

Program Description

From basic residential power for lighting and appliances to complex industrial requirements, electricity is at the heart of nearly every aspect of our lives. Professionals who understand electricity can play an essential role in ensuring the safe, reliable, and efficient operation of electrical systems.

The Electrical Systems Technology Certificate Program provides comprehensive training in the core principles of electrical equipment and components used in industrial, commercial, and residential systems. Students can acquire the skills needed to identify various electrical equipment, grasp their operational theories, and perform maintenance tasks on components within electrical systems. This certificate will cover troubleshooting techniques, the ability to read electrical schematics, interpret technical manuals, and become adept at both preventive and corrective maintenance of electrical systems equipment. Additionally, we will help you hone your soft skills to aid in your professional development.

Course #	Course Requirements	Clock Hours	Credit Hours
ORN120	Fundamentals of Technology	100	4
ELC122	Basic Electricity and Circuits	100	4
ELC123	Intermediate Electricity and Schematics	100	4
ELC127	Structural Wiring	100	4
ELC235	Electrical Motors and Drive Controls	100	4
ELC250	Advanced Energy Systems	100	4
Total		600	24

- Students attend class four days per week on various schedules
- Program length is approximately 7 months (including breaks and holidays) - all schedules
- At the successful completion of the program, the student will receive a Certificate in Electrical Systems Technology