| LANSING COMMUNITY COLLEGE | | | |
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| **Computer, Engineering/Manufacturing Industrial Technologies** | | | |

| Curriculum Code: 0964 (Effective Fall 2018 – Summer 2023) | **Electrical Wiring C.C. Pathway** | | |
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This certificate is designed to provide students with entry level skills in basic electrical theory, fundamental wiring installation techniques, smart-house technologies, and an understanding of the National Electrical Code. This curriculum would be an excellent choice for students wishing to apply for a construction electrical apprenticeship. All of the course work may be applied toward the Electrical Technology, Associate in Applied Science Degree.

**For More Information**

Contact the Electrical Technology Program at the West Campus Building, Room M127, telephone number (517) 483-1570 or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5452.

| Semester I | Course Title | Prerequisites | Credit/Billing Hours |
|---|---|---|---|
| **Program of Study Requirements** | | | |
| *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.* | | | |
| CITN 115 | IoT & Automation Fundamentals | Reading Level 4 and Writing Level 4 | 5 / 6 |
| ELTE 102 | Industrial/Construction Safety | Reading Level 3 and Writing Level 2 | 2 / 3 |
| ELTE 108 *(1st 8 weeks)* | 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 or minimum 2.0 in MATH 105 or MATH 106) | 2 / 3 |
| ELTE 109 *(2nd 8 weeks)* | 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 concurrently)) and Reading Level 3 and Writing Level 2 and (Math Level 3 or minimum 2.0 in MATH 105 or MATH 106) | 2 / 3 |
| ELTA 180 | Introduction to Fire Alarms | Minimum 2.0 in (ELTE 109 or concurrently) and Reading Level 3 and Writing Level 2 and Math Level 3 | 1 / 1 |
| | | **Credits** | **12 / 16** |

| Semester II | Course Title | Prerequisites | Credit/Billing Hours |
|---|---|---|---|
| **Program of Study Requirements** | | | |
| ELTA 105 | Elect. Industry Orientation | Reading Level 3 | .5 / .5 |
| ELTE 112 | Basic Wiring Installation | Minimum 2.0 in (ELTE 109 or ELTE 110 or HVAC 110) and Reading Level 3 and Writing Level 2 and Math Level 3 | 2 / 3 |
| 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 |
| | | **Credits** | **6.5 / 7.5** |
| | | **Total Credits** | **18.5 / 23.5** |