

Electrical Technology Standard Certificate

This program prepares individuals to apply technical knowledge and skills to install, operate, maintain, and repair electric apparatus and systems such as residential, commercial, and industrial electric-power wiring; and DC and AC motors, controls, and electrical distribution panels. Includes instruction in the principles of electronics and electrical systems, wiring, power transmission, safety, industrial and household appliances, job estimation, electrical testing and inspection, and applicable codes and standards.

NOTES:

* Curriculum display is subject to change; however, courses will be offered to meet degree requirements.

* Student competence in Oral Communications is accomplished within discipline-specific courses.

Program: [Electrical Technology](#)

Type: Standard Certificate

Area I: Written Composition

| Item # | Title | Credits |
|---------|-----------------------|---------|
| ENG 101 | English Composition I | 3 |

Area III: Natural Sciences and Math

| Item # | Title | Credits |
|---------|-------------------------------------|---------|
| CIS 130 | Introduction to Information Systems | 3 |
| MTH 116 | Mathematical Applications | 3 |

Area V: Additional General Education Courses, Major Courses and Electives

| Item # | Title | Credits |
|----------------|--|---------|
| ELT 108 | DC Principles of Electricity | 3 |
| ELT 109 | AC Principles of Electricity | 3 |
| ELT 110 | Wiring Methods | 3 |
| ELT 114 | Residential Wiring Methods | 3 |
| ELT 115 | Residential Wiring Methods II | 3 |
| ELT 117 | Basic AC/DC Machines | 3 |
| ELT 118 | Commercial/Industrial Wiring I | 3 |
| ELT 132 | Commercial/Industrial Wiring II | 3 |
| ELT 209 | Motor Control I | 3 |
| ELT 212 | Motor Controls II | 3 |
| ELT 231 | Introduction to Programmable Controllers | 3 |
| ELT 232 | Advanced Programmable Controllers | 3 |
| ELT 241 | National Electric Code | 3 |
| ELT 244 | Conduit Bending and Installation | 3 |
| ORI 101 | Orientation to College | 2 |
| Total credits: | | 53 |