



## **Building Maintenance C.A.**

Curriculum Code: 1481

Effective: Fall 2021 – Summer 2026

### **Description**

Graduates of this curriculum will be well versed in all aspects of building maintenance. Building Maintenance Technicians work on systems that control temperature, humidity, and air quality of enclosed spaces. These technicians must be able to maintain the aesthetic and structural integrity of buildings. They may also be responsible for maintenance and upkeep of mechanical, plumbing, and electrical equipment, as well as grounds keeping. They should be versatile enough to do routine painting, drywall plastering, woodworking, and pool maintenance as well as some custodial work. Technicians must have a strong mechanical aptitude, be self-motivated, willing to accept challenges, have a structured approach to problem solving and the ability to work well with others.

### **Additional Information**

Students who have already completed DCTM 102, ELTE 102, METS 102 or WELD 102 with a grade of 2.0 or higher may substitute one of these courses for HVAC 102. Any of these courses may also be used to fulfill the prerequisite for HVAC 110, HVAC 113, HVAC 115, and the BLDT classes.

### **Contact Information**

Contact the Heating and Air Conditioning Program, West Campus Building, Room M127, telephone number 517-483-1570 or Student Services West Campus, West Campus Building, Room M106, telephone number 517-267-5452.

### **Program of Study Required Courses**

Course Code	Course Title	Credit / Billing Hours
DCTM 100	Intro to the Built Environment	3 / 4
DCTM 101	Drafting/Intro to CAD	3 / 4
HVAC 100	Fundamentals of HVAC	3 / 3
HVAC 102	Industrial/Construction Safety	2 / 3
HVAC 110	Applied Electricity I	3 / 4
HVAC 111	Applied Electricity II	3 / 4
HVAC 113	HVAC/R Piping	3 / 4
HVAC 115	Sheet Metal Fab & Installation	2 / 3
HVAC 120	Heating I	3 / 4
HVAC 130	Air Conditioning I	3 / 4

**Program of Study Required Courses, Limited Choice** – *Select one or two courses, minimum four credits*

Course Code	Course Title	Credit / Billing Hours
BLDT 120	Structural Framing	4 / 6
BLDT 130	Building Exterior Construction	4 / 6
BLDT 140	Building Interior Construction	4 / 6
ELTE 112	Basic Wiring Installation	2 / 3
HVAC 220	Heating II	3 / 4
HVAC 221	Introduction to Hydronics	3 / 4
WELD 103	Combination Welding	4 / 6

**Total Credit Hours**

32-34 credits / 43-45 billing hours

**Recommended Course Sequence**

Semester I	Semester II
DCTM 100	DCTM 101
HVAC 100	HVAC 111
HVAC 102	HVAC 120
HVAC 110	HVAC 130
HVAC 113	Limited Choice
HVAC 115	