

LANSING COMMUNITY COLLEGE			
Computer, Engineering/Manufacturing Industrial Technologies			
Curriculum Code: 1022 (Effective Fall 2017 – Summer 2022)	Customer Energy Specialist A.A.S. Pathway		
Semester I	Course Title	Prerequisites	Credit/ Billing Hours
Writing Core Area - <i>Select 1</i>			
ENGL 124 <i>(formerly WRIT 124)</i>	Technical Writing	(Reading Level 5 and Writing Level 6) or AASD 105 concurrently	3 / 3
Program of Study Requirements			
BUSN 118	Introduction to Business	(Reading Level 5 and Writing Level 4) or AASD 105 concurrently	3 / 3
CITA 110	Intro to Microsoft Office	Reading Level 4	3 / 3
ELTE 102	Industrial/Construction Safety	Reading Level 3 and Writing Level 2	2 / 3
Technical Related Electives - <i>Select at least 1 course for a minimum of 4 credits</i> <i>Courses may not be duplicated</i>			
CIVL 120	Surveying	Minimum 2.0 in MATH 114 or Math Level 5	4 / 6
ELTE 111	Intro to Industrial Automation	Reading Level 3	4 / 6
ELTE 141	National Electrical Code I	Minimum 2.0 in (ELTE 109 or ELTE 110 or HVAC 110) and Reading Level 3 and Writing Level 2 and Math Level 3	4 / 4
GRET 100	GIS Principles & Applications	None	3 / 4
GRET 210	Global Positioning Systems	None	3 / 4
METD 100	Basic Mechanical Drafting	Reading Level 3 and Writing Level 2 and Math Level 3	3 / 4
Credits			15-17 / 16-20

Semester II	Course Title	Prerequisites	Credit/Billing Hours
Math Core Area - <i>Select 1</i>			
MATH 115	Technical Math II	(Minimum 2.0 in MATH 114 within 2 years or Math Level 5 within 2 years) and Reading Level 5	4 / 4
Program of Study Requirements			
ACCG 101	Accounting Info for Management	Reading Level 4 and Math Level 4	3 / 3
ELTE 108	Practical Electricity I	Minimum 2.0 in (ELTE 102 or DCTM 102 or HVAC 102 or METS 102 or WELD 102 or concurrently) and Reading Level 3 and Writing Level 2 and Math Level 3	2 / 3
ELTE 109	Practical Electricity II	Minimum 2.0 in ((ELTE 102 or DCTM 102 or HVAC 102 or METS 102 or WELD 102 or concurrently) and (ELTE 108 or ELTE 118 or concurrently)) and Reading Level 3 and Writing Level 2 and Math Level 3	2 / 3
ENGL 121 <i>(formerly WRIT 121)</i>	Composition I	Reading Level 5 and Writing Level 6	4 / 4
Credits			15 / 17
Semester III	Course Title	Prerequisites	Credit/Billing Hours
Science Core Area - <i>Select 1</i>			
BIOL 120	Environmental Science	(Reading Level 5 or AASD 105 concurrently) and Writing Level 6	4 / 6
PHYS 120	The Art of Physics	Reading Level 5 and Writing Level 6 and (Math Level 5 or MATH 107 concurrently or MATH 109 concurrently)	4 / 5
PHYS 200	Intro Physics With Application	Reading Level 5 and Writing Level 6 and Math Level 5	4 / 5

Program of Study Requirements			
DCTM 101	Drafting/Intro to CAD	Reading Level 4 and Writing Level 4 and Math Level 4	3 / 4
LEGL 215	Business Law-Basic Principles	None	3 / 3
MGMT 150	Managing Customer Relations	Reading Level 5 and Writing Level 6	3 / 3
MKTG 200	Principles of Marketing	Reading Level 5 and Writing Level 6	3 / 3
Credits			16 / 18-19
Semester IV	Course Title	Prerequisites	Credit/ Billing Hours
Communication Core Area - <i>Select 1</i>			
COMM 110 <i>(formerly SPCH 110)</i>	Oral Comm in the Workplace	(Reading Level 5 and Writing Level 6) or AASD 104 concurrently	3 / 3
Global Perspectives and Diversity Core Area - <i>Select 1</i>			
MGMT 234	Diversity in the Workplace	Reading Level 5 and Writing Level 6	3 / 3
Technical Related Electives - <i>Select at least 2 courses for a minimum of 8 credits</i> <i>Courses may not be duplicated</i>			
CIVL 120	Surveying	Minimum 2.0 in MATH 114 or Math Level 5	4 / 6
ELTE 111	Intro to Industrial Automation	Reading Level 3	4 / 6
ELTE 141	National Electrical Code I	Minimum 2.0 in (ELTE 109 or ELTE 110 or HVAC 110) and Reading Level 3 and Writing Level 2 and Math Level 3	4 / 4
GRET 100	GIS Principles & Applications	None	3 / 4
GRET 210	Global Positioning Systems	None	3 / 4
METD 100	Basic Mechanical Drafting	Reading Level 3 and Writing Level 2 and Math Level 3	3 / 4
Credits			14-15 / 16-18
Total Credits			60-63 / 67-74