



Course Description

BCV0652 | Commercial Electrician | 15.00 credits

The Commercial Electrician course is designed to equip students with the knowledge and skills required for success in the commercial electrical industry. Participants will delve into various aspects of commercial electrical work, including installation, maintenance, and troubleshooting of electrical systems commonly found in commercial settings. The curriculum covers topics such as electrical codes and regulations, safety protocols, blueprint reading, wiring techniques, and utilization of specialized tools and equipment. Through hands-on training and practical exercises, students will develop proficiency in installing and servicing electrical systems in commercial buildings, preparing them for rewarding careers as commercial electricians.

Course Competencies

Competency 1: The student will demonstrate proficiency in the installation, maintenance, and troubleshooting of electrical systems commonly used in commercial settings by:

1. Installing electrical systems according to industry standards and electrical codes to ensure safety and compliance
2. Performing routine maintenance on commercial electrical systems to enhance reliability and prevent unexpected failures
3. Troubleshooting electrical issues effectively to identify and rectify faults in commercial electrical systems

Competency 2: The student will acquire a comprehensive understanding of electrical codes, regulations, and safety protocols essential for working in the commercial electrical industry by:

1. Analyzing and interpreting electrical codes and regulations to ensure compliance during installation and maintenance tasks
2. Implementing safety protocols in all electrical work minimizes risks and ensures a safe working environment
3. Evaluating safety measures and practices to enhance overall job site safety for commercial electrical projects

Competency 3: The student will develop the skills necessary to read blueprints and apply effective wiring techniques in commercial electrical installations by:

1. Examining and interpreting blueprints and schematics accurately to understand project specifications and requirements
2. Applying various wiring techniques to achieve efficient and effective electrical installations in commercial buildings
3. Utilizing specialized tools and equipment to enhance the quality and efficiency of electrical work in commercial settings

Learning Outcomes:

1. Use quantitative analytical skills to evaluate and process numerical data
2. Solve problems using critical and creative thinking and scientific reasoning
3. Formulate strategies to locate, evaluate, and apply information