

# Electrical Systems Technology Diploma – D35130

## Curriculum Checklist 2025-2026 Catalog Year - Present

### Developmental Courses

Table 1: Overview of developmental courses required for 100 level English and math courses

|         |
|---------|
| ENG 025 |
| MAT 035 |

### 1st Semester (Full Time Student)

Table 2: Overview of 1st semester (Fall) courses [17-18 credit hours]

| ✓ | Course:                                | Course Name:                                       | Credit Hour(s): | Prerequisite:                                      | Corequisite : | Notes: |
|---|--|--|-----------------|--|---------------|--------|
|   | <b>EGR 125</b>                         | Application Software for Technology                | 2               |  |               |        |
|   | <b>ELC 131</b>                         | Circuit Analysis I                                 | 4               |  | ELC 131A      |        |
|   | <b>ELC 131A</b>                        | Circuit Analysis I Lab                             | 1               |  | ELC 131       |        |
|   | <b>ELC 113</b>                         | Residential Wiring                                 | 4               |  |               |        |
|   | <b>ENG 110</b><br>Or<br><b>ENG 111</b> | Freshman Composition Or<br>Writing and Inquiry     | 3<br>3          | DRE 097 or<br>ENG 025<br><br>DRE 098 or<br>ENG 025 |               |        |
|   | <b>MAT 121</b><br>Or<br><b>MAT 171</b> | Algebra / Trigonometry I Or<br>Precalculus Algebra | 3<br>4          | DMA 060 or<br>MAT 035<br><br>DMA 080 Or<br>MAT 035 |               |        |

### 2nd Semester (Full Time Student)

Table 3: Overview of 2nd semester (Spring) courses [17 credit hours]

| ✓ | Course:        | Course Name:        | Credit Hour(s): | Prerequisite:                                  | Corequisite : | Notes: |
|---|----------------|---------------------|-----------------|--|---------------|--------|
|   | <b>ELC 115</b> | Industrial Wiring   | 4               | ELC 111,<br>ELC 112,<br>ELC 113, or<br>ELC 131 |               |        |
|   | <b>ELC 117</b> | Motors and Controls | 4               | ELC 111,<br>ELC 112, or<br>ELC 131             |               |        |
|   | <b>ELC 213</b> | Instrumentation     | 4               | ELC 112 or<br>ELC 131                          |               |        |
|   | <b>ELN 131</b> | Analog Electronics  | 4               | ELC 112 or<br>ELC 131                          |               |        |

|  |                |                   |   |  |  |  |
|--|----------------|-------------------|---|--|--|--|
|  | <b>ISC 112</b> | Industrial Safety | 2 |  |  |  |
|--|----------------|-------------------|---|--|--|--|

### 3rd Semester (Summer)

*Table 4: Overview of 3rd semester course (4 credit hours)*

| ✓ | Course:        | Course Name:          | Credit Hour(s): | Prerequisite: | Corequisite: | Notes: |
|---|----------------|-----------------------|-----------------|---------------|--------------|--------|
|   | <b>ELN 260</b> | Pro Logic Controllers | 4               |               |              |        |

----Check to see if you have earned the Electrical Controls Certificate

----Check to see if you have earned the Instrumentation Certificate

**Total Credit Hours Needed for Graduation:** 39-40 credit hours

**Questions? Contact:**

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