ENVIRONMENTAL TRAINING

WORKFORCE DEVELOPMENT AND COMMUNITY EDUCATION

August - December 2017

INSIDE

- State Licensing Approvals
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go.dtcc.edu/workforcedevelopment
Our Mission

The mission of the Environmental Training Center (ETC) at the Owens Campus of Delaware Technical Community College is to provide applicable classroom training and technical assistance to Delaware’s environmental and industrial workforce.

Classroom training consists of credit and non-credit programs for onsite technicians, well drillers, water and wastewater operators, professional engineers, nutrient management professionals and stormwater professionals. Included in the non-credit programs are courses that prepare operators to successfully complete the state’s rigorous licensing examination. After operators receive their licensure, the ETC provides continuing education classes and seminars.
Call **302-259-6330** to register  |  Search classes and register online at [go.dtcc.edu/workforcedevelopment](http://go.dtcc.edu/workforcedevelopment)

**Credit Courses**

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**Certification & Exam Prep Courses**

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**Online Courses**

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**Technical Training**

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Regulatory approvals listed here are for the State of Delaware only. Specific details for DE, MD, NJ, PA, and VA regulatory course approvals are listed in each course description.
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## Trades and Industrial Training

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<td>Landscape Design</td>
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ETC FEE WAIVERS

Fee waivers may be available for non-credit courses with funding derived from grant sources. Criteria is as follows:

Licensed water operators and water operators in training employed by small public water supply systems or facilities serving fewer than 35,000 connections. Funding is limited to private/public non-profit businesses in Delaware.

Funding will be distributed to qualifying students through the period of endowment or until funding is exhausted, whichever comes first.

Donor sponsored scholarships for our associate degree programs, certification preparation courses, and technical training are available.

For more information, please call 302-259-6384.
Call 302-259-6384 for tuition assistance information.

**Introduction to Environmental Science and Technology**
Provides a basic understanding of the normal ecology of the planet and the risks associated with polluting the environment. Environmental pollution and control technology topics discussed are: safe drinking water, wastewater treatment, air pollution, solid waste, and hazardous waste management. Instructor: Beth Krumrine
Approved DE Water Ops-P. Approved DE WW Ops-D. MDE Approved # 1375-96-06, 48 (1.5x)ALL. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. Approved MD lic. PE’s. NJ-07-040601-30. 48 hrs.
ENV 190 251
16 sessions, 8/21-12/9, M, 5:30-8:20pm

**Hydraulics and Hydrology**
Introduction to hydraulics for water/wastewater treatment plant operators. Includes performing basic hydraulic computations, hydraulic measurement units, pressure, head loss, flow, and pump calculations. Instructor: Steve McCabe
Approved DE Water Ops-P. Approved DE WW Ops I. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. MDE Approval #5329-13-02, 48.0 (X1.5) ALL OPERS, NP. Approved MD lic. PE’s. NJ-07-040607-30. 48 hrs.
CET 240 251
32 sessions, 8/22-12/9, T, Th, 5:30-8:20pm

**Water/Wastewater Process Design**
This course covers the engineering principles and design criteria of basic environmental control processes; coagulation/flocculation basins; clarifiers; gravity filters; activated sludge system; stabilization ponds; chemical treatment processes for disinfection, nitrate, and volatile organic compound removal; advanced wastewater treatment processes for suspended solids; phosphate and nitrate removal; carbon absorption; and various wastewater reclamation processes. Instructor: Brian Carbaugh, P.E.
Approved DE Water Ops-P. Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. Approved MD lic. PE’s. NJ-07-0414196-30. 64 hrs, 6.4 CEUs
ENV 260 251
16 sessions, 8/23-12/9, W, 5:30-9:20pm
CERTIFICATION & EXAM PREP: OWENS CAMPUS

Call 302-259-6384 for tuition assistance information.

**Base Level Water Operators Course**
This entry level course prepares students for the state certification exam. The course teaches basic water system operator responsibilities, water sources and treatment, math, pumps, disinfection, lab procedures, treatment plant operations, and safety. Textbooks are available in the campus bookstore. Instructors: Kevin Burdette and Tom Herholdt

Approved DE Water Ops-P. Approved DE Well Drillers. MDE Approval #2451-02-03, 57 (1.5x). Approved MD lic. PE’s. NJ-07-040612-10. 57 hrs, 5.7 CEUs

EYI 237 2B1 - Fee $439
19 sessions, 8/8-12/12, T, 6-9pm

**Wastewater Operator Certification Review, Level I**
Take this entry level course designed for wastewater operators or individuals interested in water quality. This course prepares students for the state exam. Students must bring textbooks the first night of class. Textbooks are available in the campus bookstore.

Instructor: Jeff Deats


EYI 200 2B1 - Fee $369
16 sessions, 8/21-12/11, M, 6-9pm

**Wastewater Operator Certification Review, Level II & III**
Take this course to prepare at a more advanced level for the state exam. Students must bring textbooks the first night of class. Textbooks are available in the campus bookstore.

Instructor: Mark Kondelis

Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. MDE Approval #1395-96-07 (1.5x) WW 1-6,S; IW 2-5. Approved MD Lic. PE’s. NJ-07-040609-20. Approved VA WWOPS. 48 hrs, 4.8 CEUs

EYI 201 2B1 - Fee $369
16 sessions, 8/24-12/14, Th, 6-9pm

**Wastewater Operator Certification Review, Level IV**
This course prepares operators for the Level IV state exam. Topics include: management, budgeting, and advanced wastewater to include odor control and industrial wastewater. Textbooks are available in the campus bookstore.

Instructor: Steve Rohm

Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. MDE Approval #1374-96-06 WW ALL; IW ALL. Approved MD Lic. PE’s. NJ-07-040610-20. Approved VA WWOPS. 42 hrs, 4.2 CEUs

EYI 235 2B1 - Fee $369
14 sessions, 9/11-12/11, M, 6-9pm

**Underground Storage Tank Operator Training**
Upon completion of this course, the student will demonstrate a broad understanding of underground storage tank systems (UST) operation, safety, regulatory and emergency procedures (EPA 40 CFR and Delaware UST regulations). Students who complete the course will receive a certificate of completion.

Instructor: Brian Churchill

6 hrs, 6 CEUs.

EYI 901 201 - Fee $199
1 session, 8/21, M, 8:30am-3:30pm

**Limited License Water Operator Certification Prep**
This is a short 16-hour course designed to prepare school, child care facility, and small NTC system employees to become certified as a State of Delaware water system operator at their facility. Textbook is available in campus bookstore. Licensure exam given in class.

Instructor: Kevin Burdette

Approved DE Water Ops-P. Approved MD lic. PE’s. NJ-07-0914204-10. 16 hrs, 1.6 CEUs

EYI 995 231 - Fee $299
5 sessions, 9/13-10/11, W, 6-9:15pm
**CERTIFICATION & EXAM PREP: OWENS CAMPUS**

**Water Operator Filtration Endorsement Course for Sand/ Greensand Filtration, Reverse Osmosis, Ion Exchange, Activated Carbon**
Intermediate level course that prepares the student for the State of Delaware Water Operator Certification Exam for filtration systems. Covers the operation of the following filtration related topics: sand filtration, diatomaceous earth, cartridge filtration, micro-filtration, ultra-filtration, reverse osmosis, greensand filters, ion exchange, activated carbon, and activated alumina. Textbooks available through ETC Lending Library and campus bookstore. Instructor: Steve Rohm

*Approved DE Water Ops-P. MDE Approval # 5712-15-04, 30.0 (x1.5), ALL WT, WD; P. Approved MD Lic. PE’s. NJ-07-040615-10. 30 hrs, 3.0 CEUs*

EYI 276 201 - Fee $339
6 sessions, 9/19-10/24, T, 9am-3pm

**Class B Designers Onsite License Preparation Course**
This course will prepare students to pass the state licensing exam for Class B Designers. The course will cover regulatory requirements regarding onsite designs to include: sitting onsite systems, design considerations, design calculations, material selection, permit requirements, and inspection requirements. Instructor: Brian Dotterer

*Approved DE WW Ops-I. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. Approved MD lic. PE’s. NJ-07-0916243-20. 3 hrs, .3 CEUs*

EYI 254 231 - Fee $95
1 session, 9/26, T, 5:30-8:30pm

**Lead Safety for RRP Refresher**
The RRP refresher course follows the EPA “Model Certified Renovator Refresher Training Course, and meets the Delaware Dept. Of Health and Social Services, Division of Public Health 16 Delaware Code, Section 122(3)(t)(1) requirement for refresher training. Participants will review: rules and regulations, testing for lead-based paint, review of setup practices, prohibited practices, personal protective equipment and dust control, cleaning activities and quality control, recordkeeping, and how to train non-certified workers on your crew. Students must pass a test at the end of the course to receive certification. Instructor: Scott Smith

