

CONNELLSVILLE AREA CAREER & TECHNICAL CENTER

720 LOCUST ST. CONNELLSVILLE, PA. 15425 WWW.CASDFALCONS.ORG 724-626-0236

ELECTRONICS TECHNOLOGY INSTRUCTOR: MR. JOHN HAMMAN

Electronics Technology

Communication is Key

Necessary Skills:

- Complex Problem Solving
- Reading Comprehension
- Time Management
- Active Listening
- Critical Thinking
- Speaking
- Coordination
- Operations Analysis
- Writing
- Monitoring

JOB DEMANDS

Working in Electronics is not for everyone.

Many electrical and electronics technicians work on factory floors and often have to deal with troubleshooting and engineering. During installation and repair procedures technicians may have to do work overtime hours. Most electronic technicians work at least 40 hours per week. They need to work well as a part of a team. They should have an aptitude for mathematics and science and be detailed oriented.



Keeping America Online!

Electronic technicians help design, develop, manufacture, test, repair, and install electronic equipment. An electronic technician applies principles and theories of electronics, engineering, electrical circuitry, and mathematics.

Electronic technicians usually perform a wide array of tasks, depending on the needs of the employer. They are often employed in companies that use electricity to power machinery.

Electric power companies also employ electronic technicians since they use electronic equipment to operate and control generating facilities, for monitoring equipment and for substations.

Work & Wages

Electronics Technician:

\$7-24/hr

Highly skilled Electronic Techs are sought by numerous employers in Southwest Pennsylvania!

Sources: bls.gov

cwds.state.pa.us

Program of Study advantage:

By completing all of your task list and NOCTI tests, you will be eligible to receive Articulated Credits (college credit for CTC classes) toward your Associates Degree—saving you time and \$\$\$!

Take the Right Academic Classes !

Math

Algebra I
Algebra II
Geometry
College Prep Math (recommended)

English

College Prep English I
College Prep English II
College Prep English III
College Prep English IV

Science

Biology
Chemistry
Physics

Humanities

Civics
U.S. History
World History

Electronics Technology
CIP #15.0399

Articulation Agreements with post-secondary schools are being developed for this program. Program completers will have the opportunity to obtain college credits for work done while in this program.

Westmoreland County Community College
(pending)



Notice of Non-Discrimination
The Connellsville Area School District is an equal opportunity employer and educational institution and will not discriminate on the basis of race, color, national origin, sex, disability or age in its activities, programs or employment practices as required by Title VI, Title IX and Section 504. Inquiries or grievances should be directed to Karen Marko 724-628-3300

Clothing Requirements:

1st year: According to school dress code (First day of school)

2nd year: According to school dress code (First day of school)

3rd year: According to school dress code (First day of school)

Certifications:

NOCTI: Pa Skills Certificate—Electronics
* (National Occupational Competency Test)

Student Organization:

Skills USA

**Electronics Technology
Task List**

1st Year (360 Hours)	2nd Year (360 Hours)	3rd Year (360 Hours)
Safety (30)	Safety (20)	Basic Digital Electronics (130)
Electrical Theory/Components (95)	Review Circuits/Test Equipment (30)	Electronic Communications (30)
Soldering / Desoldering (25)	Series/Parallel Circuits (40)	Understanding Audio and Video Systems (40)
Electrical Circuits/Ohms Law (25)	AC theory/Oscilloscope (80)	Troubleshooting (40)
Intro to Robotics (30)	Transformers (60)	Technician Work Procedures (40)
Test Equipment/measuring (40)	Power Supplies (80)	Resume/Job preparedness/Post secondary Ed (80)
Intro to AC Electronics (40)	Robotics II (50)	