

# LANSING COMMUNITY COLLEGE

## CURRICULUM GUIDE

Energy Auditor  
Certificate of Achievement

Curriculum Code: 1480 (Effective Fall 2015 – Summer 2020)

Professional Energy Efficiency Technicians are involved in the inventory and evaluation of a wide variety of energy producing systems. Technicians will deal with the integration of building, electrical and HVAC systems along with those in alternative energy systems. The Technician will need a working knowledge of “green” building concepts and energy efficient design principles. Not all courses in this program transfer to all colleges. Students planning to transfer should see an academic advisor before enrolling in any course.

### 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 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

CODE	TITLE	TOTAL: 26 CREDITS CREDIT HOURS
AEET 120	Residential Energy	3
AEET 275	Sustainable Building Design	4
CITN 115	Home Technology Integration	5
DCTM 100	Intro to the Built Environment	3
DCTM 102	Industrial/Construction Safety (See Note 1)	2
HVAC 100	Fundamentals of HVAC	3
HVAC 110	Applied Electricity I	3
HVAC 130	Air Conditioning I	3

### LIMITED CHOICE REQUIREMENTS

TOTAL: 6 CREDITS

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

<b>CHOICE 1: Alternative Energy Specialty Area</b>		<b>6 Credits</b>
AEET 215	Geothermal Technology	3
AEET 216	Solar Energy Technologies	3
AEET 219	Wind Energies	3
AEET 220	Energy Modeling	3
DCTM 103	Codes and Specifications	3
<b>MINIMUM TOTAL</b>		<b>32</b>

**NOTES:**

1. Students who have already completed ELTE 102, HVAC 102, METS 102 or WELD 102 with a grade of 2.0 or higher may substitute one of these courses for DCTM 102. Any of these 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.

I	II	III
DCTM 100	AEET 120	AEET 275
DCTM 102	CITN 115	Lim. Ch.
HVAC 100	HVAC 130	
HVAC 110	Lim. Ch.	