*4 hrs., .4 CEU’s*

EYI 816 202 - Fee $165
1 session, 9/30, S, 8:30am-12:30pm

**Class F Wastehaulers Onsite License Preparation Course**
This course will prepare students to pass the state licensing exam for Class F wastehaulers. The course will cover the following: regulatory requirements regarding pumping of septic tanks, lift stations, and grease traps; insurance needs; truck identification markings; liquid transporters permit; repairs/replacement of risers, baffles, and lids; and more. Instructor: Brian Dotterer

*Approved DE WW Ops-I. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. Approved MD lic. PE’s. NJ-07-0916244-20. 3 hrs, .3 CEUs*

EYI 255 231 - Fee $95
1 session, 10/18, W, 5:30-8:30pm

**Water Operator Disinfection Endorsement Course**
Intermediate level course that prepares the student for the State of Delaware Water Operator Certification Examination regarding disinfection systems. Topics: chlorine gas, hypochlorination, chloramines, ozone, chlorine dioxide, UV, bromine, iodine, and regulations. Textbooks available through ETC Lending Library. Instructor: James Craig

*Approved DE Water Ops-P. MDE Approval # 5713-15-04, 30.0 (x1.5), ALL WT, WD; P. Approved MD Lic. PE’s. NJ-07-040617-10. 30 hrs, 3.0 CEUs*

EYI 527 201 - Fee $339
6 sessions, 10/25-11/29, W, 9am-3pm
CERTIFICATION & EXAM PREP: OWENS CAMPUS

Lead Safety for Renovation, Repair and Painting
This course is required by USEPA for contractors, property managers, and others who disturb known or presumed lead-based paint during renovation. Training covers the following topics and procedures necessary to comply for USEPA certification: test for lead-based painting, set up safely, self-protection, minimize dust, control waste, confirm work completion with cleaning verification procedure or clearance.
Instructor: Scott Smith
Approved MD Lic. PE’s. Approved MD Env. Health Spec. 8 hrs, .8 CEUs
EYI 906 201 - Fee $315
1 session, 10/28, S, 8am-5pm

Class E System Contractor (Installer) Onsite License Preparation Course
This course will prepare students to pass the state licensing exam for Class E system contractors (installers). The course will cover regulatory requirements regarding onsite system installation including: contractor levels and licensing requirements, siting onsite systems, design considerations, installation requirements, material selection, permit requirements, paperwork requirements, and inspection requirements.
Instructor: Brian Dotterer
Approved DE WW Ops-I. Approved DE Onsite Lic. A,B,C,E,F,H,I. Approved MD lic. PE’s. NJ-07-0217247-20. 3 hrs, .3 CEUs
EYI 271 231 - Fee $85
1 session, 11/15, W, 5-8pm
ONLINE TECHNICAL TRAINING: OWENS CAMPUS

The online format provides the same technical theories and skills given in the classroom, providing course completion at your own pace.

Enrollment is accepted any time during the semester.

Basic Electricity Online Course **NEW**
This self-paced online course covers electricity basics crucial to multiple fields. These topics include basic AC and DC electrical theory and circuits, safety practices and regulations, and an introduction to common electrical instrumentation applications and usage.
Instructors: Shelley Grabel and Bill Hudran
EYI 264 2B1 - Fee $175
Self-paced, accepting enrollment 10/2 – 12/4

Job Hazard Analysis Online Course **NEW**
This self-paced course provides basic guidelines for performing a job hazard analysis (JHA) in a variety of industrial workplaces. Based on industry best practices and OSHA guidelines, this course offers insights into why a JHA is a critical part of any safety program. From identifying common workplace hazards to accepted means of hazard control, this course provides the fundamental elements critical to establishing safe work habits for yourself and your team. Instructor: Shelley Grabel
Approved DE Water Ops-P. Approved DE WW Ops-I. Approved DE Onsite Lic. A,B,C,E,F,H,I. MDE Approval Pending. Approved MD lic. PE’s. NJ-07-0217245-30. 8 hrs, .8 CEUs
EYI 267 2B1 - Fee $175
Self-paced, accepting enrollment 10/2 – 12/4

Chlorination Technology Online Course
This course provides students with the principles of chlorination. This self-paced course will provide an overview of various disinfection technologies and discuss the main types of chlorine application systems.
Instructor: Hilary Valentine
Approved DE Water Ops-P. Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. Approved DE Well Drillers, .4 CEUs. MDE Approval #5449-13-11, 8, All OPERS, P. Approved MD Well Drillers. Approved MD lic. PE’s. NJ-07-0313162-30. 8 hrs, .8 CEUs
EYI 946 2B1 - Fee $175
Self-paced, accepting enrollment 10/2 – 12/4

Creating a Successful Asset Management Program Online Course
This self-paced course will educate and empower participants with the necessary skills and knowledge to successfully develop and/or continue effective management of their own asset management programs, with emphasis placed on both basic and advanced asset management principles and best management practices.
Instructor: Hilary Valentine
Approved DE Water Ops-NP. Approved DE WW Ops-D. MDE Approval Pending. Approved MD Lic. PE’s. NJ-07-0916240-30. 8 hrs, .8 CEUs
EYI 945 2B1 - Fee $175
Self-paced, accepting enrollment 10/2 – 12/4

Onsite Regulations Revision Review Online Course
This self-paced online class will provide a review of the recently amended Regulations Governing the Design, Operation and Installation of On-Site Wastewater Treatment and Disposal Systems. Students will learn all major changes that have been adopted into the Regulations and how their licenses will be impacted by them. Implementation timelines for all changes will be reviewed.
Instructor: Hilary Valentine
Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. Approved MD Lic. PE’s. NJ-07-0315219-20. 4 hrs, .4 CEUs
EYI 804 2B1 - Fee $95
Self-paced, accepting enrollment 10/2 – 12/4
Surface Water Treatment Online Course
This course will examine the elements, processes, controls, and troubleshooting of the major components of a typical surface water treatment plant. Both conventional and alternative treatments will be explored. This self-paced course will provide instruction and practice in solving typical operational and mathematical problems associated with these treatment functions. Instructor: Shelley Grabel
Approved DE Water Ops-P. Approved DE WW Ops-I. MDE Approval #5414-13-06, 8.0 (1.5x), ALL WT OPERS, P. Approved MD Lic. PE’s. NJ-07-0912142-30. 8 hrs, .8 CEUs
EYI 935 2B1 - Fee $175
Self-paced, accepting enrollment 10/2 – 12/4

Underground Storage Tank Operator Training Online
Upon completion of this online interactive course, the student will demonstrate a broad understanding of underground storage tank systems (UST) operation, safety, regulatory, and emergency procedures (EPA 40 CFR and Del UST regulations). Students will be able to identify components of UST systems, explain methods of inspection, required recordkeeping, financial responsibility, and basic spill prevention methods. Students who complete the course will receive a certificate of completion for .6 CEUs. Instructor: Staff
6 hrs, .6 CEUs
EYI 277 2B1 - Fee $199
Self-paced, accepting enrollment 10/2 – 12/4

Valves Online Course
This self-paced course is designed to give to provide basic knowledge necessary to identify and maintain many of the valves used in a water distribution system. Topics include: various valve types, valve uses, proper valve operation methods, basic valve maintenance, troubleshooting, and proper installation techniques. Instructor: Hilary Valentine
Approved DE Water Ops-P. Approved DE WW Ops-D. DE Onsite Lic. pending. MDE Approval Pending. Approved MD lic. PE’s. NJ-07-0217246-30. 8 hrs, .8 CEUs
EYI 269 2B1 - Fee $175
Self-paced, accepting enrollment 10/2 – 12/4

Interested in water, wastewater, well or onsite courses?
A chart that lists each of our course offerings is included on pages 2-4.

- Chart includes courses offered during the current semester on all Delaware Tech campuses.
- Regulatory approvals listed here are for the State of Delaware only.
- Specific details for DE, MD, and NJ regulatory course approvals are listed with each course description.

