

## LANSING COMMUNITY COLLEGE

### CURRICULUM GUIDE

Geothermal Technician  
Certificate of Achievement

Curriculum Code: 1478 (Effective Fall 2011 – Summer 2016)

This certificate is intended to prepare students to work as an entry-level geothermal technician. Geothermal technicians are involved in various aspects of the installation and maintenance of all types and sizes of geothermal systems. Technicians need a working knowledge of all geothermal concepts and design principles.

#### 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 Design & Construction Technologies Program, West Campus Building, Room M103, telephone number (517) 483-5338 (Website: [www.lcc.edu/design/alternative/](http://www.lcc.edu/design/alternative/)) or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5452.

REQUIREMENTS		TOTAL: 41 CREDITS
CODE	TITLE	CREDIT HOURS
AEET 215	Geothermal Technology	3
AEET 261	Codes, Regulations and Standards	4
ELTE 111	Intro to Industrial Automation	4
HVAC 100	Fundamentals of HVAC	3
HVAC 102	Industrial/Construction Safety (See Note 1)	2
HVAC 103	HVAC/R Piping	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 201	Mechanical Code	4
HVAC 230	Air Conditioning II	3
HVAC 231	Heat Pump	3
HVAC 280	EPA 608 Certification Review	1
<b>MINIMUM TOTAL</b>		<b>41</b>

#### NOTES:

1. Students who have already completed 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 four courses may also be used to fulfill the prerequisite for 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 - Fall Only</b>
ELTE 111	AEET 261	HVAC 201	AEET 215
HVAC 100	HVAC 111	HVAC 230	HVAC 231
HVAC 102	HVAC 120	HVAC 280	
HVAC 103	HVAC 130		
HVAC 110			