

LANSING COMMUNITY COLLEGE

Computer, Engineering/Manufacturing Industrial Technologies

**Curriculum Code:
0966 (Effective Fall
2017 – Summer 2022)**

Electrical Machine Controls C.C. Pathway

Semester I	Course Title	Prerequisites	Credit/ Billing Hours
<p>Program of Study Requirements <i>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 108 and ELTE 109.</i></p>			
ELTE 102	Industrial/Construction Safety	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
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
Credits			6 / 9

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
ELTE 132	Control Panel Assembly	Minimum 2.0 in (ELTE 131 or concurrently) and Reading Level 3 and Writing Level 2 and Math Level 3	2 / 3
Credits			6 / 8
Semester III	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
ELTE 232	Machine Controls II	Minimum 2.0 in ELTE 131 and Reading Level 3 and Writing Level 2 and Math Level 3	4 / 6
ELTE 260	Programmable Controllers I	Minimum 2.0 in ELTE 131 and Reading Level 3 and Writing Level 2 and Math Level 3	4 / 6
Credits			8 / 12
Semester IV	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
ELTE 261	Programmable Controllers II	Minimum 2.0 in (ELTE 260 or ELTA 160) and Reading Level 3 and Writing Level 2 and Math Level 3	6 / 8
Credits			6 / 8
Total Credits			26 / 37