

Electrical Technology

Program

Industrial Electricity/Electronics Technology

Degree Type

Associate in Applied Science (AAS)

Basic Electricity Term

| Item # | Title | Credits |
|---------|-------------------------|---------|
| WKO 110 | NCCER CORE | 3 |
| ILT 118 | CONSTRUCTION WIRING NEC | 3 |
| ILT 160 | DC FUNDAMENTALS | 3 |
| ILT 161 | AC FUNDAMENTALS | 3 |
| | MTH 100 or MTH 110 | 3 |

Solid State Term

| Item # | Title | Credits |
|---------|-------------------------------------|---------|
| ILT 162 | SOLID STATE FUNDAMENTALS | 3 |
| ILT 166 | MOTORS AND TRANSFORMERS I | 3 |
| ELT 117 | AC/DC MACHINES | 3 |
| ELT 132 | COMMERCIAL AND INDUSTRIAL WIRING II | 3 |
| ENG 101 | ENGLISH COMPOSITION I | 3 |

Third Term

| Item # | Title | Credits |
|---------|---|---------|
| ILT 109 | ELECTRICAL BLUEPRINT READING I | 3 |
| ILT 115 | INDUSTRIAL CONTROLS | 3 |
| ILT 231 | National Electric Code | 3 |
| ILT 209 | MOTOR CONTROLS I | 3 |
| | Natural Science or Mathematics Elective | 3 |

Fourth Term

| Item # | Title | Credits |
|---------|-------------------------------------|---------|
| ELT 110 | WIRING METHODS | 3 |
| ELT 131 | WIRING 1 COMMERCIAL AND INDUSTRIAL | 3 |
| ELT 132 | COMMERCIAL AND INDUSTRIAL WIRING II | 3 |
| ELT 206 | OSHA SAFETY STANDARDS | 3 |
| | Humanities and Fine Arts Elective | 3 |

Fifth Term

| Item # | Title | Credits |
|---------------|---|----------------|
| ILT 104 | INDUSTRIAL INSTRUMENTATION | 3 |
| ILT 105 | INDUSTRIAL INSTRUMENTION LAB | 2 |
| ILT 240 | SENSORS TECHNOLOGY AND APPLICATIONS | 3 |
| ILT 263 | CERTIFICATION PREP LAB | 1 |
| | Social and Behavioral Sciences Elective | 3 |
| | Total Credits | 72 |