

# LANSING COMMUNITY COLLEGE

## CURRICULUM GUIDE

Solar Energy Technician  
Certificate of Achievement

Curriculum Code: 1476 (Effective Fall 2016 – Summer 2021)

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](#) for course prerequisite information. See [Academic Assessment and Placement Testing for Student Success](#) for skills assessment and advising information.

### INFORMATION

Contact the Energy Management Program, West Campus Building, Room M103, telephone number (517) 483-5338 (Website: [www.lcc.edu/design/alternative/](http://www.lcc.edu/design/alternative/)) or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5452.

### REQUIREMENTS

**TOTAL: 36 CREDITS**

CODE	TITLE	CREDIT HOURS
AEET 216	Solar Energy Technologies	3
DCTM 100	Intro to the Built Environment	3
DCTM 102	Industrial/Construction Safety (See Note 1)	2
DCTM 103	Codes and Specifications	3
ELTE 141	National Electrical Code I	4
HVAC 100	Fundamentals of HVAC	3
HVAC 103	HVAC/R Piping (See Note 1)	3
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
<b>MINIMUM TOTAL</b>		<b>36</b>

**NOTES:**

1. Students who have already completed ELTE 102, HVAC 102, METS 102 or WELD 102 with a grade of 2.0 or higher may substitute one of these courses for DCTM 102. Any of these 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.

<b>I</b>	<b>II</b>	<b>III</b>
AEET 216	ELTE 141	DCTM 103
DCTM 100	HVAC 103	HVAC 130
DCTM 102	HVAC 111	HVAC 221
HVAC 100	HVAC 120	
HVAC 110		