Community College of Allegheny County
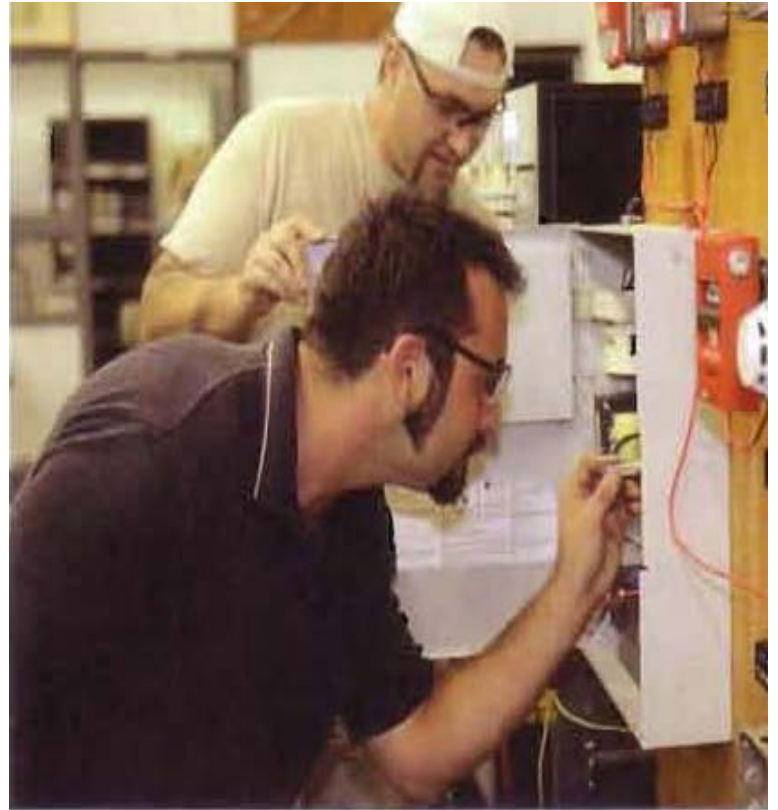
Careers in Trades and Apprenticeships

Basic Electronics Certificate Program

Basic Electronics Certificate program prepares students for an entry-level position in the field of electronics by providing a basic understanding of concepts, terminology and common tools and instruments used in electronics. The program features a balance between theory and practical applications through both computer simulation and real world circuitry.

The Basic Electronics program provides the opportunity for national certification in electronic fabrication and soldering of electronic circuits. Students will acquire skills in:

- using multimeters, oscilloscopes, power supplies and signal generators for testing and troubleshooting
- thorough-hole and surface mount soldering and assembly
- using electronic software, such as circuits and system simulation
- electronic measurement, circuits, and microcontrollers, and
- transistor and integrated circuit electronics

Upon completion of this program, graduates may seek employment in the areas of technical sales or component and unit testing with titles such as assembler, technician or engineering assistant.

Certificate Requirements – First Semester

Course	Credits
EET 103 - Introduction to Electronics	3
EGR 100 - Engineering Seminar	1
MIT 107 - Electronic Fabrication	3
SET 100 - Intro to Engineering Technology	3
SET 105 - Technical Computing	3
Total: 13 credits	

Certificate Requirements – Second Semester

Course	Credits
EET 201 - Electronics 1	4
EET 213 - Electronic Instruments	4
MIT 103 - Fundamentals of Microprocessors	3
MIT 208 - Digital Electronics	3
Total: 14 credits	
Course Total: 27 credits	

Eligible for PELL and PHEAA Funding

For more information on the Basic Electronics Certificate Program or to pre-register for the program, call the Keystone Community Education Council at (814) 677-4427

Class size is limited. Call to reserve your seat today for this exciting program.

The Basic Electronics Certificate Program is being offered through a partnership with Keystone Community Education Council, Community College of Allegheny County, local Career and Technical Centers, and ARC

KEYSTONE COMMUNITY EDUCATION COUNCIL
Serving Clarion, Crawford, Mercer, and Venango Counties and Surrounding Areas

CCAC
Community College of Allegheny County

ARC
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We're More than You Know

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