The electrical technician courses prepare students for tasks such as reading blueprints and technical diagrams to connecting wires, circuit breakers, outlets and various other components.

This program provides students with the knowledge and skills of adding, replacing and connecting electrical systems in a variety of conditions. At all times on the job, electricians are required to adhere to safety rules and guidelines. Those with careful eye for detail, good work habits, and great work judgement might consider becoming electricians.

What are the classes about?
• Learn to install, maintain, repair and replace electrical components
• Instruction on electrical system maintenance, and can teach you what’s involved in setting up an electrical system
• Learn different wiring methods, electrical theory, how to draw and read wiring diagrams
• Working with your hands and mechanical equipment
• Working carefully and safely

What skills will students learn?
• Electrical students learn to use basic hand tools, hand benders, hydraulic benders, pipe threaders, and power tools commonly used by electricians
• Students also use computers to do research for various electrical projects throughout the year
• Learn to draw, lay out and wire entire rooms, configure and size electrical service and circuits for residential homes, fire alarm systems, security systems, motor controllers, and transformers

Students will also perform several “hands-on” activities including selecting and installing various electrical devices, bending and installing conduit, wiring motor controls and soldering electronic circuits. Academic work in class will include: locating and reading for information in the National Electrical Code, participating in local, state and national competitions through Skills USA.

What Certifications are available?
• NCCER - National Center for Construction Education and Research Core and Electrical Level 1
• WV Electricians license Apprentice & Journeyman
• SNAP-ON 504 Meter Certification

What jobs/job titles are available to the students after graduation?
• Apprentice Electrician
• Maintenance Electrician
• Journeyman Electrician
• Electrician Technician
• Electrician helper
• Industrial Electrician
• Control Electrician
• Cable Puller
• Electrician
• Inside Wireman

What work skills will be needed for these jobs?
• Mathematical
• Ability to read technical material
• Strong communication and reading
• Careful
• Hand/Eye Coordination
• Logical thinker

What skills should a student have to be successful in your program?
Students need to have good math, reading and communication skills. Students will also need to be drug free.
OUR VISION: START HERE...
To equip students with essential occupational skills.

OUR MISSION: ...SUCCEED ANYWHERE
To produce career and college ready graduates who will thrive in the modern economy.