

### Logistics & Materials Management

Provides practical experience in receiving, shipping, handling, recording, storing of supplies and materials for all departments of the technical school. Distribution, logistics and transportation are taught.



and

#### Related Occupations

Shipping/Receiving Forklift Operator  
Sales Representative Warehouse Mgr.  
Inventory Specialist Marketing Manager

### Machine Tool Technology

This program includes machine tool programming/operation, trade theory, and blue print reading in a state-of-the-art machine shop. Higher achieving students have been awarded machinists apprenticeships.



#### Related Occupations

Assembler/Inspector Millwright  
Tool & Die Maker Machinist  
CNC Set-Up Person Machine Repair

### Masonry/Bricklaying

Masons are individuals who lay building materials to construct or repair walls, fireplaces, stonework, concrete, and block and brick structures.



This program provides the student with skills and knowledge for entry-level employment.

#### Related Occupations

Bricklayer Stonemason  
Cement Finisher Laborer  
Construction Supervisor Union Bricklayer

### Plumbing & Heating

A technician installs, services, and repairs equipment necessary to control water purity and temperature comfort. Salaries range from \$35,000 to \$100,000 per year with job growth expected to increase more than twenty-two percent.



#### Related Occupations

Pipefitter Technician Plumber Technician  
Plumber Assistant Electric Heat Tech  
Gas Appliance Tech Sales

### Veterinary Assistant

Students will be able to assist veterinarians in the many areas involving the care of animal patients. The students will learn to work as part of a team, to respect one another as well as the animals in the classroom, and to communicate effectively using proper terminology and self-confidence.



#### Related Occupations

First Aid Handling Animals  
Animal Anatomy Treating Diseases

### Welding

Students learn all aspects of fusing metal together by the use of heat and fluxing materials. Instruction is given in the use/maintenance/repair of welding equipment. Blue-print reading is also taught throughout the two years.



#### Related Occupations

Nuclear Welding Burner  
Ship Builder Fitter  
Ironworker Pipefitter

### Cooperative Education

A student is eligible for the Cooperative Education Program after completing one year of classroom instruction, but must be recommended by their teacher. Program selection is based on the student's attendance, subject knowledge, and skill competency. Job placement must be directly related to the student's career objective.

#### CTC Student Organizations

##### AWS – American Welding Society

The AWS helps to set standards in welding procedures, welding supplies, qualifications for welders, inspection procedures and standards of education in the welding field.

##### DECA – Distributive Education Clubs of America –

This organization enhances the co-curricular education of students with interests in marketing, management, and entrepreneurship.

##### FBLA – Future Business Leaders of America –

FBLA's mission provides innovative leadership development programs to bring business and education together in a positive working relationship.

##### FCCLA – Family, Career and Community Leaders of America –

This organization's mission is to promote personal growth and leadership development through family and consumer education.

##### FFA – Future Farmers of America –

This club's mission makes a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education.

##### NHBA (BAMP) – National Home Builders Association

Each chapter is sponsored by a local or state Home Builders Association (HBA). Students participate in field trips, internships, and community projects.

##### SkillsUSA – SkillsUSA

SkillsUSA is a national non-profit student organization that serves students enrolled in career and technical education training programs in our nation's public high schools and colleges.



## Program of Studies

- \*Automotive Technology
- \*Business Information Systems
- \*Carpentry
- \*Collision Repair Technology
- \*Commercial Art & Design
- \*Cooperative Education
- \*Cosmetology
- \*Culinary Arts
- \*Electrical Occupations
- \*Graphic Arts & Printing
- \*Greenhouse/Landscaping
- \*Health Occupations
- \*HVAC-R
- \*Logistics & Materials Management
- \*Machine Tool Technology
- \*Masonry/Bricklaying
- \*Plumbing & Heating
- \*Veterinary Assistant
- \*Welding

*\*Students can receive 24 advanced standing credits from CCBC for an Associate Degree...Ask about our schools that offer advanced standing credits.*

Visit our website: [www.bccctc.org](http://www.bccctc.org)

*The Beaver County CTC is an equal opportunity education institution and will not discriminate on the basis of race, color, national origin, sex and handicap in its activities, programs, or employment practices as required by Title VI, Title IX, and Section 504. For information regarding civil rights, grievance procedures or services, activities, and facilities, that are accessible to and usable by handicapped persons, contact Mrs. Denise A. Kempa, Title IX and Section 504 Coordinator, at 145 Poplar Avenue, Monaca, PA 15061, or telephone (724) 728-5800.*

### Automotive Technology

Program provides a systems approach to all aspects of automobile and light truck maintenance and repair. Emphasis is on engine repair/performance, steering and suspension, and brake systems. Seniors may receive the PA Safety Inspection Certification.



