

LANSING COMMUNITY COLLEGE			
Computer, Engineering/Manufacturing Industrial Technologies			
Curriculum Code: 1605 (Effective Fall 2017 – Summer 2022)	Robotics and Automated Technology C.A. Pathway		
Semester I	Course Title	Prerequisites	Credit/ Billing Hours
Program of Study Requirements			
ELTA 120	AC Fundamentals - Electrician	Minimum 2.0 in ((ELTE 110 or ELTE 108 or ELTE 118 or concurrently) and (minimum 2.5 in (ELTA 106 or MATH 114 or Math Level 5)) and Reading Level 3 and Writing Level 2	2 / 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
ENGL 124 (formerly WRIT 124)	Technical Writing	(Reading Level 5 and Writing Level 6) or AASD 105 concurrently	3 / 3
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
METD 150	Industrial Blueprint Reading	None	3 / 3
METS 102	Industrial/Construction Safety	Reading Level 3 and Writing Level 2	2 / 3
Credits			16 / 19

Semester II	Course Title	Prerequisites	Credit/ Billing Hours
Program of Study Requirements			
ELTE 131	Machine Controls I	Minimum 2.0 in (ELTE 110 or ELTE 108 or ELTE 118) and Reading Level 3 and Writing Level 2 and Math Level 3	4 / 5
METS 110	Mechanical Power Transmissions	Minimum 2.0 in (METS 102 or DCTM 102 or ELTE 102 or HVAC 102 or WELD 102 or concurrently) and Reading Level 3 and Writing Level 2 and Math Level 4	4 / 6
METS 125	Intro to Hydraulics/Pneumatics	Minimum 2.0 in (METS 102 or DCTM 102 or ELTE 102 or HVAC 102 or WELD 102 or concurrently) and Reading Level 3 and Writing Level 2 and Math Level 3	4 / 6
METS 145	Automated Systems	Minimum 2.0 in (METS 102 or ELTE 102 or DCTM 102 or HVAC 102 or WELD 102 or concurrently) and Reading Level 3 and Writing Level 2 and Math Level 3	3 / 4.5
METS 160	Introduction to Robotics	Minimum 2.0 in (METS 102 or ELTE 102 or DCTM 102 or HVAC 102 or WELD 102 or concurrently) and Reading Level 3 and Writing Level 2 and Math Level 3	3 / 4.5
Credits			18 / 26
Total Credits			34 / 45