

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 W 1/30-2/27 6-8:30pm KSU \$199

ELECTRICAL THEORY I BASICS

Topics covered will include components of the atom, how electrons flow through conductors, conductivity, series and parallel circuits, voltage and current resistance, AC and DC voltage, and Ohm's Law. Course includes a lab component.

DCB 1947-01 W 3/27-4/24 4:30-7:30pm KSU \$199

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: 978-0826913081

Instructor: J. Novak

DCB 1795-01 T/R 5/21-6/13 5:30-9pm SRC \$995
S 6/1 9am-4pm SRC

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 fee subsidy from NYSERDA.

DCB 1054-01 W-F 2/27-3/1 8am-4:30pm SRC \$1,200



JASON NOVAK
INSTRUCTOR FOR PV SYSTEMS

JASON IS THE ONLY SOLAR INSTRUCTOR IN NY STATE TO HOLD THE IREC CERTIFIED MASTER TRAINER – PV INSTALLATION PROFESSIONAL CREDENTIAL AND IS ONE OF TWELVE NATIONWIDE TO HOLD THIS CREDENTIAL. JASON HAS BEEN TEACHING PHOTOVOLTAICS AT SUNY ULSTER FOR THE PAST NINE YEARS.

2019 ULSTER COUNTY YOUNG ADULT JOB FAIR

WEDNESDAY APRIL 3, 2019
KINGSTON CENTER OF SUNY ULSTER • 94 MARY'S AVENUE

This Event is open to young adults between the ages of 16 to 24.

Hiring managers from more than 50 businesses from all over Ulster County representing a variety of industries such as healthcare, recreation, building & grounds maintenance, banking, tourism, IT, manufacturing, human services, retail, and administrative will be there with full time, part time, and seasonal openings.

Remember to dress for success and bring a resume to start your new career!

For more information, call 845-340-3170

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

WATER & WASTEWATER OPERATIONS

Wastewater treatment personnel play a crucial role in improving and protecting our nation's water quality. Wastewater operators are the first line of defense against waterborne diseases, our guardian of water quality, and the safeguard of public health.

Operators wishing to be certified in New York State must satisfy minimum qualifications that include education, experience at a wastewater treatment plant, training, laboratory proficiency, and the passage of an Association of Boards of Certification (ABC) exam.

MATH FOR WASTEWATER OPERATORS

Develop a clear understanding of how to perform everyday water and wastewater operator math calculations.

DCB 1735-01 T/R 1/8-15 6-8pm KSU \$129

BASIC WASTEWATER OPERATIONS

Designed to train operators in the practical aspects of operating and maintaining wastewater treatment plants, emphasizing the use of safe practices and procedures. Information presented includes the role and responsibilities of a treatment plant operator, an explanation of why wastes must be treated, and detailed descriptions of the equipment and processes used in a wastewater treatment plant. Price includes two texts.

PSP 1502-01 T/R 1/17-4/4 6-9:15pm KSU \$1,029

No class 3/12 & 14

BASIC WASTEWATER LAB

Designed to give students as an introduction to wastewater laboratory including chemical nomenclature; laboratory safety; description of glassware, chemicals, lab equipment, and instrumentation; quality assurance, flow measurement and sampling. Price includes text.

PSP 1501-01 T/R 4/9-5/14 6-9:15pm SRC \$639

ACTIVATED SLUDGE

Required for candidates applying for certification for an activated sludge or "A" facility. Developed to instruct how to efficiently operate the activated sludge portion of a wastewater treatment plant. Control strategies and application of laboratory data are presented. Safety and regulatory recordkeeping are emphasized. Price includes text.

PSP 1503-01 T/R 5/16-6/18 6-9:15pm SRC \$569

ENVIRONMENTAL TECHNOLOGY ONLINE

ET Online is offered in partnership with Kirkwood Community College. These courses consist of online text, interactive exercises, self-grading quizzes, and as required, hands-on training and/or final exam.

HAZWOPER 8 HR REFRESHER

HSI 1706 \$99

HAZWOPER 40 HR (24 ONLINE/16 F2F)

HSI 1705 \$415

Register at sunyulster.edu/ce for these classes anytime.
Log-in information will be emailed within 3 business days
after registration.

For a full list of ET Online courses visit www.kirkwood.edu/etonline.

CORPORATE & PROFESSIONAL TRAINING

Let us create training and development solutions that are customized to meet your organizational needs. We've helped hundreds of companies with workforce training and customized business solutions. Connect today and advance your business to the next degree. Popular customized training topics:

- Customer Service Excellence
- Dignity & Diversity in the Workplace
- Leadership & Management Skills
- Project Management
- Workforce Readiness

To discuss options for customized training for your company contact:

SUNY Ulster's, Barbara Reer, Director, Professional Technology Programs
845-802-7188 or reerb@sunyulster.edu

or

Ulster BOCES's, Mary Grenz Jalloh, Director
845-331-5050 or mjalloh@ulsterbooces.org



2019 SUNY ULSTER CAREER FAIR

WEDNESDAY APRIL 10, 2019

SUNY ULSTER

STONE RIDGE CAMPUS • 491 COTTEKILL ROAD

SUNY Ulster invites you to participate
in our upcoming spring career fair.