For VA regulatory approvals, contact Hilary Valentine at 302-259-6384.
Class I Inspector’s Preparation Course
This course will identify the proper procedures necessary to perform a complete and thorough inspection of Class B designed onsite wastewater treatment and disposal systems. The class will cover both open trench and capping fill inspections. It will cover what is required under the regulations specifically pertaining to inspection reports, as-built, and other paperwork due to the department from the licensee. Clarification of the gray areas that may arise during the course of an inspection will also be covered. This class is a pre-requisite for taking the Class I licensing exam.
Instructor: James Cassidy
Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. Approved MD lic. PE’s. NJ-07-0914200-20. 7 hrs, .7 CEUs
EYI 991 201 - Fee $199
1 session, 9/7, Th, 8:30am-4:30pm

Intro to Environmental Regulations
This course is perfect for organizations with new or changing environmental programs, procedures, management initiatives, and for those that simply wish to improve staff compliance with environmental directives. This short course presents concepts in simple terms, with an emphasis on developing an understanding of the challenge of environmental compliance and the need for full implementation of procedures and protocols at all levels. Organizations complete a simple form in advance, and the course is adapted accordingly to include relevant topics and current organization references, information, and points of contact. Topics include: air permitting requirements, hazardous waste requirements, NPDES Permits, EPCRA reporting, and much more. Instructor: Amber Moore
Approved DE Water Ops-P. Approved DE WW Ops-I. Approved DE Nutrient Mgmt Program, 1.25 CEC’s. MDE Approval #5656-15-03, 7.0, ALL, NP. Approved MD lic. PE’s. Approved MD Env. Health Spec. NJ-07-0414189-20. 7 hrs, .7 CEUs
EYI 976 201 - Fee $175
1 session, 9/8, T, 8:30am-4:30pm

Introduction to Industrial Pretreatment Program
This one-day course is designed to teach attendees the key aspects of an Industrial Pretreatment Program. The course describes existing requirements with respect to industrial dischargers and publicly owned treatment works (POTW) under the Clean Water Act (CWA) and its implementing regulations. The course will cover the need for the program, an overview of the national pretreatment program, its standards, and POTW and Industrial User’s responsibilities under the program.
Instructor: Ann Hobbs, CET
Approved DE WW Ops-D. MDE Approval #5504-14-03. 7.0, All, NP. Approved MD Lic. PE’s. NJ-07-0913180-20. 7 hrs, .7 CEUs
EYI 965 201 - Fee $175
1 session, 9/12, T, 8:30am-4:30pm

21st Century Ultra Violet Disinfection
Investigate the latest UV disinfection techniques and applications for both potable water and wastewater. Explore the advantages of UV systems compared to typical chemical disinfection systems like chlorine or ozone. Learn why the latest research suggests low-dose UV may be very effective at controlling giardia and cryptosporidium in potable waters, define and examine what UV is, how it differs from other typical disinfection systems, and understand the disadvantages.
Instructor: Mike Harrington, CET
Approved DE Water Ops-P. Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. MDE Approval #3889-06-11, 7 (1.5x) ALL, P. Approved MD Lic. PE’s. PADEP#3587. NJ-07-050794-30. 7 hrs, .7 CEUs
EYI 560 201 - Fee $175
1 session, 9/13, W, 8:30am-4:30pm
Water/Wastewater Facilities Emergency Preparedness and Disaster Recovery

Our communities depend on efficient treatment plant operations at all times. This lecture and problem solving workshop is designed for facility and community emergency support personnel who need to gain a better understanding of the importance of timely water and wastewater facility disaster recovery. Hazards that threaten plant personnel, operations, the environment, and property will be identified. Relevant information regarding facility recovery will be shared in an effort to prevent a negative impact on human health and our environment. Instructor: Carmine Castorina

Approved DE Water Ops-P. DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. MDE Approval #5922-16-05, 7.0, ALL; SUPERS, NP. Approved MD Lic. PE’s. NJ-07-0915227-31. 7 hrs, .7 CEUs

EYI 214 201 - Fee $175
1 session, 9/14, Th, 8:30am-4:30pm

Using Mobile GIS to Optimize Data Collection

This seminar focuses on field data collection using mobile apps for ArcGIS. You can use the ArcGIS app on android or IOS(apple) devices. This class focuses primarily on utilizing this entity to collect data while offline and in the field. This class also walks field agents through the process of downloading the app, preparing the data and demonstrates how to create new features as well as updating existing ones. Finally, users will simulate synchronizing those changes to the enterprise environment. Instructor: Megan Nehrbas

Approved DE Water Ops-NP. DE WW Ops-I. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. Approved MD lic. PE’s. NJ-07-0915226-30. 7 hrs, .7 CEUs

EYI 229 201 - Fee $175
1 session, 9/15, F, 8:30am-4:30pm

Lift Stations

This course provides an overview of the day-to-day operations and maintenance of lift stations. Lift station operating principles, components, basic troubleshooting, and routine preventive maintenance will be discussed. Instructor: Ken Cross

Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. MDE Approval #5297-12-10, 7.0 (x1.5) ALL WW; WC OPERATORS, NP. Approved MD Lic. PE’s. PADEP #2035. NJ-07-040673-20. Approved VA WWOPS. 7 hrs, .7 CEUs

EYI 234 201 - Fee $175
1 session, 9/19, T, 8:30am-4:30pm

Pump Hydraulics

Vital to anyone who must operate, maintain and troubleshoot water and wastewater pumping systems. Students will acquire a basic understanding of the hydraulic principles related to centrifugal pumps. Topics: hydraulic formulas and volumetric calculations, and the hydraulic forces that exist in a pumping system. Bring a scientific calculator. Instructor: Staff.

Approved DE Water Ops-P. Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. Approved DE Well Drillers. 4.0 hrs. MDE Approval #4197-08-04, 7 (1.5x) ALL. Approved MD Well Drillers. Approved MD Lic. PE’s. PADEP #1932. NJ-07-040684-30. Approved VA WWOPS. 7 hrs, .7 CEUs

EYI 538 201 - Fee $175
1 session, 9/20, W, 8:30am-4:30pm

Basic Onsite Installer Training

This course is designed to focus on the procedures and practices for safety, installation, maintenance of onsite systems. Some of the topics covered include: planning, soils and site work, system components, materials, and installation. Instructor: Brian Dotterer

Approved DE WW Ops-I. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. Approved MD Env. Health Spec. Approved MD lic. PE’s. NJ-07-0315224-20. 7 hrs, .7 CEUs

EYI 812 201 - Fee $175
1 session, 9/22, F, 8:30am-4:30pm
TECHNICAL TRAINING: OWENS CAMPUS

**Call 302-259-6330 to register** | **Search classes and register online at go.dtcc.edu/workforcedevelopment**

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**Water Treatment & Chlorine Safety**

Examines various water treatment plant processes, chemicals used, and the basic principles of plant operations. In-depth examination of the disinfection process, including the various forms of chlorine utilized in the water treatment field. Topics include: jar testing, chlorine analysis, chemicals used in the treatment process, safe handling of chlorine, and the safety features built into cylinders and feed equipment. Instructor: Sheila Shannon

Approved DE Water Ops-P. Approved DE onsite lic. C. MDE Approval #5283-12-10, 7.0 (x1.5) ALL WT; WD OPERS, P. PADEP #2026. Approved MD Env. Health Spec. NJ-07-040658-30. 7 hrs, .7 CEUs

EYI 260 201 - Fee $175
1 session, 9/26, T, 8:30am-4:30pm

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**OSHA Injury and Illness Recordkeeping**

This course is designed to help employers, safety personnel, and record keepers to understand their regulatory responsibility and obligation to report and record work-related fatalities, injuries, and illnesses. Employers having had more than 10 employees at any time during the last calendar year must maintain OSHA injury and illness records unless classified as a partially exempt industry under the Occupational Safety and Health Administration (OSHA) 29 CFR 1904.2. Participants will receive comprehensive training regarding the recordkeeping standard and how it is applied when using the OSHA 300 Log of Work-Related Injuries and Illnesses, 300-A Summary of Work-Related Injuries and Illnesses, and 301 Injury and Illness Incident Report forms. Instructor: Carmine Castorina

Approved DE Water Ops-NP. Approved DE WW Ops-I. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. MDE Approval # 5695-15-04, 6.5 (x1.5), ALL; NP. Approved MD Lic. PE’s. NJ-07-0914207-31. 8 hrs, .8 CEUs

EYI 997 201 - Fee $179
1 session, 9/27, W, 8:30am-5pm

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*Water Treatment & Chlorine Safety with Instructor Sheila Shannon*
Basic Surveying Principles
Learn basic surveying principles and skills utilized in the field including classroom instruction combined with field application of land surveying techniques. Lessons include pacing, leveling, topographic surveying, grade staking, and basic surveying calculations.
Instructor: Jeff Reed, PE
Approved DE Water Ops-NP. Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. Approved MD Lic. PE’s. NJ-07-0313167-30. 7 hrs, .7 CEUs
EYI 943 201 - Fee $175
1 session, 9/28, Th, 8:30am-4:30pm

Collection System Impacts on Treatment Plant Operations
This course provides students with information on how collection system design, installation, and maintenance may impact the wastewater treatment plant performance. Topics discussed include: I and I issues, detention times, pH changes, odor control, maintenance activities, and velocity changes. Instructor: Tom Herholdt
Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. MDE Approval #5652-15-03, 7.0, ALL, IWW; WW/C, NP. Approved MD lic. PE’s. Approved MD Env. Health Spec. NJ-07-0414194-20. 7 hrs, .7 CEUs
EYI 974 201 - Fee $175
1 session, 9/29, F, 8:30am-4:30pm

Integrating Water Resources in Resource Based Environmental Designs
This course will focus on integration of water resource constraints in environmental resource based using a holistic approach.
Instructor: Jennifer Walls
Approved DE Water Ops-NP. DE WW Ops-I. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. Approved MD Lic. PE’s. NJ-070915231-30. 4 hrs, .4 CEUs
EYI 241 201 - Fee $95
1 session, 10/3, T, 8:30am-12:30pm

Chlorination Disinfection Science
Review the dosing technology for basic forms of chlorine disinfection while evaluating the pros and cons of each. Learn why switching from a gas-based chlorination process may not be advantageous or cost effective when real costs are examined. Discover why current hypochlorite users don’t routinely measure product strength. Examine hypochlorite strength and residual testing methods. Find out why onsite generation systems may be appropriate and cost effective. Look at simple ways to minimize disinfection byproducts. Using superb computer visuals, expert commentary, demonstrations, and case histories, the operator will leave with answers to these questions and more. Instructor: Mike Harrington, CET
Approved DE Water Ops-P. Approved DE WW Ops-D. Approved DE Onsite Lic. C,E,H. MDE Approval #4684-09-11, 7 (1.5x) ALL, P. PADEP #2023. Approved MD Env. Health Spec. Approved MD lic. PE’s. NJ-07-040679-30. Approved VA WWOPS. 7 hrs, .7 CEUs
EYI 530 201 - Fee $175
1 session, 10/3, T, 8:30am-4:30pm
Aggregate Free Alternatives for Onsite Disposal Systems

The course will provide students with an understanding of the physical properties of the conventional stone (aggregate) system and compare them to the various types of aggregate free alternatives. Students will gain an understanding of the regulatory, construction and operational requirements when considering their use. Aggregate free alternatives such as chambers, tire chips, graveless pipe, and assorted media will be discussed.

