**Electrical Systems Technology**

**Developmental Courses if Needed**

**ENG 025 \_\_\_\_ MAT 025 \_\_\_\_ MAT 035 \_\_\_\_**

**Student Educational Plan**

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| **Associate in Applied Science** | | |
| **Fall Semester - 1st Year** | | |
| ELC 112 | DC/AC Electricity | 5 |
| ELC 113 | Residential Wiring | 4 |
| ELC 118 | National Electrical Code | 2 |
| WOL 110 | Basic Construction Skills | 1 |
| ACA 122 | College Transfer Success | 1 |
| ENG 111 | Writing & Inquiry | 3 |
| **Spring Semester – 1st Year** | | |
| ELC 119 | NEC Calculations | 2 |
| ELN 229 | Industrial Electronics | 4 |
| ELC 114 | Commercial Wiring | 4 |
| MAT \*\*\* | Math Requirement | 3-4 |
| ENG 114 or ENG 116 | English Requirement | 3 |
| **Summer I** | | |
| ELC 117 | Motors & Controls | 4 |
| CIS 110 | Introduction to Computers | 3 |
| **Fall Semester – 2nd Year** | | |
| HUM 110 or 115 | Humanities Elective | 3 |
| ELC 128 | Introduction to PLC | 3 |
| ELN 133 | Digital Electronics | 4 |
| ELC 213 | Instrumentation | 4 |
| **Spring Semester – 2nd Year** | | |
| PSY 150 | General Psychology | 3 |
| ELC 228 | PLC Applications | 4 |
| ELC 229 | Applications Project | 2 |
| WBL 111 | Work Based Learning | 1 |
| PHY 110 & PHY 110A | Conceptual Physics & Conceptual Physics Lab | 4 |
| ISC 112 | Industrial Safety | 2 |
| **71-72 TOTAL CREDIT HOURS** | | |

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| **Diploma** | | |
| **Fall Semester - 1st Year** | | |
| ELC 112 | DC/AC Electricity | 2 |
| ACA 122 | College Transfer Success | 1 |
| ELC 113 | Residential Wiring | 4 |
| ELC 118 | National Electrical Code | 2 |
| ELC 128 | Introduction to PLC | 3 |
| WOL 110 | Basic Construction Skills | 1 |
| ENG 111 | Writing & Inquiry | 3 |
| **Spring Semester – 1st Year** | | |
| ELC 119 | NEC Calculations | 2 |
| MAT \*\*\* | Math Requirement | 3-4 |
| ISC 112 | Industrial Safety | 2 |
| ELN 229 | Industrial Electronics | 4 |
| ELC 229 | Applications Project | 2 |
| ELC 114 | Commercial Wiring | 4 |
| **Summer I** | | |
| ELC 117 | Motors & Controls | 4 |
| **42-43 TOTAL CREDIT HOURS** | | |

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| **Electricity Certificate** | | |
| ELC 112 | DC/AC Electricity | 5 |
| ELC 113 | Residential Wiring | 4 |
| ELC 114 | Commercial Wiring | 4 |
| ISC 112 | Industrial Safety | 2 |
| **15 TOTAL CREDIT HOURS** | | |

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| --- | --- | --- |
| **Industrial Controls Certificate** | | |
| ELC 112 | DC/AC Electricity | 5 |
| ELC 128 | Introduction to PLC | 3 |
| ELC 119 | NEC Calculations | 2 |
| ELC 213 | Instrumentation | 4 |
| ELC 117 | Motors & Controls | 4 |
| **18 TOTAL CREDIT HOURS** | | |



# Note

# This is a guide only. Please speak to your student success representative for an official plan.