This event will host numerous employers/agencies
to promote career opportunities
in a variety of fields to our students,
alumni and the community.

For more information, call 845-802-7188

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

BUILDING SCIENCE

BPI BUILDING ANALYST PROFESSIONAL - INTRODUCTION TO HOME ENERGY AUDITING

Prepares students to perform “whole-house” energy assessments, identifying a building’s problems at the root cause and prescribing and prioritizing solutions based on building science principles. Upon successful completion of the written and field exams, students receive Building Analyst Certification. Approved by New York State Bureau of Veterans Education for payment of VA Education Benefits.



Approved for 8.5 BPI CEUs.
Prerequisite: Basic building science background strongly recommended.
Reference textbook: *Residential Energy*
ISBN: 978-1880120231 Instructor: N. Jen

DCB 1842-01 M-F 6/3-7 8am-5pm SRC, Kelder \$995
Class on Friday is from 9-11am and is held at KSU in Kingston.

BPI WRITTEN EXAMS

Written Exams are \$200 each when taken with a BPI class and \$400 each on all other dates.

All written exams are by appointment and subject to a \$200 non-refundable fee. Exams are held at the Kingston Center. To register call 845-339-2025.

DCB 1025	BPI Building Analyst Written Exam
DCB 1026	BPI Building Envelope Field Exam
DCB 1635	BPI Building Heating Professional Field Exam
DCB 1262	BPI Building A/C Heat Pump Field Exam

BPI FIELD EXAMS

All field exams are by appointment and subject to a \$200 non-refundable fee. Exams are held in Kelder located on the SRC.

To register call 845-339-2025.

DCB 1143	BPI Building Analyst Field Exam	\$400
DCB 1149	BPI Building Envelope Field Exam	\$400
DCB 1150	BPI Building Heating Professional Field Exam	\$400
DCB 1270	BPI Building A/C Heat Pump Field Exam	\$400

BPI INFILTRATION & DUCT LEAKAGE (IDL) CERTIFICATION FIELD EXAM

Subject to a \$200 non-refundable fee. To register call 845-339-2025.

DCB 8380-01	by appointment	SRC, Kelder	\$400
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HEP ENERGY AUDITOR

Written Exam:	DCB 1268-01	by appointment	\$500
Field Exam:	DCB 1269-01	by appointment	\$600

HEP QUALITY CONTROL INSPECTOR

By appointment.

Contact reerb@sunyulster.edu at 845-802-7171 for more details.

SUNY Ulster’s Kelder Test House is an approved field test site for both the BPI Energy Auditor and BPI Quality Control Inspector Certifications.

GREEN BUILDING MAINTENANCE & MANAGEMENT A.A.S. 61-63 credits

Gain the skills and knowledge needed to maintain and manage high-performance commercial buildings. Learn current theories and get hands-on training to work with evolving technologies like photovoltaic cells, wind generators, geothermal heating, and HVAC systems.

ENERGY MANAGEMENT

In this course, students learn how to calculate, measure, and manage the energy consumption of buildings. Students learn to navigate the growing list of energy efficiency strategies and technologies. Topics include energy auditing, accounting, monitoring, targeting, and reporting; energy management opportunities; and project and financial management. **Note:** This is an online class. Students have the option of attending the recorded live webinar on date and time noted using Adobe Connect. To do such, students must have access to a computer, internet access, headset and webcam.

GRB 1300-01	R	1/24-5/17	9-11:50am	Online
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GREEN BUILDING MATERIALS

In this course, students learn how to take longevity, cost, performance, and environmental factors into account when making decisions about various building materials and products. This course covers both the selection and specification processes for green building materials. **Note:** This is an online class. Students have the option of attending the recorded live webinar on date and time noted using Adobe Connect. To do such, students must have access to a computer, internet access, headset and webcam.

GRB 1400-01	T	1/29-5/17	9-11:50am	Online
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CARE OF GREEN SPACES

In this course, students learn to make decisions about the design and maintenance of the green spaces incorporated in and around green buildings. Topics include site protection and restoration, materials and plant selection, sustainable water strategies, noise and light abatement, and maintenance of green spaces. **Note:** This is an online class. Students have the option of attending the recorded live webinar on date and time noted using Adobe Connect. To do such, students must have access to a computer, internet access, headset and webcam.

GRB 2400-01	W	1/23-5/17	9-11:50am	Online
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TROUBLESHOOTING GREEN BUILDING SYSTEMS

In this course, students apply their knowledge of sustainable building systems, energy management, renewable energy, green building materials, and other green building principles to analyze and solve specific problems related to building maintenance and management. Building assessment tools related to sustainable design, construction, operations, and maintenance are utilized.

GRB 2500-01		1/23-5/17	9-11:50am	Online
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GREEN HVAC

In this course, students learn the basic principles of heating, ventilation, and air conditioning (HVAC) systems in commercial buildings, with an emphasis on energy efficiency and renewable energy. Topics include heat loss calculations, fuels and combustion, waste heat recovery, and maintenance considerations for these systems. **Note:** This is an online class. Students have the option of attending the recorded live webinar on date and time noted using Adobe Connect. To do such, students must have access to a computer, internet access, headset and webcam.

GRB 2600-01	M	1/28-5/17	9-11:50am	Online
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