### ELECTRICAL TECHNOLOGY

**Prerequisite coursework if required by placement testing**

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<tr>
<td>ENG 092</td>
<td>RDG 084</td>
<td>MTH 080</td>
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<td>ENG 093</td>
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### Area I – Written Composition

- COM 100 Introductory Technical English I or ENG 101 English Composition I (3 credit hours)

### Area II – Humanities and Fine Arts

- SPH 106 Fund of Oral Communication or SPH 107 Fund of Public Speaking (3 credit hours)

### Area III – Natural Science or Mathematics

- MTH 100 Intermediate College Algebra or MTH 116 Mathematical Applications (3 credit hours)
- CIS 146 Microcomputer Applications (3 credit hours)

### Area IV – History, Social, and Behavioral Sciences

- ORI 101 Orientation to College (1 credit hour)

### Area V – Technical Concentration and Electives

- ELT 100 Applied Electronic Computation (3 credit hours)
- ELT 110 Wiring Methods (3 credit hours)
- ELT 111 Concepts of Direct Current (5 credit hours)
- ELT 112 Concepts of Alternating Current (5 credit hours)
- ELT 114 Residential Wiring Methods (3 credit hours)
- ELT 117 AC/DC Machines (3 credit hours)
- ELT 167 AC/DC Machinery and Controls I (3 credit hours)
- ELT 118 Commercial Industrial Wiring (3 credit hours)
- ELT 206 OSHA Safety Standards (3 credit hours)
- ELT 209 Motor Controls I (3 credit hours)
- ELT 197 Motor Controls I (3 credit hours)
- ELT 212 Motor Controls II (3 credit hours)
- ELT 217 Transformers (3 credit hours)
- ELT 221 Electronics for Electricians (3 credit hours)
- ELT 241 National Electric Code (3 credit hours)
- ELT 231 National Electric Code (3 credit hours)
- ELT 244 Conduit Bending and Installation (3 credit hours)

**Total Hours Required for Degree**: 59

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