EHS 102

● ● ● Advanced 75 hours 5 modules · 35 lessons

Industrial Hygiene, Physical Hazards, Emergencies, Environmental Compliance & EHS Management

Health hazards, falls, trenches, lifting and traffic, fire and emergency response, plant permits and reporting, and the management system that keeps an EHS program improving.

75	5	35	1,061	105	10
HOURS OF TRAINING	MODULES	LESSONS	STUDY CARDS	SCENARIOS	3D SIMULATORS

COURSE OBJECTIVES

By the end of this course you will be able to:

1. Control biological, noise, heat and ergonomic hazards and run respiratory protection and hearing conservation programs.
2. Calculate noise dose, TWA exposures and NIOSH lifting limits, and perform a certified PPE hazard assessment.
3. Apply fall-protection triggers and clearance math, protect excavations (1926 Subpart P) and plan safe lifts and rigging.
4. Set up MUTCD temporary traffic control and manage forklift, mobile-equipment, hot-work and drowning hazards.
5. Prepare emergency action and fire prevention plans, match HAZWOPER levels to roles and work within the Incident Command System.
6. Meet VPDES, SDWA, biosolids, air, waste, SPCC, stormwater and EPCRA sampling, recordkeeping and reporting duties.
7. Investigate incidents to root cause, manage contractors and change, audit the program and track leading and lagging metrics.

WHAT YOU WILL LEARN

Industrial hygiene
Pathogens, respirators, noise, heat stress, ergonomics and exposure monitoring.

Physical hazards
Falls, trenching, rigging, work over water, traffic and mobile equipment.

Fire & emergencies
Hot work, EAP/FPP, HAZWOPER, ICS, AWIA and first aid.

Environmental compliance
VPDES, DMRs, overflows, SDWA, biosolids, SPCC and EPCRA.

Program management
Investigations, training, contractors, MOC and audits.

Metrics & improvement
TRIR, DART, leading indicators and plan-do-check-act.

MAJOR TOPICS COVERED

Module 6	Industrial Hygiene: Biological, Noise, Heat & Ergonomic Hazards	7 lessons
Module 7	Physical Hazards: Falls, Excavations, Lifting, Water & Traffic	7 lessons
Module 8	Fire Prevention, Emergency Preparedness & Response	7 lessons
Module 9	Environmental Compliance at Water & Wastewater Plants	7 lessons
Module 10	Managing EHS Programs: Investigation, Training, Contractors & Audits	7 lessons

COURSE HIGHLIGHTS

- **75 hours** of structured, self-paced instruction with active-time tracking.
- **10 interactive 3D simulators** — rotate, explode and cut away real equipment, then change the controls and watch the numbers respond.
- **105 field scenarios** with background, decision points and worked answers.
- **1,061 study cards**, 35 printable checklists and hands-on calculators.
- **Module quizzes** and a completion certificate with a verification code.

WHO IT'S FOR

Operators, maintenance supervisors, safety coordinators, compliance staff and plant managers at water and wastewater utilities.

BEFORE YOU START

EHS 101 recommended.

WHERE TO NEXT

DW 101 / WW 101 for operator licensing, or ELEC 101 for electrical safe work.

Start learning Create a free account at tryetech.com, open **Environmental Health & Safety** and begin with Module 6.