



CONSTRUCTION ELECTRICITY

The Construction Electricity program prepares students for a rewarding career as an electrician. Skills learned in the lab include proper safety precautions, the use of tools, residential wiring, service entrance installation commercial wiring, motor control circuits and troubleshooting. In the related class, students learn electrical theory, electrical math, blueprint reading and calculating loads and service requirements. Students will become familiar with the National Electrical Code.

Curriculum

- DC electric circuits
- Read blueprints and electrical layouts
- Practice electrical safety procedures
- Install residential and commercial wiring
- Use electrical test equipment
- Lay out and install circuits
- Install electrical devices
- Troubleshoot electrical circuitry on machines
- Install motor controls
- Wire motor control/safety device circuits
- Understand programmable controller principles
- Understand principles of computer controls

Students may have the opportunity to earn college credits in this program.

Some Employment Opportunities

- General Electrician
- Construction Technician
- Electric Company Repairman
- Electric-Mechanical Technician
- Industrial Electrician
- Maintenance Electrician
- Electrical Sales Contractor
- Telephone System Installer

Facilities and Equipment

Students learn in our newly renovated classroom and lab.



Certification*

- NCCER or IBEW Credentials
- OSHA 10 Certification
- Heartsaver CPR, AED and First Aid

**Students who meet certification criteria will have the opportunity to test in their CT program.*

***This is a new and developing program; therefore, the above program information is subject to change.*



Visit mcjvs.edu for more information about our Construction Electricity program.