

## LANSING COMMUNITY COLLEGE

### CURRICULUM GUIDE

Heating and Air Conditioning  
Certificate of Achievement

Curriculum Code: 0832 (Effective Fall 2015 – Summer 2020)

Students will receive instruction on how to install, service, and maintain heating, air conditioning, and refrigeration systems, including sheet metal and electrical, to prepare for entry-level positions.

#### PREREQUISITES

Students should see [Course Descriptions](#) for course prerequisite information. See [Academic Assessment and Placement Testing for Student Success](#) for skills assessment and advising information.

#### INFORMATION

Contact the Utility & Energy Systems Program, West Campus Building, Room M127, telephone number (517) 483-1570 (Website: [www.lcc.edu/utility/hvac/](http://www.lcc.edu/utility/hvac/)) or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5452.

#### REQUIREMENTS

**TOTAL: 37 CREDITS**

CODE	TITLE	CREDIT HOURS
HVAC 100	Fundamentals of HVAC	3
HVAC 102	Industrial/Construction Safety (See Note 1)	2
HVAC 103	HVAC/R Piping (See Note 1)	3
HVAC 105	Sheet Metal Fab & Installation (See Note 1)	2
HVAC 110	Applied Electricity I (See Note 1)	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
HVAC 240	Refrigeration I	3
HVAC 241	Refrigeration II	3
<b>MINIMUM TOTAL</b>		<b>37</b>

**NOTES:**

1. 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 103, HVAC 105 and HVAC 110.
2. To receive a certificate of achievement from Lansing Community College, a student must maintain a grade point average of 2.0 or above in the courses required for the certificate.

**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 for help with adjustments.

<b>I</b>	<b>II</b>	<b>III</b>	<b>IV</b>
HVAC 100	HVAC 111	HVAC 220	HVAC 221
HVAC 102	HVAC 120	HVAC 230	HVAC 241
HVAC 103	HVAC 130	HVAC 240	
HVAC 105			
HVAC 110			