

## LANSING COMMUNITY COLLEGE

### CURRICULUM GUIDE

Customer Energy Specialist  
Associate in Applied Science Degree

Curriculum Code: 1022 (Effective Fall 2008 – Summer 2013)

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 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/](http://www.lcc.edu/manufacturing/)) or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5510.

#### REQUIREMENTS

CODE	TITLE	TOTAL: 49 CREDITS CREDIT HOURS
ACCG 101	Accounting Info for Management	3
BUSN 118	Introduction to Business	3
CITA 110	Intro to Microsoft Office	3
ELTE 100	Electrical Safety Practices	1
ELTE 110	Practical Electricity	3
GRET 203	Beginning MicroStation	3
LAND 282	Computer Draft/Dsgn Land Arch	3
LEGL 215	Busn Law I, 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**(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 2)	0
Writing Core Area (See Note 1)	0

**CHOICE 2: Physics****4 Credits**

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

**CHOICE 3: Technical Related** (See Note 3)**9–12 Credits**

CIVL 120	Surveying	4
ELTE 111	Intro to Industrial Automation	4
ELTE 141	National Electrical Code I	4
GRET 205	Principles of GIS	3
GRET 210	Global Positioning Systems	3
METD 100	Basic Mechanical Drafting	3

**MINIMUM TOTAL****62****NOTES:**

1. Students completing "REQUIREMENTS" have fulfilled the requirements for this Core area.
2. Students must complete one course from CHOICE 2 to fulfill the requirements for this Core area.
3. See an advisor in the Manufacturing and Engineering Technologies Department for other courses that may be taken for CHOICE 3.

**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.

<b>I</b>	<b>II</b>	<b>III</b>	<b>IV</b>
BUSN 118	ACCG 101	GRET 203	MGMT 234
CITA 110	ELTE 110	LEGL 215	SPCH 110
ELTE 100	LAND 282	MGMT 150	Lim.Ch.
MATH 114	MATH 115	MKTG 200	Lim.Ch.
WRIT 124	WRIT 121	Lim.Ch.	Lim.Ch.