

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Alternative Energy Technology
Associate in Applied Science Degree

Curriculum Code: 1229 (Effective Fall 2008 – Summer 2013)

Professional Energy Specialists are involved in the inventory, evaluation, planning, design, installation, and maintenance of a wide variety of energy producing systems. Specialists will deal with the integration of current energy courses along with newly developing alternative energy distribution systems. The energy specialist 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 or counselor 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 Manufacturing Engineering Technologies Department, West Campus Building, Room M103, telephone number (517) 483-1339 (Website: www.lcc.edu/manufacturing/alternative_energy/) or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5510.

REQUIREMENTS

CODE	TITLE	TOTAL: 63 CREDITS CREDIT HOURS
AEET 102	Prin of Altern/Renew Energies	3
AEET 120	Conventional Energy Source/Use	3
AEET 215	Geothermal Technology	3
AEET 216	Solar Energy Technologies	3
AEET 217	Biomass, Biogas, Microturbine	3
AEET 218	Fuel Cell & Hydrogen Tech	3
AEET 219	Wind Energies	3
AEET 250	Alternative Energy Analysis I	3
AEET 255	Alternative Energy Analysis II	3
AEET 260	Codes, Regulations & Standards	3
CHEM 135	Chemistry in Society	4
ELTE 100	Electrical Safety Practices	1
ELTE 110	Practical Electricity	3
ELTE 141	National Electrical Code I	4
MATH 114	Technical Math I	4
MATH 115	Technical Math II	4
MGMT 234	Diversity in the Workplace	3
PHYS 200	Intro Physics With Application	4
SPCH 110	Oral Comm in the Workplace	3
WRIT 124	Technical Writing	3

LIMITED CHOICE REQUIREMENTS**TOTAL: 0 CREDITS**Complete the indicated number of credits from **EACH CHOICE** listed below.**CHOICE 1: General Education Core Areas****0 Credits**(See *General Education Core Requirements* for information on how to fulfill these requirements.)

Core area proficiency exams, where appropriate, are available for each core area.)

Communication Core Area (See Note 1)	0
Global Perspectives and Diversity Core Area (See Note 1)	0
Mathematics Core Area (See Note 1)	0
Science Core Area (See Note 1)	0
Writing Core Area (See Note 1)	0

MINIMUM TOTAL**63****NOTE:**

1. Students completing REQUIREMENTS have fulfilled the requirements for this Core area.

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 Fall	II Spring	III Fall	IV Spring
AEET 102	AEET 120	AEET 215	AEET 217
ELTE 100	CHEM 135	AEET 216	AEET 219
ELTE 110	ELTE 141	AEET 218	AEET 255
SPCH 110	MATH 114	AEET 250	AEET 260
WRIT 124	MGMT 234	MATH 115	PHYS 200