

LANSING COMMUNITY COLLEGE			
Computer, Engineering/Manufacturing Industrial Technologies			
Curriculum Code: 1478 (Effective Fall 2017 – Summer 2022)	Geothermal Technician C.A. Pathway		
Semester I	Course Title	Prerequisites	Credit/ Billing Hours
Program of Study Requirements			
ELTE 111	Intro to Industrial Automation	Reading Level 3	4 / 6
DCTM 102	Industrial/Construction Safety	Reading Level 3 and Writing Level 2	2 / 3
HVAC 100	Fundamentals of HVAC	Reading Level 3 and Writing Level 2	3 / 3
HVAC 103	HVAC/R Piping	Minimum 2.0 in (HVAC 102 or DCTM 102 or ELTE 102 or METS 102 or WELD 102 or concurrently) and Reading Level 3 and Writing Level 2	3 / 4
HVAC 110	Applied Electricity I	Minimum 2.0 in (HVAC 102 or DCTM 102 or ELTE 102 or METS 102 or WELD 102 or concurrently) and Reading Level 3 and Writing Level 2 and Math Level 3	3 / 4
Credits			15 / 20

Semester II	Course Title	Prerequisites	Credit/ Billing Hours
Program of Study Requirements			
HVAC 111	Applied Electricity II	Minimum 2.0 in (HVAC 100 and HVAC 110) and Reading Level 3 and Writing Level 2 and Math Level 3	3 / 4
HVAC 120	Heating I	Minimum 2.0 in (HVAC 100 and HVAC 110) and Reading Level 3 and Writing Level 2 and Math Level 3	3 / 4
HVAC 130	Air Conditioning I	Minimum 2.0 in (HVAC 100 and HVAC 110) and Reading Level 3 and Writing Level 2 and Math Level 3	3 / 4
HVAC 201	Mechanical Code	Minimum 2.0 in (HVAC 120 and HVAC 130) and Reading Level 3 and Writing Level 2 and Math Level 3	4 / 4
Credits			13 / 16
Semester III	Course Title	Prerequisites	Credit/ Billing Hours
Program of Study Requirements			
DCTM 103	Codes and Specifications	Reading Level 4 and Writing Level 4 and Math Level 4	3 / 3
HVAC 230	Air Conditioning II	Minimum 2.0 in (HVAC 111 and HVAC 130) and Reading Level 3 and Writing Level 2 and Math Level 3	3 / 4
Credits			6 / 7

Semester III	Course Title	Prerequisites	Credit/ Billing Hours
Program of Study Requirements			
AEET 215	Geothermal Technology	Reading Level 3 and Writing Level 4	3 / 4
HVAC 231	Heat Pump	Minimum 2.0 in HVAC 130 and Reading Level 3 and Writing Level 2 and Math Level 3	3 / 4
Credits			6 / 8
Total Credits			40 / 51