

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Energy Auditor
Certificate of Achievement

Curriculum Code: 1480 (Effective Fall 2011 – Summer 2016)

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* 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/) or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5452.

REQUIREMENTS

CODE	TITLE	TOTAL: 31 CREDITS CREDIT HOURS
AEET 102	Prin of Altern/Renewable Energies	4
AEET 120	Residential Energy	3
AEET 275	Sustainable Building Design	4
ARCH 116	Materials of Construction	4
ARCH 125	Environmental Systems	4
ARCH 276	Alternative Construction	3
BLDT 103	Structural Blueprint Reading	4
ELTE 102	Industrial/Construction Safety (See Note 1)	2
ELTE 110	Practical Electricity (See Note 1)	3

LIMITED CHOICE REQUIREMENTS

TOTAL: 2-4 CREDITS

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

CHOICE 1: Alternative Energy Specialty Area

2-4 Credits

AEET 215	Geothermal Technology	3
AEET 216	Solar Energy Technologies	3
AEET 219	Wind Energies	3
AEET 220	Energy Modeling	2
AEET 261	Codes, Regulations & Standards	4

MINIMUM TOTAL

33

NOTES:

1. Students who have already completed HVAC 102, METS 102, or WELD 102 with a grade of 2.0 or higher may substitute one of these courses for ELTE 102. Any of these four courses may also be used to fulfill the prerequisite for ELTE 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
AEET 102	AEET 120	AEET 275
ARCH 116	ARCH 276	Lim. Ch.
ARCH 125	ELTE 102	
BLDT 103	ELTE 110	