 pm) Snow Date: Feb. 12	1/2 day; in-class	Ursula Lauper	UACIHS-200: Intro to Microbiology and Communicable Disease Control (Online Course)	Attend and pass quiz	
<ul style="list-style-type: none"> • Growth in the laboratory and in the environment (factors which affect growth, biofilm) • Chemical agents and other disinfectants • Examples of microbial pathogens in food or water • Detection methods, their limitations, and difficulties • Indicator organisms, their properties and usage 						
CEH-PH 103B: Communicable Disease Control	Feb. 5 (1:00 pm – 4:00 pm) Snow Date: Feb. 12	1/2 day; in-class	TBD	UACIHS 206: Field Epidemiology (Online Course)	Attend and pass quiz	
<ul style="list-style-type: none"> • Principles of Epidemiology • Public Health Surveillance and Reporting • Outbreak investigation steps, including a case study 						
CEH-PH 103C: Zoonoses	March 17 (9:30 am - 11:30 am)	Live Webinar	Dr. Andie Newman Dr. Haillie Meek	N/A	Attend and pass quiz	
<ul style="list-style-type: none"> • Epidemiology of zoonotic diseases • Rabies and other zoonoses associated with environmental health (e.g., animals in public settings) 						

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CEH-PH 103D: Insects as Disease Vectors	Self-paced	Recorded Presentation	Bryon Backenson	N/A	Attend and pass quiz	
<ul style="list-style-type: none"> • Biology and behavior of insects that affect public health • Control of Arthropods and diseases they transmit 						
CEH-EH 104A: Indoor Air & Oil Spills	March 19 (9:30 am - 11:30 am)	Live Webinar	Todd Crawford Jeffrey Hebert	N/A	Attend and pass quiz	
<ul style="list-style-type: none"> • Describe the characterization and measurement of indoor environmental quality • Discuss building ventilation systems, and their relationship to indoor air quality • Recognize the soil vapor intrusion exposure pathway, chemicals of concern and investigation strategies and mitigative measures • List possible responses to mold complaints caused by building moisture problems • Identify impacts of oil spills on building occupants and application to the Oil Spill Relocation Network 						
CEH-EH 104A.1: Meth Labs	Self-paced	Recorded Presentation	Jeffrey Hebert	N/A	Attend and pass quiz	
<ul style="list-style-type: none"> • Introduction to Clandestine Drug Labs • Public Health Issues with Clandestine Labs • Awareness and Recognition • Chemical Hazards, Physical Hazards, Impacts on the Public/Children • Federal and State Legislation and Cleanup Guidance • Response and Role of State and Local Agencies 						

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CEH-EH 104A.2: Extreme Weather and Environmental Health	Self-paced	Recorded Presentation	Todd Crawford	N/A	Attend and pass quiz	
<ul style="list-style-type: none"> • Mold Introduction & General Information • Flood Preparedness • Flood Response and Cleanup • Reoccupying Flooded Buildings 						
CEH-EH 104B: Public Health Assessment Overview	Self-paced	Online Course	Agency for Toxic Substances and Disease Registry	N/A	Complete Modules 1-4, then complete quiz in the LMS <i>You do not need to take quiz at CDC website unless you want to receive CEs</i>	
<ul style="list-style-type: none"> • Provides public health professionals with information about the Agency for Toxic Substances and Disease Registry and its method, which is known as the Public Health Assessment • Provides more details about the Public Health Assessment and how to work with communities affected by hazardous waste sites • Explains how to obtain and document the site information and data needed for the Public Health Assessment • Explains how to evaluate exposure pathways for contaminants at hazardous waste sites 						

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CEH-EH 104C: Radiation Health	Self-paced	Recorded Presentation	David O'Hehir	N/A	Attend and pass quiz	
<ul style="list-style-type: none"> Describe the functions of the Bureau of Environmental Radiation Protection, and other state, local and federal radiation protection programs Describe the basic properties of ionizing radiation Describe fundamental radiation protection standards Describe common examples of the uses and associated hazards of radioactive materials and x-ray producing equipment 						
CEH-EH 104D: Contaminated Sites	March 24 (9:30 am - 11:30 am)	Live Webinar	Daniel Tucholski	N/A	Attend and pass quiz	
<ul style="list-style-type: none"> Identify the elements of an exposure pathway at a contaminated site Describe the steps in a site investigation Identify basic environmental sample collection procedures Discuss the basic principles of risk communication 						
CEH-EH 105A: Basic Concepts of Pest Management	Feb. 24 (9:30 am - 12:00 pm)	Live Webinar	Gil Bloom	N/A	Attend and pass quiz	
<ul style="list-style-type: none"> Biology, behavior and population dynamics of commensal rodents Injuries and illness associated with commensal rodents Overview of Nuisance insects Integrated pest management, theory to application 						

