

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Solar Energy Technician
Certificate of Achievement

Curriculum Code: 1476 (Effective Fall 2011 – Summer 2016)

This certificate is intended to prepare students to work as an entry-level solar energy technician. Solar energy technicians are involved in various aspects of the installation and maintenance of all types and sizes of solar energy systems. Technicians need a working knowledge of all solar energy concepts and 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 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		TOTAL: 40 CREDITS
CODE	TITLE	CREDIT HOURS
AEET 102	Prin of Altern/Renew Energies	4
AEET 216	Solar Energy Technologies	3
AEET 226	Applied Photovoltaic Systems	3
AEET 261	Codes, Regulations and Standards	4
ELTE 141	National Electrical Code I	4
HVAC 100	Fundamentals of HVAC	3
HVAC 102	Industrial/Construction Safety (See Note 1)	2
HVAC 103	HVAC/R Piping (See Note 1)	2
HVAC 110	Applied Electricity I (See Note 1)	3
HVAC 111	Applied Electricity II	3
HVAC 120	Heating I	3
HVAC 130	Air Conditioning I	3
HVAC 221	Introduction to Hydronics	3
MINIMUM TOTAL		40

NOTES:

1. Students who have already completed ELTE 102, METS 102, or WELD 102 with a grade of 2.0 or higher may substitute one of these courses for HVAC 102. Any of these four courses may also be used to fulfill the prerequisite for HVAC 103 and 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
AEET 102	AEET 216	AEET 226
HVAC 100	ELTE 141	AEET 261
HVAC 102	HVAC 111	HVAC 221
HVAC 103	HVAC 120	
HVAC 110	HVAC 130	