

BERKS CAREER AND
TECHNOLOGY CENTER

2020-2021

Continuing Education Evening Program Guide



CONTINUING EDUCATION DEPARTMENT

PHONE: 610-743-7630

WEBSITE: WWW.BERKSCAREER.COM

CONTINUING EDUCATION PROGRAM COORDINATOR: TAYLOR FEENEY

WELDING

WELDING - BASIC

Designed for the beginning welder, this course provides theory and hands-on lab instruction in Oxy-acetylene/plasma cutting and Shielded Metal Arc Welding (stick). Students cover the fundamental concepts, the welding process, welding terms, safety and tools. Tuition for the class includes a textbook, safety glasses, and welding gloves that will be provided to students at the first class meeting.

\$780.00

30 Hours (10 classes)

WELDING - INTERMEDIATE

The intermediate welding course provides additional theory and practice in the Shielded Metal Arc Welding process and custom instruction in one of the following areas; Shielded Metal Arc Welding (stick), Gas Metal Arc Welding (MIG), Gas Tungsten Arc Welding (TIG) or oxyacetylene welding. The course also covers the appropriate safety instruction, set-up, metal preparation and blueprint reading.

\$1,365

66 Hours (22 classes)

WELDING - ADVANCED

The advanced welding course is a continuation of the intermediate course and allows for additional hands-on practice in Shielded Metal Arc Welding, Gas Metal Arc Welding, Gas Tungsten Arc Welding and/or oxyacetylene welding. Students will have the opportunity to take the appropriate American Welding Society (AWS) certification test(s) in Shielded Metal Arc Welding and/or Gas Metal Arc Welding. Tuition does not include test cost.

\$1,500

75 Hours (25 classes)

SCHEDULE (West Campus; 6:00 p.m. - 9:00 p.m.):

Basic: 10/6/20 (TuTh)

Intermediate: 11/10/20 (TuTh)

Advanced: 1/26/21 (TuTh)

Please check www.BerksCareer.com for the most updated information, additional classes are always being added

CUSTOMIZED TRAINING FOR BUSINESS AND INDUSTRY

Customized Training Programs for business and industry can be provided upon request on location at local businesses or in the school's state-of-the-art labs. A partial list of popular business and industry training topics include the ones below:

- Industrial Maintenance & Electromechanical Technologies
- Welding
- Electronics
- Computerized Machining Technology & Precision Machining Technology
- Heating, Ventilation, Air Conditioning/Refrigeration

Ed2Go

The Continuing Education Department offers more than 300 online course offerings through our partner Ed2Go. Visit our website at www.ed2go.com/bctc and take courses from the comfort of your home or office at the times that are most convenient for you.

For more information on available Ed2Go courses, you may call:

1-877-221-5151



APPRENTICESHIP

A Registered Apprenticeship is a combination of structured on-the-job learning and related technical instruction. Apprenticeships offer a proven, structured, formalized method of training that combines classroom theory with-on-the-job practical hands-on experience. Students will attend classes two nights per week and will be required to complete 2,000 hours per year of on-the-job employment **with an employer who has a registered apprenticeship program.**

Apprenticeship programs are developed by private industry employers who sponsor their employees. Apprenticeships offer an excellent opportunity to advance in a chosen career. BerksCareer and Technology's role in registered apprenticeship programs is to provide the classroom training for employers that have an approved registered apprenticeship program with the state of Pennsylvania. Completion of the apprenticeship program provides the foundation to sit for the City of Reading Journeyman's License Exam in Electrical, HVAC and Plumbing. Registered Apprenticeship programs are approved for Veteran's benefits.

Campus location subject to change

ELECTRICAL APPRENTICESHIP (180 Hours)

4 Year Program

This program includes basic math, tools used in the trade, basic rigging, basic and advanced electrical theory, blueprint reading, fasteners and conduits, AC&DC theory, grounding, circuit breakers and fuses, residential, commercial and industrial wiring, electrical

motor controls, load and motor calculations, fire alarm systems and HVAC controls. Students will also study the National Electric Code and related materials in preparation for successful completion of the City of Reading License Exam.

Years: 1, 2

Start: 8/24/20

Monday & Wednesday

6:00 p.m. to 9:00 p.m.

**Location: West Campus
(Leesport)**

Tuition: \$2,142

Years 3, 4

Start: 8/25/20

Tuesday & Thursday

6:00 p.m. to 9:00 p.m.

Location: East Campus (Oley)

Tuition: \$2,142

PLUMBING APPRENTICESHIP (210 Hours)

4 Year Program

This program includes use of tools, plumbing math, blueprint reading, basic rigging, water heaters, drainage systems, waste systems, ventilation systems, heating systems and pumping systems. Also included are first aid and CPR training, as well as focus and discussion on the various codes related to the course content to prepare students for successful completion of the City of Reading Plumbing License Exam.

