



Course Description

BCV0482 | Facilities Maintenance Technician 2 | 6.00 credits

The Facilities Maintenance course equips students with essential skills in small engine repair, appliance installation and repair, finish electrical work, and finish plumbing. Through hands-on training and theoretical instruction, students will learn to diagnose, troubleshoot, and repair small engines efficiently. They will also gain proficiency in installing and repairing various household appliances, ensuring functionality and safety. Additionally, students will develop expertise in finish electrical and plumbing tasks, including wiring, fixture installation, and pipe fitting. By the end of the course, participants will be well-prepared for careers in maintenance, repair, or related fields, with practical knowledge and hands-on experience.

Course Competencies

Competency 1: The student will master minor engine repair by:

1. Diagnosing common issues in small engines through systematic troubleshooting to enhance repair efficiency
2. Repairing small engines by applying hands-on techniques learned in the course, ensuring optimal performance and reliability
3. Evaluating small engine components and systems to effectively understand their functions and maintenance needs

Competency 2: The student will be proficient in appliance installation and repair by:

1. Installing household appliances safely and efficiently, ensuring compliance with manufacturer specifications and safety standards
2. Troubleshooting common appliance issues to identify malfunctions and implement appropriate repair solutions
3. Performing routine appliance maintenance to extend their lifespan and enhance functionality, fostering a proactive approach to appliance care

Competency 3: The student will develop expertise in finishing electrical and plumbing work by:

1. Executing finished electrical tasks, including wiring and fixture installation, to adhere to industry standards and safety regulations
2. Practicing finish plumbing techniques, such as pipe fitting and fixture installation, to ensure proper functionality and compliance with codes
3. Assessing the safety and efficiency of electrical and plumbing systems to recommend improvements and preventative measures

Learning Outcomes:

1. Communicate effectively using listening, speaking, reading, and writing skills
2. Solve problems using critical and creative thinking and scientific reasoning
3. Formulate strategies to locate, evaluate, and apply information