Instructor: James Cassidy

Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. MDE Approval #5455-13-11, 4, WW6 OPERS, NP. Approved MD Lic. PE’s. Approved MD Env. Health Spec. NJ-07-0313168-20. 4 hrs, .4 CEUs

EYI 940 201 - Fee $85
1 session, 10/4,W, 8:30am-12:30pm

Evaluating Water System Processes to Eliminate Sanitary Risks

Water system supervisory and operating staff must have a thorough understanding of all processes that comprise their water system including the treatment, storage and distribution system processes. Building on that knowledge, this course will focus on the elimination of sanitary risks in each process to insure the delivery of safe drinking water to the consumer. Conducting this evaluation will not only eliminate potential threats to water quality, but will also prepare water staff for sanitary survey inspections conducted by state and federal inspectors. Instructor: Steve Rohm

Approved DE Water Ops-P. MDE Approval #5277-12-10, 7.0 (x1.5) ALL WT; WD OPERS, NP. Approved MD Lic. PE’s. NJ-07-0912154-10. 7 hrs, .7 CEUs

EYI 599 201 - Fee $175
1 session, 10/5, Th, 8:30am-4:30pm

FAQ’s of Class H Inspections

This course is designed to fine tune the Professional Class H Inspectors’ skills. Students will explore the “gray areas” that are not directly addressed within the regulations as well as help the Class H Inspector make more informed decisions on the subtle and not so subtle differences between unsatisfactory, satisfactory with concerns, and satisfactory findings.

Instructor: Jim Cassidy

Approved DE WW Ops-D. Approved DE Onsite lic. A,B,C,D,E,F,H,I. Approved MD lic. PE’s. NJ-07-0315220-20. 4 hrs, .4 CEUs

EYI 809 201 - Fee $95
1 session, 10/4,W, 1-5pm

Generators, Engines and Emergency Power

The course gives the student a working knowledge of generators and emergency power used in industrial plants. Topics include: standby and emergency generation theory of operation, prime movers, AC generator control, operation and protection, generator loading, and basic troubleshooting and maintenance, as well as discussion of real world problems with standby and emergency power systems, and methods of troubleshooting and repairing of these problems. Instructor: Sam Allen

Approved DE Water Ops-P. Approved DE WW Ops-D. MDE Approval #5243-12-09, 7.0 (x1.5) ALL OPERS, NP. Approved MD Lic. PE’s. NJ-07-0912151-30. 7 hrs, .7 CEUs

EYI 928 201 - Fee $175
1 session, 10/6, F, 8:30am-4:30pm
Basic Electricity for Operators
Covers electrical subjects including: fundamentals of electric motors, amperage, theory/measurement, continuity, basic circuits, hands-on electrical tests, connections and more. Instructor: Bill Hudran
EYI 205 201 - Fee $175
1 session, 10/9, M, 8:30am-4:30pm

Troubleshooting Pumps
Designed for operations/maintenance personnel, this course teaches the fundamental techniques of troubleshooting various pumps. Simple, effective tests for assessment of pump operational efficiencies and life expectancy will be included. Instructor: Ken Cross
Approved DE Water Ops-P. Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. MDE Approval #5273-12-10, ALL, 7.0 (x1.5) ALL OPERS, NP. Approved DE Well Drillers, 4.0 hrs. Approved MD Well Drillers. PADEP #688. NJ-07-040668-30. Approved VA WWOPS. 7 hrs, .7 CEUs
EYI 230 201 - Fee $175
1 session, 10/10, T, 8:30am-4:30pm

DOT Regulations Review for Water and Wastewater
Professionals Review federal motor carrier safety regulations; emphasis on Department of Transportation (DOT) out of-service criteria. Instructor: Lee Derrickson
Approved DE WW Ops-I. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. Approved MD Lic. PE's. Limit 25 students. 3 hrs, .3 CEUs
EYI 575 231 - Fee $85
1 session, 10/11, W, 6-9pm

Attention Training Professionals
The ETC is searching for new trainers to join our expanding team. Become part of our highly respected team, and share your knowledge with others in this industry.
Please contact Hilary Valentine at 302-259-6384 if interested.
Do You Know Your NPDES Permit/Preparing For Compliance Inspections
This course focuses on knowing and understanding your facility’s National Pollutant Discharge Elimination System Permit. Specific and accurate knowledge of the NPDES Permit is necessary to ensure compliance. In addition to the effluent limitations, this course will cover all of the many specific requirements, limitations, reports, operating procedures, test methods, sampling procedures, etc., that are found in most NPDES permits. Are you prepared for your annual Compliance Audit and Inspection? This course will help the NPDES Permittee to prepare for a compliance audit and inspection by reviewing specific information that will be requested, inspection techniques employed, necessary documentation (and what is acceptable documentation), required reports, and all data/records that may be requested for review. Instructor: Nicole Smith
Approved DE WW Ops-D. MDE Approval Pending. Approved MD lic. PE’s. NJ-07-0413179-20. 7 hrs, .7 CEUs
EYI 948 201 - Fee $175
1 session, 10/11, W, 8:30am-4:30pm

Intermediate Surveying
This course is designed to expand the principles learned in the basic surveying course. Students will learn distance measuring, stationing, setting stakes, establishing grades, differential leveling, and field book reporting. The principles learned in the classroom will then be applied in the field exercise. The course will be 50% classroom and 50% field exercise.
Instructor: Jeff Reed, PE
Approved DE Water Ops-P. Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. Approved MD Lic. PE’s. NJ-07-0913183-30. 7 hrs, .7 CEUs
EYI 964 201 - Fee $175
1 session, 10/12, Th, 8:30am-4:30pm

Well Construction Techniques
This course provides training for entry-level drillers, apprentices, or water service personnel on well construction and sanitary principles. Topics include: potable water supplies, well components, well construction methods, disinfection practices, and unconsolidated formations. Instructor: Eric Sackett
Approved DE Water Ops-P. Approved DE Well Drillers, 4.0 hrs. Approved MD Well Drillers. Approved MD lic. PE’s. NJ-07-040628-10. 4 hrs, .4 CEUs
EYI 257 201 - Fee $95
1 session, 10/13, F, 8:30am-12:30pm

Well Grouting Fundamentals
Students will learn basic grouting fundamentals pertinent during the installation of wells. Topics include: grout types, application, mixing, placement, and calculating yield mixtures. Students are advised to wear work clothing; grout used in practical exercises.
Instructor: Eric Sackett
Approved DE Water Ops-P. Approved DE Well Drillers, 4.0 hrs. Approved MD Well Drillers. Approved MD lic. PE’s. NJ-07-0912153-10. 4 hrs, .4 CEUs
EYI 220 201 - Fee $95
1 session, 10/13, F, 1-5pm
**Industrial Waste (Sludge) Treatment**

This class will examine industrial waste treatment, from the origin of the waste to its eventual discharge. The term “industrial waste” encompasses many different manufacturing processes, including breweries and animal slaughtering processes. Industrial waste treatment has its own set of unique conditions and regulations that normal domestic and publicly owned treatment plants may not have to be concerned with. Emphasis will be placed on the National Pretreatment Program, pollution prevention, and safety considerations. This class will focus on waste treatment issues and companies local to the Delmarva Peninsula and Southern Pennsylvania. There will be an emphasis on discussion and the sharing of experiences in this field by the class participants. Instructor: Ann Hobbs, CET

**Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. MDE Approval Pending. Approved MD Lic. PE’s. NJ-07-0915230-20. 7 hrs, .7 CEUs**

EYI 240 201 - Fee $175
1 session, 10/17, T, 8:30am-4:30pm

**Valves**

This class is designed to give distribution system operators the basic knowledge necessary to identify and maintain many of the valves used in a water distribution system. Topics include: different types of distribution system valves and their uses, proper valve operation methods, basic valve maintenance, troubleshooting and proper installation techniques. Instructor: James Craig