Years 1, 2, 3, 4

Start: 8/24/20

Tuesday & Thursday

6:00 p.m. to 9:00 p.m.

Location: East Campus (Oley)

Tuition: \$2,440

HVAC APPRENTICESHIP (195 Hours)

3 Year Program

This program includes basic safety, rigging, trade mathematics, blueprint reading, basic electricity, introduction to cooling and heating, installation practices, refrigeration and air conditioning, air movements, maintenance skills, compressors and heat pumps, hydronic systems, service and troubleshooting of systems. This program will also study Refrigerant Transition and Recovery and students will sit for the accompanying test. Includes focus on codes necessary for the successful completion of the City of Reading License Exam.

Year 1, 2, 3

Start:

Monday & Wednesday

6:00 p.m. to 9:00 p.m.

**Location: West Campus
(Leesport)**

Tuition: \$2,265

INDUSTRIAL MAINTENANCE APPRENTICESHIP YEAR 4 (162 Hours)

4 Year Program

This course is designed for those in business and industry responsible for equipment and industrial maintenance. The program includes blue prints and schematics, hydraulics and pneumatics, mechanical systems, electrical motors and controls, programmable logic controls, robotics, pumping systems and soldering.

Start: 8/24/20

Monday & Wednesday

6:00 p.m. to 9:00 p.m.

**Location: West Campus
(Leesport)**

Tuition: \$2,040

TRADE PREP COURSES

Plumbing – Trade Prep Certificate

This certificate program prepares individuals for employment in the plumbing trade of the building and construction industry. A combination of theory and practical instruction will provide individuals with the knowledge and skills that offer a foundation for a career in the plumbing profession. Students will become familiar with safety, tools, materials, blueprint reading, plumbing methods and codes that pertain to entry-level skills in the plumbing trade. Students will work with steel pipe, copper tubing, cast iron, PVC, and PEX to learn the proper methods of joining and adapting, and then perform project assignments to test their skills. Projects will consist of piping and installing complete systems in such a way so as to mimic actual on-the-job situations. Some of the projects include pipe and install a residential bathroom, water heating unit, laundry room plumbing and design, pipe and wire a heating zone from an oil-fired boiler. Students will also complete the OSHA Construction Safety ten-hour training.

180 Hours (60 classes)

Start: 9/15/20

Tuesday & Thursday

6:00 p.m. to 9:00 p.m.

Location: East Campus (Oley)

Tuition: \$3,850

Electronic Security Systems- Trade Prep Certificate

This certificate program prepares individuals with the knowledge and skills needed for entry level employment in the electronic security systems field. Skills such as knowledge on access control systems, fire alarm systems, intrusion detection, communications, VST Systems (Video Systems Technology) and wireless technology as it relates to the security industry. The curriculum offers theory and hands-on training of networking knowledge, computer skills, blue print and Schematic interpretation as well as operating hand and power tools. Students will also complete the OSHA Construction Safety 10-hour training and familiarization with area lift operation and safety.

180 Hours (60 classes)

Start: 9/14/20

Tuesday & Thursday

6:00 p.m. to 9:00 p.m.

Location: West Campus (Leesport)

Tuition: \$3,850

AUTOMOTIVE COURSES

Automotive Body Repair *

Learn how to make minor adjustments to doors, hoods, and moldings. There will also be instruction in repairing small dents, installing parts and moldings, using plastic fillers, preparing surfaces, applying primer-surfacer, and painting and striping.

30 Hours (10 classes)

6:00 p.m. to 9:00 p.m.

East Campus (Oley)

Tuition: \$635

Call for more info



CERTIFICATION COURSES

BCTC offers PennDOT-approved safety inspections and emissions inspection programs. Other certifications offered include OSHA-General Industry and Refrigerant Transition (EPA).

Refrigerant Recovery & Transition (EPA 608 Certification)

This course utilizes ACCA and Penn College of Technology curriculum materials to prepare technicians for the EPA Refrigerant Transition and Recovery Certification Examination. Each student receives a copy of the Refrigerant Transition and Recovery Certification Manual. Topics include: environmental impact of CFCs and HCFs, the changing industry outlook, recovery techniques, shipping, laws and regulations, leak detection, safety and disposal. CALL FOR MORE INFO.

