

CLEAN TECHNOLOGY

CERTIFICATIONS & DEGREES TO BOOST YOUR BUSINESS

Certifications provide a standard that sets you apart so employers and customers know that you can demonstrate a specific set of knowledge and skills. Many pathways exist for training and certification, and it pays to plan your direction. Whether you are at an entry level or are an experienced contractor with your own company, training and certification can increase the quality and value of your work. Significant on the job learning is usually required to become proficient in the skills taught during a course. For those working as or for contractors in the renewable energy field, the North American Board of Energy Practitioners provides a well-established set of nationally recognized certificates at an entry level training opportunity as well as certifications for skilled professionals.



MATHEMATICS FOR MANUFACTURING & TECHNICAL CAREERS

Course is geared towards those that need a math refresher before beginning the PV training or other technical training. Mathematical operations including fractions, exponents, basic algebra and trigonometry will be reviewed. Prerequisite: Basic Mathematics. **Instructor: R. Eckmann**

DCB 2064-01 T 9/26-10/24 6:30-8:30pm KSU \$199

ELECTRICAL THEORY I BASICS

Learn electrical theory basics for a variety of professional fields including the manufacturing field. Course will cover basic electrical distribution, identifying and selecting electrical equipment, sizing wires and overcurrent protection, and introduction to the National Electrical Code, installing wires and conduit, theory of series and parallel circuits and measuring voltage and current. This course includes a lab component.

DCB 1947-01 M 10/29-11/26 4:30-7:30pm KSU \$199

ELECTRICAL THEORY II

This course continues on where Electrical I leaves off and is geared towards those in an advanced manufacturing career pathway. This course includes a lab component. Prerequisite: Electrical Theory I Basics or equivalent.

This course will be offered Spring 2019.

PHOTOVOLTAICS (PV) SYSTEMS RECOGNIZED BY NABCEP

The class covers the basic sizing and design of systems to serve a given electrical load and safety procedures for installers and for those learning the basics of solar installation. Students study the electrical code for PV systems in detail and the various mounting systems for PV arrays and how they affect roofs. Course includes a hands-on installation of a PV system. Students completing this course may sit for the NABCEP Associate Exam. This course is approved by New York State Bureau of Veterans Education for payment of VA Education Benefits. Prerequisite: Mathematics for Technical Careers (DCB 2064) and Electrical Theory or permission of the instructor. Required text: Photovoltaic Systems, ISBN: 9780826913081

This course will be offered Spring 2019.

IGSHPA ACCREDITED GEOTHERMAL INSTALLER / NATE CERTIFIED

Learning to install Ground-Source Heat Pump systems will keep you competitive in a market forced to deal with rising energy costs. Installer accreditation enables you to open new markets and offer customers a low-maintenance, economical and environmentally friendly alternative for their space conditioning needs. This three day comprehensive installation workshop is designed for GSHP installers, contractors, dealers, home builders, manufacturers, distributors, architects, heating cooling mechanical engineers, trenching/water well drilling contractors and anyone who desires a working knowledge of this innovative technology. Upon successful completion of the workshop and passing the IGSHPA installer's exam you will be issued IGSHPA accreditation as an installer of GSHP systems. Course price also includes HD Pipe Socket and Butt Fusion Certification, Membership in IGSHPA, test fee and books. **The full fee will be charged if you do not cancel the registration at least fourteen (14) days before the workshop.** You may designate another individual as your substitute. Instructor will show NY workers how to apply for 50% tuition and travel fee subsidy from NYSERDA.

DCB 1054-01 R-S 9/20-22 8am-4:30pm SRC \$1,200



M - MONDAY • T - TUESDAY • W - WEDNESDAY • R - THURSDAY • F - FRIDAY • S - SATURDAY • U - SUNDAY

