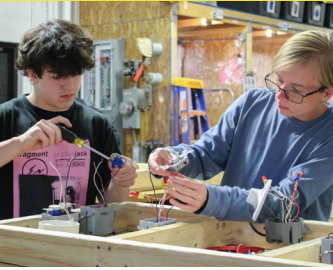
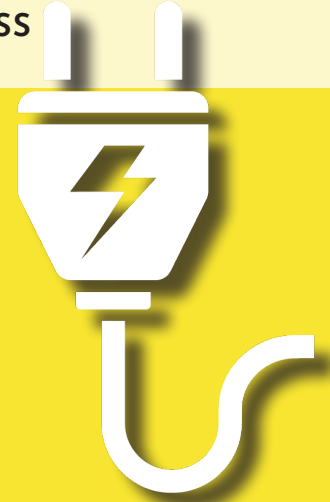


RESIDENTIAL AND COMMERCIAL ELECTRICAL

Flip on the switch to your future and be wired for success

Brighten your future with the skills of an electrician and illuminate your path from novice to expert. Get plugged into electrical fundamentals and code. Spark your knowledge of wiring, grounding and advanced techniques. Electrify your future in installations and layouts. Equip yourself with the skills to light up homes and businesses, handle emergencies, and explore alternative energy sources.



What You Can LEARN

Units of Study

- Electrical Fundamentals
- Introduction to The National Electrical Code
- Conductor Properties
- Basic Wiring Methods
- Basic Electrical Installations/ Grounding
- Emergency Power
- Electrical Planning
- Specialized Electrical Installations
- Professional Techniques for Electricians
- Advanced Wiring Methods
- Advanced Electrical Installations/Grounding
- Advanced Branch Circuits and Feeders
- Transformers
- Basic Motor Control
- Alternative Energy-Wind/Solar



What You Can EARN

Available High School Academic Credits

At district request, students may earn:

- English
- Science

Licensing/Industry-Based Certifications

Students have opportunities to earn:

- OSHA 10 Construction Industry

Work-Based Learning

Organizations that support this program:

- Citygate Electric
- CM Armitage
- Horizon Solutions
- Monroe 2 BOCES Operations and Maintenance
- RADEC Corporation



Where You Can GO

Career Opportunities

Minimal Requirement Beyond CTE

- Electrician Helper

Additional Education and/or Experience

- Electrician
- Electrical Inspector
- Electrical Contractor
- Engineer

Postsecondary Pathways

Dual Enrollment

- Monroe Community College
 - System Electricity (ELT130)

Articulation Agreements

- Alfred State

Now You Can KNOW

According to the Bureau of Labor Statistics, employment of electricians is projected to grow 10% from 2018 to 2028.



Monroe 2-Orleans BOCES Career and Technical Education

WEMOCO Career and Technical Education Center

3589 Big Ridge Road, Spencerport, NY 14559

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