

ELECTRICAL CONTINUING EDUCATION



Earn the continuing education credits you need to maintain your electrical license with our 2014 Electrical Code update. These 8- and 15-hour trainings will cover all the necessary electrical code update to refresh your knowledge on state and federal standards. This workshop qualifies for 8 or 15 CE Hours for VT, NH, and ME licenses.



PLUMBING CONTINUING EDUCATION



We offer a variety of approved 2-8 hour continuing education trainings for you to gain the credit hours you need to keep your VT license current. Trainings include 2015 IPC & VT Code update; ADA Standards for Accessible Design; Backflow Protection; Drain, Waste & Vent; Hot Water; and Water Supply & Distribution.

OUR PARTNERS:



LEARN MORE

www.vtc.edu/cewd

cewd@vtc.edu

802.728.1680



VERMONT TECH

CONTINUING EDUCATION & WORKFORCE DEVELOPMENT

GREEN TRAININGS

As Vermont's leading provider of workforce training solutions and professional development services, the Office of Continuing Education & Workforce Development at Vermont Tech (CEWD) provides customized training and workforce development in leadership and technical areas. CEWD works with companies and organizations of all types to maximize their human capital and realize their full potential.

VERMONT TECH Green Trainings will teach you the skills you need to increase your expertise, expand your work opportunities, and keep your professional edge. Our regular course rotation, evening and weekend options, and convenient training sites around Vermont mean you can get the training you need in a way that meets your schedule and budget. From brief focused courses to longer intensives leading to high-level certifications, Vermont Tech

Green Trainings are growing to serve a range of students and professions. Many of our courses offer approved continuing education hours to help you maintain certification and stay current in the field.

We invite you to grow your business and to expand your career options, doing work that leads to a more sustainable future. Put Vermont Tech Green Trainings to work for you!

WEATHERIZATION & HOME PERFORMANCE

RENEWABLE ENERGY

CIVIL ENGINEERING

ALTERNATIVE FUEL VEHICLES

HEALTH & SAFETY

ELECTRICAL CONTINUING EDUCATION

PLUMBING CONTINUING EDUCATION

LEARN MORE

www.vtc.edu/cewd

cewd@vtc.edu

802.728.1680

WEATHERIZATION & HOME PERFORMANCE

HVAC

This course will prepare students for an entry-level career in the HVAC/R industry by providing hands-on guidance for service, repair, and solutions. By course completion, students will be ready to pass all 17 HVAC Excellence Employment Ready Certificates, the EPA 608, and the NATE Ready to Work Certificate. Students will also receive a voucher for the HVAC Excellence Employment Ready Certificate exam and EPA 608 Certification exam.



BPI PROFESSIONAL CERTIFICATE TRAINING

Building Performance Institute (BPI) certifications demonstrate a level of knowledge and expertise that potential clients look for and can help you land new work. In addition, many federal, state, and utility initiatives require BPI certifications for contractor participation in energy efficiency projects. Vermont Tech offers three BPI certification trainings: Building Analyst, Envelope Professional, and Heating.

BPI CONTINUING EDUCATION

Every three years, BPI certified individuals must renew their certification and earning continuing education credits can aid this process. We offer a variety of continuing education classes that will get you the credits you need to bring you up-to-speed and maintain accreditation in the field.

INFRARED CAMERA

Attempting to diagnose building thermal issues without Infrared Thermography is a lot like throwing darts blindfolded. You might hit the mark by accident, but you won't really know why. Learn what you need to know to begin to incorporate this fascinating and critical tool into your weatherization projects so you can see what's going on inside the structure you're working on. Vermont Tech's two-day Infrared Camera training provides a thorough introduction to and in-depth training on using Infrared Thermography as part of a building weatherization audit.