**Approved DE Water Ops-P. Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. MDE Approval #2188-00-10, ALL, NP (1.5x). PADEP #689. Approved MD lic. PE’s. Approved MD Env. Health Spec. NJ-07-040638-30. Approved VA WWOPS. 7 hrs, .7 CEUs**

EYI 245 201 - Fee $175
1 session, 10/18, W, 8:30am-4:30pm

**US DOT HAZMAT General Awareness Training**

This class will satisfy the training requirements of US DOT listed in 49 CFR 172 Subpart H. Topics include: security and safety awareness; using the HAZMAT table; labeling; marking; placarding; packaging and shipping papers. Instructor: Shaun Gilday

**Approved MD Lic. PE’s. 8 hrs, .8 CEUs. DE Water and WW OPS Approval Pending.**

EYI 291 201 - Fee $199
1 session, 10/19, Th, 8:30am-5:00pm

**Setting and Maintaining Chemical Feed Systems**

This class will thoroughly examine the different components of a chemical feed system and overall system operation. Topics include: system function, component identification, feed system set up, troubleshooting, and maintenance. Instructor: Mike Funk

**Approved DE Water Ops-P. MDE Approval #5655-15-03, 7.0, ALL, P. Approved MD Lic. PE’s. NJ-07-0914201-10. 7 hrs, .7 CEUs**

EYI 998 201 - Fee $175
1 session, 10/20, F, 8:30am-5:00pm
Watershed Management Plans: Analyzing Implementation and Reporting Requirements
This course will focus on providing students with an understanding of watershed management planning and analysis involved in developing plans. Also discussed is how implementation of those plans is reported by various sectors. Instructor: Jennifer Walls
Approved DE Water Ops-NP. Approved DE WW Ops-I. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. MDE Approval #5921-16-05, 4.0, ALL WW; WC OPERATORS, NP. Approved MD Lic. PE’s. NJ-070915232-20. 4 hrs, .4 CEUs
EYI 224 201 - Fee $95
1 session, 10/20, F, 8:30am-12:30pm

Innovative and Alternative Onsite Systems
This course focuses on the application and use of technologically advanced onsite systems to save space and enhance ground water protection. The class will provide students with an understanding of how innovative and alternative systems are sited, as well as include an overview of the basic treatment and delivery processes of various aerobic treatment units, media filters, and drip dispersal systems. Instructors: Brian Dotterer and Hilary Valentine
Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. MDE Approval #5336-13-02, ALL WW; IWW OPERERS, NP . Approved MD Lic. PE’s. Approved MD Env. Health Spec. NJ-07-0912143-20. 7 hrs, .7 CEUs
EYI 576 201 - Fee $175
1 session, 10/26, Th, 8:30am-4:30pm

Collection System Troubleshooting
Review the techniques used to identify and repair the collection system defects that can result in sanitary sewer overflows (SSOs). Topics include: CMOM requirements, asset management, collection system cleaning and maintenance, flow monitoring, manhole inspections, smoke testing, building inspection, TV inspection, and rehabilitation techniques. Instructor: John Lynn
Approved DE WW Ops-I. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. MDE Approval #5280-12-10, 7.0 (x1.5) ALL WW; IWW; WC OPERATORS, NP. Approved MD Lic. PE’s. Approved MD Env. Health Spec. PADEP #1941. NJ-07-040686-20. Approved VA WWOPS. 7 hrs, .7 CEUs
EYI 204 201 - Fee $175
1 session, 10/27, F, 8:30am-4:30pm

21st Century Drinking Water Corrosion Control
Superb visuals and interactive lecture to define potable water corrosion and the benefit of corrosion indexes. Examine water quality issues (pH, temperature, hardness, alkalinity, TDS) and learn about effective corrosion control. Integrating issues like disinfection, distribution piping, flushing schedules, coupon studies and electricity grounding can play a major role in corrosion control. Instructor: Mike Harrington, CET
Approved DE Water Ops-P. MDE Approval #2720-03-03, 7 (1.5x) WT ALL; WD, P.Approved DE Well Drillers, 3 CEUs. Approved MD Lic. PE’s. Approved MD Env. Health Spec. PADEP #1937. NJ-07-040630-10. Approved VA WWOPS. 7 hrs, .7 CEUs
EYI 274 201 - Fee $175
1 session, 10/31, T, 8:30am-4:30pm
Watersheds and Their Impact on the Environment
A watershed is an area of land that drains all precipitation, run-off and smaller bodies of water to a common catchment area such as a reservoir, bay, river, or even groundwater. Watersheds are a highly evolved series of processes that convey, store, distribute, and filter the water that sustains terrestrial and aquatic life. This class will explore the science of watersheds, take a look at some major watersheds in Delmarva, and examine common impairments to watersheds. TMDL’s and best management practices for watersheds will be explained, and students will explore how recent developments in the Clean Water Act drive local and regional regulations, with a major emphasis on wastewater discharge, both point and non-point sources.
Instructor: Ann Hobbs, CET
Approved DE WW Ops-I. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. Approved DE Nutrient Mgmt Program, 3.5 CEC’s. Approved MD lic. PE’s. Approved MD Env. Health Spec. NJ-07-0414184-20. 4 hrs, .4 CEUs
EYI 987 201 - Fee $95
1 session, 10/31, T, 8:30am-12:30pm

Maintenance of Spray Irrigation Systems
This course will identify the maintenance required for different types of wastewater irrigation equipment. Topics include: types of irrigation equipment, suppliers, maintenance items, and providers. Instructor: Sam Schlegel
Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. Approved MD lic. PE’s. NJ-07-0217249-20. 4 hrs, .4 CEUs
EYI 281 201 - Fee $95
1 sessions, 11/1, W, 8:30am-12:30pm

Project Management Basics
This course will provide tools, tricks, and techniques for effective and efficient project management by focusing on the triple constraints of a project: scope, schedule, and cost. Instructor: Shaun Gilday
Approved DE WW Ops pending. Approved DE WW Ops-I. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. Approved MD lic. PE’s. NJ-07-0217251-30. 7 hrs, .7 CEUs
EYI 273 201 - Fee $175
1 session, 11/2, Th 8:30am-4:30pm

Managing Side Stream Discharges
Examine the many routine recycle waste streams within a treatment facility, which increase both flow and loading to the treatment units and may negatively impact their performance efficiency. Focus on identification and corrective action plans. Instructor: Steve Rohm
Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. MDE Approval #5266-12-10, 6.0, ALL OPERS, NP. Approved MD Lic. PE’s. NJ-07-040640-20. Approved VA WWOPS. 4 hrs, .4 CEUs
EYI 505 201 - Fee $95
1 session, 11/2, Th, 8:30am-12:30pm
Class I Inspector’s Preparation Course
This course will identify the proper procedures necessary to perform a complete and thorough inspection of Class B designed onsite wastewater treatment and disposal systems. The class will cover both open trench and capping fill inspections. It will cover what is required under the regulations specifically pertaining to inspection reports, as-built and other paperwork due to the department from the licensee. Clarification of the gray areas that may arise during the course of an inspection will also be covered. This class is a pre-requisite for taking the Class I licensing exam.
Instructor: James Cassidy
Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. Approved MD lic. PE’s. NJ-07-0914200-20. 7 hrs, .7 CEUs
EYI 991 202 - Fee $199
1 session, 11/3, F, 8:30am-4:30pm

Managing Hazardous and Universal Wastes
Companies that generate, transport, treat, store, or dispose of hazardous waste must comply with the Resource Conservation and Recovery Act (RCRA) hazardous waste regulations. The US EPA requires annual training for facility personnel. RCRA dictates stringent requirements for generating, storing, treating, and disposing of hazardous waste. Fines for non-compliance are up to $37,500 per day per violation. Instructor: Amber Moore
Approved DE Water Ops-P. Approved DE WW Ops-I. MDE Approval #5830-15-11, 7.0, ALL OPERS, SUPERS, NP. Approved MD Env. Health Spec. Approved MD lic. PE’s. NJ-07-0315218-30. 7 hrs, .7 CEUs
EYI 813 201 - Fee $175
1 session, 11/7, T, 8:30am-4:30pm

Five Common Sense Practices for Better Water/Wastewater Operations
A look at commonly misunderstood key elements to achieve a well-run operation. Explore the two most important measurement parameters an operator can make but which often take a back-seat in importance. Understand why their key role can lead to a better process. Investigate the three key operational practices often ignored in the chemical feed process. See why/how to verify every chemical delivery; learn key advantages of using the weakest strength of a chemical that is practical. Instructor: Mike Harrington, CET
Approved DE Water Ops-P. Approved DE WW Ops-D. Approved DE onsite lic. A,B,C,D,E,F,H,I. MDE Approval #4685-09-11, 7 (1.5x) ALL, P. Approved MD Env. Health Spec. Approved MD lic. PE’s. NJ-07-1009706-30. 7 hrs, .7 CEUs
EYI 591 201 - Fee $175
1 session, 11/3, F, 8:30am-4:30pm

