



Electrical Wiring C.C.

Career Community: Electrical and Manufacturing

Curriculum Code: 0964

Effective: Fall 2022 – Summer 2027

Description

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.

Milestone

Completion of ELTE 108 and ELTE 109 with a 2.0 or higher is a key component for success in completing this program. Knowledge obtained in these courses is the foundation for learning in other required courses. Students are encouraged to contact their faculty if they need additional assistance with learning the concepts presented in these courses.

Additional Information

Students who have already completed DCTM 102, ELTE 102, HVAC 102, METS 102 or WELD 102 with a grade of 2.0 or higher may substitute one of these courses for TECH 102. Any of these courses may also be used to fulfill the prerequisite for ELTE 108 and ELTE 109.

Contact 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.

Program of Study Required Courses

| Course Code | Course Title | Credit / Billing Hours |
|-------------|-------------------------------|------------------------|
| CITN 115 | IoT & Automation Fundamentals | 5 / 6 |
| ELTA 105 | Elect. Industry Orientation | .5 / .5 |
| ELTA 180 | Introduction to Fire Alarms | 1 / 1 |
| ELTE 108 | Practical Electricity I | 2 / 3 |
| ELTE 109 | Practical Electricity II | 2 / 3 |
| ELTE 112 | Basic Wiring Installation | 2 / 3 |
| ELTE 141 | National Electrical Code I | 4 / 4 |
| TECH 102 | General Industry Safety | 2 / 3 |

Minimum Total Credit Hours

18.5 credits / 23.5 billing hours

Recommended Course Sequence

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| Semester I |
| CITN 115 |
| ELTA 180 |
| ELTE 108 (First 8 weeks) – Milestone course |
| ELTE 109 (Second 8 weeks) – Milestone course |
| TECH 102 |

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|-------------|
| Semester II |
| ELTA 105 |
| ELTE 112 |
| ELTE 141 |

LCC makes every effort to limit revisions to the pathways during their effective timeframe. However, the College reserves the right to update certificate and degree title changes, and make course changes as needed, without prior notice.