8 BPI CONTINUING EDUCATION CREDITS

COMBUSTION ANALYSIS FOR RESIDENTIAL HEATING SYSTEMS

Residential heating system performance is a key factor in a home energy audit. Understanding both the fundamentals of how heating systems work and how to analyze them are key to helping your clients know what they have, how well it works, and what

their options are for reducing energy use. (2-day training)

8 BPI CONTINUING EDUCATION CREDITS

SUCCESSFUL SALES AND MARKETING FOR HOME PROFESSIONALS

This one-day entertaining and informative sales seminar will advance you on the art of persuasion. It is designed for anyone who wishes to increase his or her sales. It deals with prospecting, building a network, the interview, the presentation, answering prospects concerns, selling your price, dealing with competitor give-aways, closing, and after-sale service to get referrals. This course is designed for business owners, sales professionals, sales managers, general managers, and anyone else engaged in selling.

2.67 BPI CONTINUING EDUCATION CREDITS

WEATHERIZATION CREW CHIEF

Leading a team is hard work, but the Weatherization Crew Chief position is a particularly demanding one. As the technology of home retrofitting becomes more complex, so does the role and responsibilities of the Crew Chief. This two-day interactive training will provide discussion, demonstrations, and "real-world" scenarios designed for newly hired and experienced Home Performance Crew Supervisors. For the company owner, CEO or administrator, this training can help you evaluate your policies and procedures, staff assignments, and job descriptions.

8 BPI CONTINUING EDUCATION CREDITS

BPI TEST CENTER

Do you need to take your online or field exams for BPI certification or recertification? If so, we have experienced proctors that are certified to carry out testing for a variety of certifications on a regular basis.



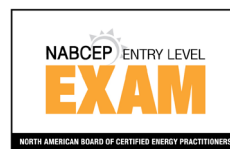
Using current examples and exercises, this class will bring you up-to-date in this fast changing, competitive field.

SOLAR HOT WATER

The push for solar hot water systems is on! This two-day Introduction to Solar Hot Water workshop will give you a solid foundation, covering how solar hot water systems work, installation basics, and the equipment required. Course format will include both classroom training and applied learning.

NABCEP ENTRY-LEVEL TEST CENTER

The NABCEP Entry-Level exam is the first step for anyone looking to gain a national industry credential and just beginning in the solar field.



RENEWABLE ENERGY

INTRODUCTION TO SOLAR PV

This five-day introductory course will prepare you to work at an entry-level position in the solar industry and will provide you with the knowledge to take the North American Board of Energy Practitioners (NABCEP) PV Entry Level Exam. The 40-hour program combines lecture and discussion, in-class and out-of-class exercises, and hands-on activities.

ADVANCED SOLAR PV

This 5-day course will offer you the next step toward gaining education requirements needed to apply for the NABCEP Installer certification. This training will cover more in-depth topics such as project management,



permitting, trouble shooting, and advanced design concepts. This training is a continuation of our Introduction to Solar PV training.

SOLAR PV UPDATE

This one-day class will cover current technology in Solar PV systems, 2014 National Electrical Code, safety and best practices.

CIVIL ENGINEERING

READING THE LANDSCAPE

Join us in a day filled with investigation and discovery as you learn how geology, climate, plants, animals, and human history come together to form the intricate mosaic of ecosystems that define the Vermont landscape. We'll use the knowledge gained from reading aerial photography and topographic maps, studying soil and bedrock maps, and identifying plants and animals to predict which of the 80 Vermont natural community types might be found on a nearby property.

QUALIFIES FOR 2 VT DEC NONSOIL CREDITS

SILTY SANDS AND WHY ARE THEY HERE

Sandy silts, silty sands, and gravelly clay - which happens where and why? Improve your soil identification skills and expand your knowledge of soil physical properties. This one-day training will cover soil morphology; techniques for field soil identification; soil texture identification using the Vermont Tech soils library; remote soil data via GIS, NRCS, ANR; soil classification systems for wetlands, wastewater, and engineering; and Vermont soil formation.

QUALIFIES FOR 2 VT DEC SOIL CREDITS

WETLANDS DELINEATION

In this 40-hour training, you will learn how to properly identify the key factors that determine wetlands, based in part on the U.S. Army Corps of Engineers Wetlands Delineation Manual, 2012 Supplement for Northeast Region, and the most recent National Wetland Plant List and NRCS Hydric Soils guidance. Federal regulations, State regulations and appropriate permitting in relation to wetlands will also be covered. This certificate training offers professional experience and applied field experience.

