

# LANSING COMMUNITY COLLEGE

## CURRICULUM GUIDE

Customer Energy Specialist  
Associate in Applied Science Degree

Curriculum Code: 1022 (Effective Fall 2015 – Summer 2020)

This curriculum is designed to give students the technical knowledge and customer relations skills to determine customer energy needs in the negotiation, design, installation, and application of utility facilities. They negotiate barriers in order to supply energy from the road or nearest energy supply center to the outside of a building under construction. Customer energy specialists are employed by utility companies, governmental agencies, heating and cooling contractors, the construction industry, and engineering and architectural firms. **Not all courses in this program transfer to all colleges.** Students planning to transfer should see an academic advisor before enrolling in any course.

### 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 Utility & Energy Systems Program, West Campus Building, Room M127, telephone number (517) 483-1570 or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5452.

### REQUIREMENTS

**TOTAL: 47 CREDITS**

CODE	TITLE	CREDIT HOURS
ACCG 101	Accounting Info for Management	3
BUSN 118	Introduction to Business	3
CITA 110	Intro to Microsoft Office	3
DCTM 101	Drafting/Intro to CAD	3
ELTE 102	Industrial/Construction Safety (See Note 1)	2
ELTE 110	Practical Electricity (See Note 1)	3
LEGL 215	Business Law–Basic Principles	3
MATH 114	Technical Math I	4
MATH 115	Technical Math II	4
MGMT 150	Managing Customer Relations	3
MGMT 234	Diversity in the Workplace	3
MKTG 200	Principles of Marketing	3

SPCH 110	Oral Comm in the Workplace	3
WRIT 121	Composition I	4
WRIT 124	Technical Writing	3

**LIMITED CHOICE REQUIREMENTS**

**TOTAL: 13-16 CREDITS**

Complete the indicated number of credits from **EACH CHOICE** listed below.

**CHOICE 1: [General Education Core Areas](#) 0 Credits**

(Click the link above 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 2)	0
Global Perspectives and Diversity Core Area (See Note 2)	0
Mathematics Core Area (See Note 2)	0
Science Core Area (See Note 3)	0
Writing Core Area (See Note 2)	0

**CHOICE 1A: Physics 4 Credits**

PHYS 120	The Art of Physics	4
PHYS 200	Intro Physics With Application	4

**CHOICE 2: Technical Related (See Note 4) 9-12 Credits**

CIVL 120	Surveying	4
ELTE 111	Intro to Industrial Automation	4
ELTE 141	National Electrical Code I	4
GRET 100	GIS Principles & Applications	3
GRET 210	Global Positioning Systems	3
METD 100	Basic Mechanical Drafting	3

**MINIMUM TOTAL 60**

**NOTES:**

1. Students who have already completed DCTM 102, HVAC 102, METS 102 or WELD 102 with a grade of 2.0 or higher may substitute one of these courses for ELTE 102. Any of these courses may also be used to fulfill the prerequisite for ELTE 110.
2. Students completing "REQUIREMENTS" have fulfilled the requirements for this Core area
3. Students must complete one course from "CHOICE 1A" to fulfill the requirements for this Core area.
4. See an advisor in the Utility & Energy Systems Program for other courses that may be taken for "CHOICE 2".

### 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	IV
BUSN 118	ACCG 101	DCTM 101	MGMT 234
CITA 110	ELTE 110	LEGL 215	SPCH 110
ELTE 102	MATH 115	MGMT 150	Lim.Ch.
MATH 114	WRIT 121	MKTG 200	Lim.Ch.
WRIT 124		Lim.Ch.	Lim.Ch.