Pumping of Advanced Treatment Units
This course is designed to teach students the basic operating principles of septic tank treatment systems, as well as advanced nitrogen reducing technologies. The course will also train those in the septic hauling business how to pump various technologies without having to rely on having the service provider or manufacturer’s representative present. Students will leave knowing how a properly operated system benefits our environment, as well as how to offer a more cost effective service to ensure environmentally conscious practices. Instructor: Gerry Desmond
Approved DE WW Ops-D. Approved DE onsite lic. A,B,C,D,E,F,H,I. MDE Approval #5711-15-04, ALL, NP. Approved MD Env. Health Spec. NJ-07-0414187-20. 4 hrs, .4 CEUs
EYI 985 231 - Fee $95
1 session, 11/8, W, 5-9pm
Principles of Ion Exchange

Basic chemistry principles will be examined in order to bring the student up to the point that the chemical-electro charge involved in ion exchange units is understandable. Commonly used ion exchange technologies will be demonstrated. Students will use test kits to analyze reagents treated through ion exchange columns to evaluate the effectiveness of the exchange process. Instructor: Steve Rohm

Approved DE Water Ops-P. MDE Approval #5826-15-11, ALL WT, P. Approved MD Lic. PE’s. Approved MD Env. Health Spec. NJ-07-0315213-10. 6 hrs. .6 CEUs

EYI 808 201 - Fee $149
1 session, 11/9, Th, 9am-4pm

Soils-Based Approach to Siting Wastewater Disposal

Understand how soil physical properties impact the siting of onsite wastewater disposal in Delaware. Emphasis will be placed on site evaluation process: how to review/understand reports and the application to septic design process. Other topics include: preliminary review (feasibility studies), soil investigative reports for community disposal systems, and percolation testing. Instructor: Ian Kaufman

Approved DE WW Ops-D. Approved DE Onsite lic. A,B,C,D,E,F,H,I. Approved DE Nutrient Mgmt Program, 3.5 CEC’s. Approved MD Lic. PE’s. Approved MD Env. Health Spec. NJ-07-0912146-20. 4 hrs, .4 CEUs

EYI 574 201 - Fee $95
1 session, 11/10, F, 8:30am-12:30pm

Electrical Blueprint Reading for Operators

Designed to enhance basic electrical troubleshooting skills by teaching interpretation of electrical blueprints. Learn the meanings of symbols and other information provided on typical electrical drawings. Instructor: Bill Hudran

Approved DE Water Ops -P. Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. MDE Approval #1156-94-12, ALL, NP. Approved DE Well Drillers, 4.0 hrs. Approved MD Well Drillers. Approved MD Lic. PE’s. PADEP #691. NJ-07-040663-30. Approved VA WWOPS. 7 hrs, .7 CEUs

EYI 225 201 - Fee $175
1 session, 11/10, F, 8:30am-4:30pm

Disinfecting New Water Structures

This course has been designed to provide students with the standards and the regulatory requirements for approval of a water system prior to first use. The course will review industry disinfection practices for new structures in a water system and include related volume and dosage calculations. Proper sampling techniques, collection, and reporting will also be discussed. Instructor: Ed Hallock

Approved DE Water Ops-P. Approved MD lic. PE’s. NJ-07-0914202-10. 4 hrs, .4 CEUs

EYI 993 201 - Fee $95
1 session, 11/14, T, 8:30am-12:30pm

Basics of Air Compliance

This course will provide students with the history of the Clean Air Act and emphasize the major programs established under it including: Title V, New Source Performance Standard, New Source Review, Prevention of Significant Deterioration, and National Ambient Air Quality Standards. Students will also learn how to stay in compliance with proper refrigerant management and Ozone Depletion Substance regulations, as well as keep emergency Reciprocating Internal Combustion Engines (fire pumps and emergency generators) and mobile sources exempt. Instructor: Shaun Gilday

Approved MD Lic. PE’s. 4 hrs, .4 CEUs

EYI 290 201 - Fee $95
1 sessions, 11/14, T, 1-5pm
Inspection of Onsite Wastewater Systems (Class H License)
Learn the necessary protocol for inspecting onsite wastewater treatment systems. The course prepares students for the Delaware Class H license examination and provides the necessary guidelines for performing an effective and regulatory approved onsite system inspection. It also provides students with important information on inspecting alternative onsite systems and completion of state inspection reports. Instructor: Jim Cassidy

Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. MDE Approval #5328-13-02 7.0 (X1.5) WW 6 OPERS, NP. MDE Inspector Approved. Approved MD Env. Health Spec. Approved MD Lic. PE’s. NJ-07-0313170-20. 7 hrs, .7 CEUs
EYI 533 201 - Fee $199
1 session, 11/17, F, 8:30am-4:30pm

Basics of Portable Restroom Operation and Management (Porta Potties)
This course relates the general operation of the portable restroom business in Delaware. The course material covers pertinent federal/state environmental and DOT requirements for the portable restroom business and its peripheral activities. It includes operator licensing details, waste disposal requirements, safety in disinfectant handling, and covers the aesthetic issues pertaining to portable restroom industry. Concepts such as emergency preparedness for large and small scale catastrophic events in which portable restrooms may play an important role will also be examined. Instructor: Steve Rohm

Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. 6 hrs, .6 CEUs
EYI 239 201 - Fee $149
1 session, 11/21, T, 9am-4pm

Three-Phase AC Power Workshop
Review typical electrical vocabulary and AC power theory. Discuss common three-phase voltage and transformer configurations and operation of three-phase motors. Perform testing and troubleshooting methods on three-phase power and motors; compare single-to three-phase power. Textbook is included. Instructor: Bill Hudran

Approved DE Water Ops-P. Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. Approved DE Well Drillers, 4.0 hrs. MDE Approval 4545-09-06, 7 (1.5x), ALL, NP. Approved MD Well Drillers. Approved MD Lic. PE’s. NJ-07-040687-30. Approved VA WWOPS. 7 hrs, .7 CEUs
EYI 543 201 - Fee $215
1 session, 11/22, W, 8:30am-4:30pm

Soils
Designed to give installers, haulers, and designers a general overview of how soils affect the operation of an onsite system. Discusses textures, compaction, water movement, and soil pollution. Instructor: Bill Gangloff

Approved DE WW Ops-I. Approved DE Onsite Lic. A,B,C,E,F,H,I. Approved DE Nutrient Mgmt Program, 5.0 CEC’s. MDE Approval #5327-13-02, 7, WW 1-6, S & A; IWW 1-7 OPERS, NP. Approved MD Env. Health Spec. NJ-07-0912133-20. Approved VA WWOPS. 7 hrs, .7 CEUs
EYI 294 201 - Fee $175
1 session, 11/20, M, 8:30am-4:30pm
Risers, Baffles and Filters - Installation and Repair
Concentrates on the replacement of inlet/outlet baffles (including retrofitting for filter installation), repair of the internal baffle, riser installation and selection and installation of effluent filters. Instructor: Steve Rohm
Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. Approved MD Lic. PE's. Approved MD Env. Health Spec. NJ-07-0912140-20. 4 hrs, .4 CEUs
EYI 508 201 - Fee $95
1 session, 11/28, T, 8:30am-12:30pm

Sound Procedures for Drinking Water Sampling
Students will learn key concepts and sound scientific procedures that should be included in every sampling program. Instruction will focus on the need for a sampling plan, accurate sampling, and follow the sample through the chain of custody to its eventual analysis. Proper sampling methods are critical in evaluating the quality of the water you produce, or distribute. Instructor: Ed Hallock
Approved DE Water Ops-P. Approved MD lic. PE's. NJ-07-0217248-10. 3 hrs, .3 CEUs
EYI 272 201 - Fee $95
1 session, 11/29, W, 8:30am-11:30pm

Recordkeeping Using Databases for Operators
As recordkeeping requirements continue it is necessary for professionals to understand all types of database management. This introductory course will provide students with a basic understanding of basic database concepts, the differences between a spreadsheet and a database and the pros and cons of each. Class time will include a hands-on demonstration and discussion of a records management database that is an enhanced version of a typical spreadsheet based system. Instructor: Anthony Zeccola
Approved DE Water Ops-NP. DE WW approval pending. Approved MD lic. PE's. NJ-07-0217250-30. 3 hrs, .3 CEUs
EYI 282 201 - Fee $85
1 sessions, 11/29, W, 1-4pm

Operation and Maintenance of Innovative and Alternative Systems
This class provides an in-depth view of specific alternative treatment units, and alternative disposal systems operation and maintenance. Learn operation and maintenance requirements, preventative maintenance, as well as cleaning and troubleshooting tips for advanced treatment devices, drip dispersal systems and media filters. Instructors: Brian Dotterer/Hilary Valentine
Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. MDE Approved #5261-12-10, 7 WW 3-6 & S; IWW 4-7 OPERS. Approved MD Env. Health Spec. Approved MDE-BAT. Approved MD Lic. PE's. NJ-07-0912145-20. 7 hrs, .7 CEUs
EYI 910 201 - Fee $175
1 session, 11/30, Th, 8:30am-4:30pm