20 Hours (5 classes)
Course Fee: \$325.00

PA Safety Inspection Mechanic (Certification)

Pennsylvania Safety Inspection Mechanic training program and test is required in order for technicians to receive their state inspection license in categories 1 (Passenger cars/trucks 17,000 lbs. or less/trailers 10,000 lbs. or less), 2 (Motorcycles), or 3 (trucks over 17,000 lbs./ trailers over 10,000 lbs./buses). This course includes a 4-hour tools class that provides instruction in the hands-on use of measuring tools used for the state inspection. It is recommended that applicants have an understanding of basic auto mechanics, including brakes and alignment, to succeed in this program. The tactile test is

administered individually within 30 days of the last class. Fee includes book and test in one category. Additional categories are \$40 each with the exception of trucks which is a total of \$80. Call 610-743-7630 to receive the MV409 application, or download the application from our website: www.berkscareer.com

16 Hours (4 classes)
Students must be present for all 16 hours.

Course fee: \$190
CAT 1: \$40 CAT 2: \$40, CAT 3: \$80
Retest Fee: \$40

PA Enhanced CAT 4 (Certification) Safety Inspection Mechanic –

Category 4 encompasses the Enhanced Vehicle Safety Inspector (EVS) and Certified Document Reviewer (CDR) designations for state-approved vehicle inspection locations. This includes new procedures and requirements for the inspection and titling of vehicles requiring a branded title (re-constructed, specially-constructed, modified, flood, recovered theft, collectible vehicles and street rods). This course includes review and testing to become either an Enhanced Vehicle Safety Inspector (EVS) or a Certified Document Reviewer (CDR). Students must come prepared by reading the self-study manual prior to class. The Pub 45 manual is available for download at PennDOT's website. Call 610-743-7630 to receive the MV409S application or download the application from our website: www.berkscareer.com. Course Fee: \$100.00

PA Vehicle Emissions Inspector (Certification)

This training program is mandated by the PA Department of Transportation for all inspectors and automotive repair technicians. To obtain the MV501 application please visit PennDot.com or download the application from our website: www.berkscareer.com.

Course Fee: \$80
Retest Fee: \$20

An additional fee MUST be paid to PennDot prior to the beginning of class for \$39.99 this fee is for your study materials and tests.
8 Hours (2 classes) Students must be present for all 8 hours.

Schedule:

Safety Inspection Class West Campus:

September: 14, 16, 21, 23
October: 19, 21, 26, 28
November: 9, 11, 16, 18
March: 1, 3, 8, 10

PA Enhanced CAT 4 West Campus:

September: 8

Safety Inspection Class East Campus:

December 1, 3, 8, 10
January: 5, 7, 12, 14
February: 2, 4, 9, 11

PA Enhanced CAT 4 East Campus:

March: 2

Emissions Class East Campus:

September: 22, 29
November: 3, 10
March: 2, 9
May: 4, 11

TRADE PREP COURSES

Carpentry - Trade Prep Certificate

This certificate program prepares individuals for employment in the carpentry trade of the building and construction industry. A combination of theory and practical instruction will provide individuals with the knowledge and skills that offer a foundation for a career in the carpentry profession. This course provides instruction in construction safety, blueprint reading, hand and power tool use, materials, ladders and scaffolding, foundations, floor, wall and roof framing, roof materials, exterior finishes, and interior finishes and trim. Students will have the opportunity to demonstrate skills in live work projects. Students will also complete the OSHA Construction Safety 10-hour training.

180 Hours (60 classes)

Start: 9/15/20

Tuesday & Thursday

6:00 p.m. to 9:00 p.m.

East Campus (Oley)

Tuition: \$3,850

Electrical - Trade Prep Certificate

This certificate program prepares individuals with the knowledge and skills needed for employment in the residential electrical trade. The curriculum offers a basic framework of electrical theory and code and provides the hands-on skills needed to install, service and maintain electrical equipment in residential settings. Class includes instruction on electrical safety, trade tools, electrical theory, blueprint reading, common residential wiring installations, wiring alterations and additions to existing structures, troubleshooting and repairing residential service, determining circuit load calculations and NEC Code compliance. Students will also complete the OSHA Construction Safety 10-hour training.

180 Hours (60 classes)

Start: 9/14/20

Monday & Wednesday

6:00 p.m. to 9:00 p.m.

West Campus (Leesport)

Tuition: \$3,850

HVAC/R - Trade Prep Certificate

This certificate program prepares individuals with the knowledge and skills needed for employment in the HVAC trade. This course provides instruction in safety, basic piping systems, tools, copper pipe soldering and brazing methods, refrigerant management, heat pumps, air conditioning, natural gas and oil heating systems, heat loads and ductwork. Students will receive hands-on instruction in the proper use of tools to install, service and properly size HVAC systems in residential and light commercial buildings. Students will have the opportunity to earn industry certifications including OSHA Construction Safety Certification and the Refrigerant Transition and Recovery Certification.

