



**MON VALLEY**  
CAREER & TECHNOLOGY CENTER

# Electrical Power Technology



The Electrical Power Technology career pathway is a 3-year program that offers hands-on application, state-of-the-art technologies, and individualized curriculum.

## Curriculum Highlights:

Design, install, trouble shoot and test residential, commercial and industrial electrical apparatus and electrical circuits. Also, train in entry-level powerline safety, utility pole climbing and underground utilities.

## Gain real-life experience working on:

- In house electrical issues
- Routine maintenance throughout the school
- Live work projects

## Second & Third Years

- Individualized instruction
- Industry certification
- Utility pole safety and climbing
- Motor control design

## Equipment Used:

- Classroom Surface Laptops
- Virtual motor control circuit design
- Delmars Industrial Motor Control

## Career Focus:

You will be trained to enter an entry level position as a construction electrician or maintenance electrician. You will also be prepared to enter into post-secondary education with already earned credits through articulation agreements from several schools. Lastly, you will have an advantage to enter the Power Systems Institute through FirstEnergy as a lineman.

For More Information Please Visit Our Web Site:

# WWW.MONVALLEYCTC.ORG

**This program is a 3-year program. You must complete 2-3 full years of the program along with scoring proficient or advanced on the NOCTI exam to receive a certificate of completion.**

## **Additional Benefits:**

- Participate in job shadowing, internships and paid employment
- Opportunities to compete regionally and nationally in SkillsUSA
- You will leave MVCTC with entry level electrical skills to enter employment upon graduation
- You may qualify for scholarship opportunities

Campus Location	5 Guttman Ave. Charleroi, PA
Grade Levels	Sophomores, Juniors and Seniors
Fees (subject to change)	N/A for Electrical Power Technology
Organizations, Affiliations or CTSO	SkillsUSA, FirstEnergy, IBEW
College Connections	Rosedale Technical College Triangle Tech Laurel Business Institute Pittsburgh Technical College
NOCTI Credit	Earn up to 3 credits
Industry Certifications	O.S.H.A 10 HR NCCER
Technology Integration	Classroom surface laptops Virtual motor control circuit design Delmars Industrial Motor Control

**Instructor:**  
**Tom Porterfield**

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This document is provided to you as an overview of the Mon Valley Career & Technology Center program. The information is not intended to be a binding contract and is subject to change at any time. For more information or clarifications, please see the program instructor.



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