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CEH-EH 106: Testimony & Enforcement	April 8 (9:30 am - 11:30 am)	Live Webinar	Mark Fleischer	N/A	Attend and pass quiz	
<ul style="list-style-type: none"> • Introduction to public health laws in New York State • Conducting public health investigations • Laws relating to enforcement and environmental health • Guidelines for testifying 						
CEH-EH 107: Bureau of Community Environmental Health and Food Protection Programs (BCEHFP)	April 21 – 23 (9:00 am – 4:00 pm) Snow Dates: April 29 – May 1	3 days; In-class	Various presenters from BCEHFP	N/A	Attend all 3 days and pass quiz	
<p>Overview of the BCEHFP programs encompassing common scientific foundations and public health goals and the administrative functions and field services designed to achieve them. Program areas include:</p> <ul style="list-style-type: none"> • Recreational Health: Children's Camps, Swimming Pools, Bathing Beaches, Recreational Aquatic Spray Grounds, Campgrounds, Agricultural Fairgrounds, Mass Gatherings • Migrant Farm Worker Housing • Temporary Residences // Mobile Home Parks • Food Protection: Food Service Establishments and Foodborne Disease Surveillance • Lead & Healthy Neighborhoods Programs: Housing Hygiene, Primary Prevention of Childhood Lead Poisoning, Healthy Neighborhoods • Environmental Response to Elevated Blood Levels <p>Course includes Staff Safety and De-Escalation training</p>						

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CEH-EH 107A.1: Indoor Tanning & Body Art Programs	Self-paced	Recorded Presentation	Steve Martin	N/A	Attend and pass quiz	
<ul style="list-style-type: none"> • Health Risks • Infection control practices associated with body art • New York State laws associated with body art • Regulations • Tanning Devices Overview • Types of body art regulated by New York State 						
CEH-EH 107A.2: Tobacco Enforcement	Self-paced	Recorded Presentation	Steven Martin Shae Varmette	N/A	Attend and pass quiz	
<ul style="list-style-type: none"> • Health Effects and Economic Impact of Smoking • NYS Tobacco Control Program • Adolescent Tobacco Use Prevention Act • NYS Clean Indoor Air Act 						
CEH-EH 108: Harmful Algae Blooms	March 31 (9:30am - 11:30am)	Live Webinar	James Hyde Liz Brower	N/A	Attend and pass quiz	
<ul style="list-style-type: none"> • Background; ecology and health risks • Recreational Water • Drinking Water 						

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CEH-EH 109: Concepts of Water Supply Protection	March 4 - 5 (9am – 4pm) Snow Dates: March 11- 12	2 days; In-class	Various presenters from the Bureau of Water Supply Protection	N/A	Attend all 2 days and pass quiz	
<p>An overview of New York’s drinking water supply program, with an emphasis on a Multiple Barrier Approach that employs technical, technological, and managerial barriers to ensure drinking water quantity, quality and to prevent contamination from source to tap.</p> <ul style="list-style-type: none"> • Recognize the water supply program mission and its major elements. • Describe the concepts of hydrology, surface & ground water characteristics and well construction essentials. • List contaminants of public health concern and approaches to limiting them in water supplies. • Identify common water treatment methods (with an emphasis on the practical application of disinfection methods). • Discuss typical causes and responses to water emergency conditions – such as boil water notices. • Provide an overview of public water system regulations, and guidance for local health departments. • Describe residential water supply, onsite wastewater treatment system and realty subdivision concepts. 						
CEH-EH 109A.1: Protection Against Legionella	Self-paced	Recorded Presentation	Matthew Morse	N/A	Attend and pass quiz	
<ul style="list-style-type: none"> • Background and rationale • General overview of final regulation • Part 4 regulatory requirements • General overview of LHD roles 						

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UACIHS-042: Exploring Cross Cultural Communication	Self-paced	Online Course	N/A	N/A	Complete by end of program	
<ul style="list-style-type: none"> • Define culture. • Identify the cultural groups you belong to. • Discuss why and how we create stereotypes. • Describe the importance of cultural competency in public health. • Give a definition of health communication. • Describe the process of communicating. • Discuss the complexity of human communication. • Describe methods of communication. 						
UACIHS-068 Practicing Cross Cultural Communication	Self-paced	Online Course	N/A	N/A	Complete by end of program	
<ul style="list-style-type: none"> • Choose and enroll in <u>one</u>: The Bamboo Dragon, Hepatitis A Outbreak, Community Health Workers, <u>or</u> Flood • Learning topics/objectives vary by Elective 						

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UACIHS: 200 Intro to EH Microbiology and Communicable Disease Control	Self-paced	Online Course	N/A	N/A	Complete prior to PH 103A	
<ul style="list-style-type: none"> Describe the basic characteristics of these live microbial groups: bacteria, fungi, protozoa, helminthes and viruses. Describe the public health significance of the five microbial groups. 						
UACIHS 206: Field Epidemiology	Self-paced	Online Course	N/A	N/A	Complete prior to PH 103B	
<ul style="list-style-type: none"> Define field epidemiology Identify the roles of professionals involved in outbreak investigations Identify the steps of outbreak investigations Utilize some of the basic techniques for data analysis 						