180 Hours (60 classes)

Start: 9/15/20

Tuesday & Thursday

6:00 p.m. to 9:00 p.m.

Location: East Campus (Oley)

Tuition: \$3,850

MACHINING COURSES

Machining Introduction

Machinists use machine tools to modify metal, plastic, and composite materials to produce finished products. Students are introduced to basic machining concepts including math, blueprint reading, measuring, safety and materials. This theory course prepares students for an entry level machining position and prepares students to take the NIMS level 1 measurement, materials, safety; benchwork and layout; and drill press certifications.

60 Hours (20 classes)

Start: 8/24/20

Monday & Wednesday

6:00 p.m. to 9:00 p.m.

Location: West Campus (Leesport)

Tuition: \$725

Machining-Milling *

In this course the students continue learning more in-depth levels of math, blueprint reading, and safety. This course provides machinists with in-depth theory and hands-on practice in milling. This course is ideal for an entry-level machinist to improve skill level and increase productivity and prepares students to take the NIMS level 1 milling certification.

90 Hours (30 classes)

6:00 p.m. to 9:00 p.m.

Location: West Campus (Leesport)

Tuition: \$1,600

Machining-Turning *

In this course the students continue learning more in-depth levels of math, blueprint reading, and safety. This course provides machinists with in-depth theory and hands-on practice in turning. This course is ideal for an entry-level machinist to improve skill level and increase productivity and prepares students to take the NIMS level 1 turning and chucking certification.

90 Hours (30 classes)

6:00 p.m. to 9:00 p.m.

Location: West Campus (Leesport)

Tuition: \$1,600

Machining-CNC Milling *

This is an advanced CNC milling course. Program deliverables will focus on programming, set-up, operation and preventative maintenance of CNC mills. This course is ideal for an employee currently working as a machinist and is looking to increase their skill level and productivity. Students will be prepared to take the NIMS level 1 CNC milling, programming and set-up certification. Prerequisite: Machining Introduction, Machining Milling, or employer verification that the student possesses these skills.

60 Hours (20 classes)

6:00 p.m. to 9:00 p.m.

Location: West Campus (Leesport)

Tuition: \$1,100

Machining-CNC Turning *

This is an advanced CNC turning course. Program deliverables will focus on programming, set-up, operation and preventative maintenance of CNC lathes. This course is ideal for an employee currently working as a machinist and is looking to increase their skill level and productivity. Students will be prepared to take the NIMS level 1 CNC turning programming, and set-up certification. Prerequisite: Machining Introduction and Turning, Machining Turning, or employer verification that the student possesses these skills.

60 Hours (20 classes)

6:00 p.m. to 9:00 p.m.

Location: West Campus (Leesport)

Tuition: \$1,100

Call for more info

Berks Career & Technology Center



Berks Career and Technology Center will not discriminate in its employment practices or its educational programs and activities on the basis of race, color, age, creed, religion, gender, sex, sexual orientation, ancestry, domicile, veterans status, national origin, marital status, pregnancy, handicap/disability or genetic information or any other legally protected characteristics in its admission procedures, educational programs, and activities or employment practices, as required by the Pennsylvania School Code and related regulations, ADA, Title VI, Title IX, and section 504 and will provide equal access to the Boy Scouts, Girl Scouts, and other designated youth groups. Students are encouraged to consider enrolling in career programs non-traditional to their gender. Berks Career and Technology Center will take steps to assure that the lack of English language skills will not be a barrier to admission and participation in career and technical education programs and will make reasonable accommodations for those with disabilities. Furthermore, harassment in any form, including bullying, by an individual will not be tolerated. All policies, regulations, and practices, of BCTC shall be guided by this statement. Inquires regarding compliance with Title IX, Section 504, or Title VI should be directed to the Office of the Administrative Director at 1057 County Road, Leesport, PA 19533, 610-374-4073.

El Centro de Carreras y Tecnología de Berks tomará medidas para garantizar que la falta de habilidades en el idioma inglés no sea una barrera para la admisión y participación en programas de educación profesional y técnica, y hará adaptaciones razonables para las personas con discapacidades. Además, no se tolerará el acoso en ninguna forma, incluida la intimidación, por parte de un individuo. Todas las políticas, regulaciones y prácticas de BCTC se guiarán por esta declaración. Las consultas sobre el cumplimiento del Título IX, la Sección 504 o el Título VI deben dirigirse a la Oficina del Director Administrativo en 1057 County Road, Leesport, PA 19533, 610-374-4073.