

# BUILDING AND FACILITIES MAINTENANCE, CERTIFICATE OF COMPETENCY (BFMC)

Effective Fall 2024

The Building and Facilities Maintenance certificate program is designed to prepare the student for entry-level positions in the field of Building Maintenance Managers and Maintenance Technicians. Building and Facilities Maintenance professionals ensure that continuous care in both preventative and general maintenance is scheduled and executed properly and in accordance with the local or state guidelines. Technicians are required to have a diverse skill set including knowledge in areas of carpentry, electrical, plumbing, and general facilities.

## Program Outcomes

Upon successful completion of this program, students should be able to:

- Evaluate and perform maintenance tasks (repair, installation, etc.) common in facilities maintenance operations.
- Read and interpret blueprints, building plans and specifications.
- Demonstrate safety procedures to meet the OSHA requirements when performing maintenance duties.

## Full-Time Academic Plan

The College will award a certificate of competency to students who complete an approved credit-bearing career program that requires less than 30 credits. General education courses may not be required for programs that have less than 30 credits. The student must have a cumulative GPA of 2.0 or higher. At least six credit hours must be in courses that are awarded grade points.

The full-time schedule below is an example and may vary from student to student. Students with advising questions should speak to the Director of Technical Education at 610-325-2819.

Course	Title	Hours
<b>First Semester</b>		
IST 105	Industrial Systems Drawings	3
TCS 100	Construction Blueprint Reading	3
TCS 105	Workplace Safety	2
TME 115	Basic Technical Skills	3
Program Elective		3
Select one course from CPT, ELT, HVA, PLB, TCS, TCC		
<b>Hours</b>		<b>14</b>
<b>Second Semester</b>		
CPT 102	Carpentry Fundamentals	3
ELT 110	Introduction to Electricity	4
HVA 106	Basic Piping for Contractors	2
OCS 102	Building Construction Code	3
Program Elective		3
Select one course from CPT, ELT, HVA, PLB, TCS, TCC		
<b>Hours</b>		<b>15</b>
<b>Total Hours</b>		<b>29</b>

## Part-Time Academic Plan Part-Time Schedule

The part-time schedule below is an example and may vary from student to student. Students with advising questions should speak to the Director of Technical Education at 610-325-2819.

Course	Title	Hours
<b>First Semester</b>		
IST 105	Industrial Systems Drawings	3
TCS 100	Construction Blueprint Reading	3
<b>Hours</b>		<b>6</b>
<b>Second Semester</b>		
TCS 105	Workplace Safety	2
TME 115	Basic Technical Skills	3
Program Elective		3
Select one course from CPT, ELT, HVA, PLB, TCS, TCC		
<b>Hours</b>		<b>8</b>
<b>Third Semester</b>		
CPT 102	Carpentry Fundamentals	3
ELT 110	Introduction to Electricity	4
<b>Hours</b>		<b>7</b>
<b>Fourth Semester</b>		
HVA 106	Basic Piping for Contractors	2
OCS 102	Building Construction Code	3
Program Elective		3
Select one course from CPT, ELT, HVA, PLB, TCS, TCC		
<b>Hours</b>		<b>8</b>
<b>Total Hours</b>		<b>29</b>

## Career