

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Alternative Energy Technology
Associate in Applied Science Degree

Curriculum Code: 1229 (Effective Fall 2006 – Summer 2011)

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 or Counseling and Advising Centers, Gannon Vocational-Technical Center, Room 204, telephone number (517) 483-1904.

REQUIREMENTS

CODE	TITLE	TOTAL: 67 CREDITS CREDIT HOURS
AEET102	Prin of Alternative/Renewable Energies	3
AEET110	Energy Site Evaluation	3
AEET115	Geothermal Technology	3
AEET116	Solar Energy Technologies	3
AEET117	Biomass, Biogas and Microturbine Tech	3
AEET118	Fuel Cell and Hydrogen Technologies	3
AEET119	Wind Energies	3
AEET120	Conventional Energy Sources and Use	3
AEET250	Alternative Energy Inventory & Analysis	3
AEET251	Alternative Energy Planning & Design	3
AEET252	Alt Energy Implementation/Maintenance	3
AEET255	Energy Efficiency and Management	3
AEET260	Codes, Regulations and Standards	3
CHEM135	Chemistry in Society	4
ELTE100	Electrical Safety Practices	1
ELTE110	Practical Electricity	3
MATH121	College Algebra I	4
MATH122	College Algebra II and Trigonometry	3
MGMT234	Diversity in the Workplace	3
PHYS200	Introductory Physics With Applications	4
SPCH110	Oral Communication in the Workplace	3
WRIT124	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**67****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
AEET102	AEET116	AEET117	AEET252
AEET110	AEET119	AEET118	AEET255
AEET115	AEET120	AEET251	AEET260
WRIT124	AEET250	ELTE100	ELTE110
	MATH121	MATH122	PHYS200
V Fall	VI	VII	VIII
CHEM135			
MGMT234			
SPCH110			