SPCC and Industrial Storm Water Management
This 7-hour introduction to SPCC and Storm Water Management course is designed for those indirectly or directly responsible for SPCC and storm water permitting and planning at their facility. The first half of the course will review the SPCC Regulations, and will walk students through the development and implementation of an SPCC plan and inspecting their facility to assure compliance with the regulations. Students will be able to practice reviewing an actual SPCC plan. The second part of the course is designed to provide a history of industrial stormwater regulations, provide guidance on developing a Storm Water Pollution Prevention Plan and reviewing a SWPPP for an actual facility. Utilizing group exercises, the class will be able to develop a punch list that they can take back to their facility and allow immediate use of class principles. Students are welcomed to bring their current plans for use during class.
Instructor: Amber Moore
Approved DE WW Ops-D. Approved DE Onsite Lic. E,F. Approved DE Nutrient Mgmt Program, 6.0 CEC's. MDE Approval #5657-15-03, 7.0 (X1.5) ALL, NP. Approved MD Lic. PE's. NJ-07-0414190-20. 7 hrs, .7 CEUs
EYI 986 201 - Fee $175
1 session, 12/1, F, 8:30am-4:30pm
Activated Sludge: Settleability; Problems and Loss of Solids & Filamentous Organisms

Presents the identification, causative factors and corrective measures for operational conditions resulting in poor settleability and loss of secondary solids. An in-depth review of roles of filamentous organisms is present along with their identification, factors promoting proliferation and measures for controlling their growth. Instructor: Jeff Deats
Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. Approved MD Lic. PE’s. NJ-07-1010126-20. 7 hrs, .7 CEUs

EYI 275 201 - Fee $175
1 session, 12/4, M, 8:30am-4:30pm

Verifying the Water, Wastewater Process

This course combines interactive lecture and test method demonstration of water/wastewater testing for compliance and operational needs. The basic calorimetric, titrimetric, nephelometric, electrometric, turbimetric testing protocol for operation needs will be covered. The class provides environmental operators with the tools needed to choose the right test method and apply it toward operational and compliance needs. Instructor: Mike Harrington, CET
Approved DE Water Ops-P. Approved DE WW Ops-D. MDE Approval #4301-08-06, 7 (1.5x) ALL, P. PADEP #430. Approved MD lic. PE’s. NJ-07-040633-30. Approved VA WWOPS. 7 hrs, .7 CEUs

EYI 233 201 - Fee $175
1 session, 12/5, T, 8:30am-4:30pm

Environmental History of Delaware

This course will survey Delaware’s natural history from the basic geology through the environmental movement. The course will take into account the geological make up of the area and will consider the impact of man from the native cultures through the present. Students will survey the changing environmental experience and its ramifications on public health, the native flora and fauna, the riparian systems, and the use of the land. Finally, we will review the environmental movement and its effect on the conditions at present. The textbook is included. Instructor: Alan Roth, MS
Approved DE WW Ops-I. Approved DE Nutrient Mgmt Program. 5.5 CEC’s. 7 hrs, .7 CEUs

EYI 949 201 - Fee $199
1 session, 12/6, W, 8:30am-4:30pm

Math Review for Water and Wastewater Operators

Review basic math skills, problem-solving techniques, and use of calculator for successful completion of state exams. Review topics include: addition, subtraction, multiplication, division, ratios and proportions, area measurements, and volume calculations. Word problem solving techniques included. Instructor: Steve Rohm
Approved DE Water Ops-P. Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,H,I. MDE approval pending. Approved MD lic. PE’s. NJ-07-0912152-30. 6 hrs, .6 CEUs

EYI 929 231 - Fee $149
2 sessions, 12/6-12/13, W, 5:30-8:30pm

Attention Training Professionals

The ETC is searching for new trainers to join our expanding team. Become part of our highly respected team, and share your knowledge with others in this industry.

Please contact Hilary Valentine at 302-259-6384 if interested.
Trenching/Shoring Safety
Discover how to prevent unnecessary deaths by practicing proper safety while digging trenches, one of the most dangerous activities in the construction industry. This course is designed to familiarize individuals with the proper methods necessary to keep their job safe and in compliance with OSHA regulations.
Instructor: Carmine Castorina
Approved DE Water Ops-NP. Approved DE WW Ops-I. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. MDE Approval #5290-12-10, 7.0 (x1.5) ALL, NP. Approved MD Lic. PE’s. PADEP #1947. NJ-07-040671-31. Approved VA WWOPS. 7 hrs, .7CEUs
EYI 208 201 - Fee $175
1 session, 12/7, Th, 8:30am-4:30pm

Confined Space Entry
Employees that work in confined spaces may face increased risk of exposure to serious hazards. Course will explore OSHA mandated compliance regulations regarding confined space, lockout/tagout, and respirator usage. Learn the requirements for permit-required confined spaces. Topics include: hazards identification and control measures, energy isolation procedures, equipment requirements, personnel roles, and responsibilities and rescue techniques. Instructor: Lori Brown
Approved DE Water Ops-NP. Approved DE WW Ops-I. MDE Approved #5259-12-10, 7.0, ALL, NP. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. PADEP #1930. Approved MD Well Drillers. Approved MD lic. PE’s. NJ-07-040643-31. Approved VA WWOPS. 7 hrs, .7 CEUs
EYI 286 201 - Fee $175
1 session, 12/13, W, 8:30am-4:30pm

Intro to SCADA
Review of typical vocabulary and symbols used in SCADA systems for water and waste water systems. Learn SCADA basic operations and functions, how it improves operational control and monitoring, and common problems faced when using SCADA in facilities. Instructor: Sam Allen
Approved DE Water Ops-P. Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. MDE Approval #4436-09-04, 7 (1.5x) ALL, NP. Approved MD Lic. PE’s. NJ-07-050796-30. 7 hrs, .7 CEUs
EYI 561 201 - Fee $175
1 session, 12/8, F, 8:30am-4:30pm

Nitrification in Water and Wastewater Processes
This class will present an overview of nitrification processes as they occur in both water and wastewater applications. Standard practices used to control nitrification will be discussed. Instructor: Sheila Shannon
Approved DE Water Ops-P. Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. MDE Approval Pending. Approved MD lic. PE’s. NJ-07-0916242-30. 7 hrs, .7 CEUs
EYI 219 201 - Fee $175
1 session, 12/12, T, 8:30am-4:30pm

Agricultural Utilization of Biosolids and Other Land Treatable Wastes
This course is suited for municipalities, facilities, and individuals that are interested in land application as a disposal option for biosolids, residuals generated in the treatment of wastewater, and other wastes suitable for land application. Major emphasis will be placed on Delaware’s land application regulations, the land application permitting process, nutrient management concepts, review of annual reporting requirements, and compliance with requirements in Parts III and V of Delaware’s Guidance and Regulations Governing the Land Treatment of Wastes. Instructor: Brian Churchill
Approved DE WW Ops-D. Approved DE Onsite Lic. A,B,C,D,E,F,H,I. Approved DE Nutrient Mgmt Program, 6.0 CEC’s. Approved MD lic. PE’s. NJ-07-0915228-20. 7 hrs, .7 CEUs
EYI 218 201 - Fee $175
1 session, 12/15, F, 8:30am-4:30pm
Modern PLC Systems
This hands-on course provides a comprehensive curriculum and application workstation that teaches modern PLC systems as they are used in industry today. Students learn both basic and advanced applications using the powerful Siemens S7-1200 PLC and use HMI panels and networks throughout the curriculum. Topics include: introduction to PLCs, basic HMI panel operation, PLC programming, PLC motor control, sequencing, editing, analog inputs/outputs, and much more. Instructor: Bill Hudran

Approved DE Water Ops-P. Approved DE WW Ops-D. MDE approval pending. Approved MD lic. PE’s. NJ-070416237-30. 30 hrs, 3.0 CEUs

EYI 253 231 - Fee $375
10 sessions, 8/17-10/19, Th, 5-8pm

Landscape Design
Ever wonder why some outdoor spaces feel special while others you would like to avoid? Come learn the art of Landscape Design where we will balance the built and natural environments and create art in the landscape. Beginning with site analysis, into an overview of common plants and their characteristics, and moving onto design tools and techniques, you will discover how choosing the right plant for the right spot can grow into a spectacular outdoor room. The textbook is available in campus bookstore. Instructor: Eric Wahl

17 hrs, 1.7 CEUs

EYI 994 231 - Fee $269
7 sessions, 8/22-10/3, T, 6-8pm

Small Engine Repair I
Upon completion of this class, students will be able to discuss the theory of operation, service and troubleshoot the starter, ignition and fuel system, perform basic maintenance and tune up procedures, and explain the safety factors of small engines. The course includes two and four cycle design of lawn mowers, weed eaters, chainsaws, snow blowers, and small marine engines (15hp and less). Tools will be provided for in-class use. Instructor: Tom Molnar

