



ELECTRICAL TECH



PROGRAM HIGHLIGHTS

- Interpret industry codes to install and maintain electrical wiring circuits for residential, commercial and industrial systems
- Design, install and maintain alternating power systems
- Design, install and maintain low voltage systems including camera, security systems and SMART technologies applications

FACILITY AND EQUIPMENT STUDENTS WILL USE

- Electrician hand tools
- Power drills
- Meters
- Power and hand threaders
- Electric panels
- Motors
- Motor control devices
- Programmable controllers
- Wind turbines
- Solar power
- Fuel cells

PARTNERING EMPLOYERS

- MTD
- IBEW (International Brotherhood of Electrical Workers)
- Sattelight Electric, Inc.
- Berry Global Group Inc. (formerly Berry Plastics)

CAREER PATHS

- Construction Electrician in residential, commercial & industrial work
- Security Installer/Programmer
- Maintenance Electrician
- Cable TV Service and Lineman
- Programmable Controller Technician
- Wind Turbine Installer
- Solar Technologies Technician
- 1 year advanced placement in NCCER apprenticeship program

POTENTIAL CERTIFICATIONS/ LICENSURE

- OSHA 10-Hour Construction
- NCCER Core
- NCCER Electrical Level 1

Bilateral Articulation Agreements

Students can earn college credit through specific post-secondary institutions by passing high school career tech courses.



| Course Name | College Credits |
|------------------------|-----------------|
| Industrial Electricity | |
| Electricity I | 3 |
| Safety | 1 |

| Course Name | College Credits |
|--|-----------------|
| Construction Management-Commercial and Residential Electricity | |
| NCCER Level 1: Electrical Trades | 6 |
| Construction Management Elective | 3 |