

# LANSING COMMUNITY COLLEGE

## CURRICULUM GUIDE

Building Maintenance  
Certificate of Achievement

Curriculum Code: 1481 (Effective Fall 2009 – Summer 2014)

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.

### PREREQUISITES

Students should see *Course Descriptions* or *Course Offerings* for course prerequisite information. See the *Assessment and Placement Testing* section for skills assessment and advising information.

### INFORMATION

Contact the Environmental, Design and Building Technologies Department, West Campus Building, Room M103, telephone number (517) 483-5338.

### REQUIREMENTS

CODE	TITLE	TOTAL: 34 CREDITS CREDIT HOURS
BLDT 121	Residential Framing	4
BLDT 132	General Home Maintenance	2
ELTE 112	Basic Wiring Installation	2
HVAC 100	Fundamentals of HVAC	3
HVAC 102	Industrial/Construction Safety	2
HVAC 110	Applied Electricity I	3
HVAC 111	Applied Electricity II	3
HVAC 120	Heating I	3
HVAC 130	Air Conditioning I	3
HVAC 220	Heating II	3
HVAC 221	Introduction to Hydronics	3
HVAC 230	Air Conditioning II	3

### LIMITED CHOICE REQUIREMENTS

TOTAL: 8-12 CREDITS

Complete the indicated number of credits from EACH CHOICE listed below.

#### CHOICE 1: Trade Related

8-12 Credits

BLDT 103	Structural Blueprint Reading	4
BLDT 123	Remodeling	4
BLDT 125	Roofing and Siding	4
BLDT 126	Interior Carpentry	4
HVAC 103	HVAC/R Piping	2
HVAC 105	Sheet Metal Fab & Installation	2
HVAC 240	Refrigeration I	3
LAND 133	Landscape Maintenance	3
WELD 103	Combination Welding (See Note 1)	4

**MINIMUM TOTAL**

**42**

### SUGGESTED COURSE SEQUENCE

Students should see course descriptions to find out when departments plan to offer courses. Students who for any reason are unable to follow the course sequence suggested below (for example, those who are part-time, have transferred in courses from another school, or have prerequisites to fulfill) should contact an academic advisor or counselor for help with adjustments.

I	II	III
BLDT 121	BLDT 132	ELTE 112
HVAC 100	HVAC 111	HVAC 220
HVAC 102	HVAC 120	HVAC 221
HVAC 110	HVAC 130	HVAC 230
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