#### Related Occupations

Small Gas Engine Mechanic  
Garage Owner  
Service Station Manager

### Business Information Systems

Prepares students to operate/utilize computer software for solving business related problems. The computer lab has the most current software, PC hardware, notebook computers, PDA's, printer, scanners, and digital cameras.



#### Related Occupations

Spreadsheet Analyst    Desktop Publisher  
Word Proc. Supervisor    Database Admin.  
Multimedia Designer    Website Designer

### Carpentry

Students will learn layout, fabrication, assembly, installation and repair to structures. Instruction in power tools and hand tools and equipment used in frame construction will be given.



#### Related Occupations

Cabinet Maker    Framing Carpenter  
Roofer    Painter  
Patternmaker    Building Inspector

### Collision Repair Technology

Prepares students for entry level employment in the Collision Repair field. Training involves safety, mig-welding, plasma cutting, using torches, body/ fender repair, hand/power tools/jacks.



#### Related Occupations

Adjuster    Service Mgmt.  
Glass Installer    Sheet Metal Worker  
Refinishing/Custom Refinishing

### Commercial Art

Students are taught basic skills and developmental techniques. This class is geared for advertising artists, computer graphics, air brush, illustration, drawing, fashion, painting, and desktop publishing.



#### Related Occupations

Silkscreen Artist    Designer  
Multi-Media Animator    Signage  
Illustrators    Cartoonist

### Cosmetology

This is a three-year program designed to train students in the beautification of hair, skin, and nails. Facials and massaging are also taught. All salon functions are taught in preparation for State Board Licensing upon graduation.



#### Related Occupations

Manicurist    Beauty School Instructor  
Hair Stylist    State Board Inspector  
Salon Owner    Vocational Instructor

### Culinary Arts

Culinary Arts students learn to cook gourmet meals wait on tables, and the proper storage of food. They also learn the proper cleaning techniques needed to maintain a safe and sanitary kitchen. The BCCTC has an operational restaurant where students can practice their food service skills.



#### Related Occupations

Waiter/Waitress    Food Sales  
Cafeteria Worker Chef/Cook  
Kitchen Inspector    Baker

### Electrical Occupations

Students receive a broad background in residential, commercial, and industrial wiring. Instruction for proper use of specialty tools is provided.



#### Related Occupations

Electrical Inspector    Electrician  
Cable TV Installer    Linesman  
Appliance Repair Elec. Maintenance

### Graphic Arts & Design

The five phases of graphic art are: design and desktop publishing, photography, pre-press, press operation, and finishing procedures. Items created in this department are books, magazines, business/greeting cards, newspapers, tickets, invitations, and catalogs.



#### Related Occupations

Graphic Designer    Photographer  
Offset Press Operator    Binding Work  
Desktop Publisher    Film/Darkroom

### Greenhouse/Landscaping

Students grow and sell a variety of plants, flowers, and vegetables in the greenhouse. They also landscape the CTC grounds using tractors and mowers. The FFA (Future Farmers of America) Club is available for students to join/participate.



#### Related Occupations

Greenhouse Owner    Farmer  
Lawn Technician    Nursery Worker  
Landscaper    Florist

### Health Occupations

Students completing the Nurse Aide Program are eligible to take the PA Nurse Aide Competency exam listed on the PA Nurse Aide Registry. Students receive 105 hours of clinical experience. They may also take the Home Care Certification Exam.



#### Related Occupations

Nurse Aide, Home Care Aide,  
Registered Nurse,  
Dental Assistant, Clinical Technologist, LPN

### HVAC-R

A technician installs, services, and repairs equipment used to control circulation, moisture and purity of air. Salaries range from \$35,000 to \$100,000 a year with a 22 percent job growth expected.



#### Related Occupations

A/C Service Tech    A/C Refrig. Sales  
Bldg. Maintenance    A/C Cond. Installer  
Appliance Tech    Refrig. Mechanic