QUALIFIES FOR 8 VT DEC NONSOIL & 8 SOIL CREDITS

HIGH STRENGTH WASTEWATER

Are systems for restaurants, supermarkets, and convenience stores giving you trouble? Typically when they fail, the designer often replaces it with an in-kind type of system that is not adequate for these wastewater applications. This course describes the parameters that should be used for troubleshooting and designing commercial high-strength wastewater (HSW) systems.

QUALIFIES FOR 8 VT DEC NONSOIL CREDITS

MICROBIOLOGY

Microorganisms play a critical role in the transformation, processing, and treatment of wastewater. In addition, numerous types of disease-causing bacteria, viruses, protozoa, and worms may be present in wastewater effluent. This training will instruct you about the variety of microorganisms that are present in wastewater and the dynamic and interactive relationships that occur in onsite wastewater systems and in the soil environment.

QUALIFIES FOR 4 VT DEC NONSOIL CREDITS

ON-SITE WASTEWATER TEST PIT PRACTICE

This one-day training will incorporate limited lecture on soils, hydrology, and Vermont septic design regulations in the morning, with field practice in identifying soil layers, texture, and redoximorphic features in the afternoon. Participants will be led through a test pit evaluation by the instructor, then work in teams to complete one to two test pits under the guidance of the instructor. Participants will also complete at least one test pit evaluation on their own.

INTRODUCTION TO GIS/GPS

In this two-day training, participants will gain an understanding of fundamental geospatial concepts which they will then apply by learning how to use online mapping applications, consumer-grade GPS receivers, and QGIS open source GIS software. QGIS will be used to explore and display geospatial data, to



create new geospatial data, to perform simple geospatial analysis, and to compose basic maps appropriate for printing or publishing. Participants will develop a mapping question or project that they will explore and build on throughout the training.

QUALIFIES FOR 6 VT DEC NONSOIL CREDITS

INTRODUCTION TO ARCGIS

With this three-day training, participants will learn how to use ESRI's ArcGIS 10.0 software to explore and display geospatial data, to create new geospatial data and include it in their map projects, to perform geospatial analyses, to find and acquire free and public GIS data, and to compose basic maps appropriate for printing or publishing. Participants will develop a mapping question or project that they will explore and build on throughout the course.

QUALIFIES FOR 9 VT DEC NONSOIL CREDITS

ALTERNATIVE FUEL VEHICLES

HYBRID & ELECTRIC VEHICLE

Increase in fuel costs every year have contributed to a national trend in popularity of hybrid and electric cars. This growth creates a demand for the maintenance, service, and repair of hybrid vehicles as well as an understanding of the risks and remedies associated with responding to emergencies involving these types of vehicles. We offer trainings that will build skills through hands-on applied-learning techniques and some class lecture.

BIODIESEL

Any diesel engine on the road today can use biodiesel fuel. This two-day training, designed for those seriously interested in biodiesel fuel, will describe engine systems, biodiesel blends, and biodiesel production.

COMPRESSED NATURAL GAS

Several auto manufacturers make natural gas-powered vehicles available to the consumer today. The need for qualified technicians to service and maintain these vehicles is growing rapidly. This training is designed for the professional technician, automotive student, fleet drivers and managers. It will teach you safety, service procedures, vehicle systems, and the nature of gaseous fuels.

HEALTH & SAFETY

OSHA 10 CONSTRUCTION

This two-day training is intended to provide building-trade workers with information about how to recognize, avoid and prevent job-related hazards, as well as provide information on employee rights, employer responsibilities, and how to file a complaint. The training covers a variety of construction safety and health hazards which a worker may encounter at a construction site and will emphasize hazard identification, avoidance, control and prevention.

EPA LEAD RRP INITIAL AND REFRESHER

If you are a contractor, carpenter, plumber, or electrician who works on homes built before 1978, you must be certified according to the EPAs Lead Renovation, Repair and Painting (RRP) Rule. Vermont Tech Green Trainings offers both Lead RRP initial and refresher training that will certify you to meet the law. These trainings will instruct you in what you need to know to protect yourself and your customers from the dangers of lead paint and lead dust.