21 hrs, 2.1 CEUs

EYI 220 231 - Fee $295
7 sessions, 9/7-10/19, Th, 6-9pm

ATSSA Flagger Certification Training
This 4-hour nationally recognized American Traffic Safety Services Association (ATSSA) course is offered through the Delaware Safety Council and is based on the Manual on Uniform Traffic Control Devices. Instruction on proper uses of and standards for flagging equipment, setting up flagger stations, factors effecting vehicle stopping distances, recognition of dangerous situations, communication methods with highway work zone employees and motorists, and recognition of health hazards associated with summer and winter work. A score of 70% or higher is required on the final exam before ATSSA Certification can be granted. Instructor: Delaware Safety Council

EYD 535 261 - Fee $105
1 session, 9/30, S, 8:30am-12:30pm

EYD 535 262 - Fee $105
1 session, 11/11, S, 8:30am-12:30pm
Preparation Review for HVACR Industry Certification Exam: Core Essentials
Master the key concepts required to pass industry standard core essentials examination. Knowledge preparation includes review of trade tools, safety, heat and matter, electrical fundamentals, transformers and motors, electrical diagrams, test instruments, industry terms, equations, equivalents and conversions, symbols, refrigerant pressure-temperature tables, trade math, and review questions. Upon successful completion of course, student may contact the DTCC Testing Center to schedule exam. Textbook is available in campus bookstore. Instructor: Paul Sichau
15 hrs, 1.5 CEUs
EYI 954 261 - Fee $265
2 sessions, S, 10/21 from 8am-5pm & 10/28 from 8am-4pm

Small Engine Repair II
This course is a continuation of Small Engine Repair I with emphasis on complete engine and drive service, diagnosis, inspection, and overhaul of systems. Tools will be provided for in-class use. Instructor: Tom Molnar
21 hrs, 2.1CEUs
EYY 221 231 - Fee $295
7 sessions, 10/26-12/14, Th, 6-9pm

Portable PLC Troubleshooting
This hands-on course provides skills in troubleshooting PLC’s using the powerful Siemens S7-1200 PLC. Programming, operating, and troubleshooting skills on modern PLC systems are vital for future professionals. This course integrates an HMI panel, networking, and a variety of programming commands in order to teach real-world processes. Instructor: Bill Hudran
Approved DE Water Ops-P. Approved DE WW Ops-D. MDE approval pending. Approved MD lic. PE’s. NJ-070416238-30. 24 hrs, 2.4 CEUs
EYI 251 231 - Fee $339
7 sessions, 10/26-12/14, Th, 5-8:30pm

Forklift Operation/Safety Certification Training Program
Designed to meet OSHA standards by providing students with the safety and operational knowledge as well as the skills required to operate a forklift safely. Each participant will be required to capably operate a forklift and demonstrate practical operational skills. Instructor: Frank Walker
4 hrs, .4 CEUs
EYP 203 261 - Fee $189
1 session, S, 10/14, 9am-1pm
EYP 203 262 - Fee $189
1 session, S, 11/11, 9am-1pm
CUSTOMIZED ENVIRONMENTAL/INDUSTRIAL CORPORATE TRAINING

Let the Environmental Training Center at Delaware Technical Community College provide your employees with new and updated skills. Corporate training will strengthen your workforce, increase productivity, and improve retention rates.

Our experienced environmental/industrial technical experts will identify your needs and design, develop, and deliver company-specific training in a wide variety of areas vital to your industry. We offer a variety of course delivery options, including on campus, on-site, and online to minimize impact on work schedules.

Whatever your training needs, large or small, our customized training professionals are prepared to work with you to grow your employees, support certification and credentials, and meet or exceed your regulatory limits.
MANUFACTURING TRAINING

FREE Training for Unemployed and Underemployed Individuals

You may be eligible to earn a spot in a FREE Manufacturing Training Skills Program sponsored by Delaware Tech and the Delaware Department of Education.

Qualified individuals will receive 600 hours of training that will include classroom simulations and hands-on demonstrations.

The program will take place at Delaware Tech’s Innovation & Technology Partnership Center which is located behind the Woodbridge Middle School in Bridgeville.

Students will earn certifications in: CPR, Forklift, OSHA 10, and be eligible to sit for National Manufacturing Skill Standards Council certifications in specialized areas.

For more information and to register for an information session, please call 302-259-6384.
Notice of Availability of Annual Security Report

Delaware Technical Community College maintains an annual security report as required by the Clery Act. The College’s annual Clery Act report contains information on campus security and personal safety, including crime prevention, the law enforcement authority of College public safety officers, crime reporting policies, certain specific College policies, and other important matters about security on campus. The report also contains statistics for the three previous calendar years on crimes that were reported to have occurred on campus, in certain off-campus buildings or property owned or controlled by the College, and on public property within or immediately adjacent to and accessible from the campus.

The College’s annual Clery Act report is available on the Delaware Tech website at dtcc.edu/about/public-safety/your-right-know. A printed report may also be obtained free of charge from the Office of Public Safety at each campus upon your request.

Statement of Nondiscrimination Policy

It is the policy of the College that no person shall, on the basis of race, color, creed, sex, national origin, age disability, sexual orientation (defined exclusively as heterosexuality, homosexuality, or bisexuality), or genetic information be subjected to any discrimination prohibited by the Civil Rights Act of 1964, as amended; the Age Discrimination in Employment Act, as amended; Americans with Disabilities Act, as amended; Section 504 of the Rehabilitation Act of 1973; Title IX of the Educational Amendments of 1972; the Genetic Information Nondiscrimination Act of 2008 and other applicable laws, regulations and Executive Orders. This policy applies to recruitment, employment and subsequent placement, training, promotion, compensation, continuation, probation, discharge and other terms and conditions of employment over which the College has jurisdiction as well as to all educational programs and activities.

The College has designated a Civil Rights Coordinator, who serves as the College’s Title IX Coordinator and the College’s ADA/Section 504 Coordinator, to carry out its commitment to equal opportunity and nondiscrimination. Inquiries or complaints by students or employees regarding the College’s nondiscrimination policies may be addressed to:

Christina M. Garcia
Civil Rights & Title IX Coordinator
Office of the President
100 Campus Drive, Dover, DE 19904
(302) 857-1903
civilrights@dtcc.edu
Cancellation of Classes: Classes will be cancelled if a minimum number of full-paying students have not registered.

Enrollment Policy: You are enrolled upon receipt of payment, provided there is space in the class. You will be contacted if there is a problem.

Refund Policy: For a full refund, you must contact the Workforce Development and Community Education office at least 72 hours before the first session. Withdrawals within the first week receive a 75 percent refund. Refunds are not given for classes that have three or fewer sessions, with the exception of the above 72-hour refund request. Please note that there are some courses with different refund policies.

Continuing Education Units (CEUs) Awards: The CEU (Continuing Education Unit) is a nationally accepted standard for non-credit continuing education courses. A certificate is awarded upon successful completion and may be used as a reference for job promotion or hiring. Designated non-credit professional development courses are CEU-certified.

Tax Deduction/Credit Policy: An income tax deduction/credit may be permitted for educational expenses incurred while maintaining and improving professional skills. Consult your tax specialist for more information.

Inclement Weather/ Emergency Closing: Information about the delay or cancellation of day, evening or weekend classes will be available by calling the campus at 302-259-6000. Announcements will also be made on local television and radio stations.
REGISTRATION FORM

Registration for Workforce Development and Community Education courses is continuous throughout the year and is accepted on a first come, first served basis. Please complete this form and register using one of the five convenient methods.

Date _____________ SS# _______-_____-______ Birth Date _____/_____/_____
Name (last, first, middle initial) ____________________________________________
Address _________________________________________________________________
City ___________________________ State _______ Zip ____________
Phone (day) _____________________ (eve.) __________________ (cell) ________________
Email Address ____________________________________________________________

Would you like to receive information regarding courses via email? YES ☐ NO ☐

Five Easy Ways to Register

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Three Easy Ways to Pay

We accept Visa, MasterCard and Discover credit cards and debit cards. Cash accepted for in person registration only.

Source of payment: ☐ Self ☐ Employer ☐ Other __________________________
☐ Check payable to DTCC  Check # ______________ Bank ___________________
☐ Cash (in person only)
Credit Card ☐ Visa ☐ Discover ☐ Mastercard
Card # _________________ Verification # _____ Exp. Date ____/______
Name as it appears on credit card ______________________________________
Billing address if different than above:
Address: ___________________________________________________________
City ___________________________ State _______ Zip ____________
Authorized Signature: ______________________________________________

NOTE: The information requested below is optional and will be used for statistical purposes only.
Ethnic Origin: ☐ African-American
☐ Asian/Pacific Islander ☐ Caucasian
☐ Hispanic/Latino
☐ Native American/Alaskan ☐ Other

For internal use only:
Rec’d by: ☐ Mail ☐ In Person ☐ Fax ☐ Phone
Employee Proc Form: __________________
This is our last individual Environmental Training catalogue!

Look for the next Environmental Training schedule in the Spring 2018 Workforce Development and Continuing Education catalogue available December 2017!