

# LANSING COMMUNITY COLLEGE

## CURRICULUM GUIDE

Stationary Energy Technology  
Certificate of Achievement

Curriculum Code: 1228 (Effective Fall 2008 – Summer 2013)

This certificate is intended for the entry-level technician as well as the professional involved in the heating, ventilation and air conditioning field to add a specialization in energy to their credentials. Stationary energy technicians will be involved in various aspects of the inventory, evaluation, planning, design, installation, and maintenance of a wide variety of energy producing systems. Technicians will deal with the integration of current energy sources along with newly developing energy distribution systems. The stationary energy technician will need a working knowledge of “green” building concepts and energy efficient 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 Manufacturing Engineering Technologies Department, West Campus Building, Room M103, telephone number (517) 483-1339 (Website: [www.lcc.edu/manufacturing/alternative\\_energy/](http://www.lcc.edu/manufacturing/alternative_energy/)) or Student Services West Campus, West Campus Building, Room M106, telephone (517) 267-5510.

### REQUIREMENTS

CODE	TITLE	TOTAL: 34 CREDITS CREDIT HOURS
AEET 102	Prin of Altern/Renew Energies	3
AEET 120	Conventional Energy Source/Use	3
AEET 215	Geothermal Technology	3
AEET 250	Alternative Energy Analysis I	3
AEET 255	Alternative Energy Analysis II	3
ELTE 100	Electrical Safety Practices	1
HVAC 100	Fundamentals of HVAC	3
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
<b>MINIMUM TOTAL</b>		<b>34</b>

### 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
AEET 102	AEET 120	AEET 215
ELTE 100	AEET 250	AEET 255
HVAC 100	HVAC 111	HVAC 130
HVAC 110	HVAC 120	HVAC 220