



# Diploma Electrical Technology (460302401)

## Industrial Electrician Track

Program Coordinator: Paul Turner

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Program Website: <https://bluegrass.kctcs.edu/education-training/program-finder/electrical-technology.aspx>

Student Name:

Student ID:

*Students need to be at KCTCS placement levels for all courses*

| First Semester                     | Credits   | Term | Grade | Prereqs/Notes |
|------------------------------------|-----------|------|-------|---------------|
| ELT110 Circuits I                  | 5         |      |       |               |
| ELT114 Circuits II                 | 5         |      |       |               |
| MAT126 Technical Algebra and Trig. | 3         |      |       |               |
| EET250 National Electric Code      | 4         |      |       |               |
| <b>Total Semester Credit Hours</b> | <b>17</b> |      |       |               |

| Second Semester                               | Credits   | Term | Grade | Prereqs/Notes |
|---|-----------|------|-------|---------------|
| EET154/155 Electrical Construction I and Lab  | 4         |      |       |               |
| EET252/253 Electrical Construction II and Lab | 4         |      |       |               |
| EET264 Rotating Machinery <b>and</b>          | 2         |      |       |               |
| EET265 Rotating Machinery Lab                 | 2         |      |       |               |
| EET270 Motor Controls <b>and</b>              | 2         |      |       |               |
| EET271 Motor Controls I                       | 2         |      |       |               |
| <b>Total Semester Credit Hours</b>            | <b>16</b> |      |       |               |

| Third Semester                                   | Credits   | Term | Grade | Prereqs/Notes |
|--|-----------|------|-------|---------------|
| EET272 Motor Controls II <b>and</b>              | 2         |      |       |               |
| EET273 Motor Controls II Lab                     | 2         |      |       |               |
| EET276 Programmable Logic Controllers <b>and</b> | 2         |      |       |               |
| EET277 Programmable Logic Controllers Lab        | 2         |      |       |               |
| *General Education Class                         | 3         |      |       |               |
| **Technical Electives                            | 5         |      |       |               |
| <b>Total Semester Credit Hours</b>               | <b>16</b> |      |       |               |

| Fourth Semester                                      | Credits      | Term | Grade | Prereqs/Notes                             |
|--|--------------|------|-------|---|
| EET127 Electrical Capstone                           | 1            |      |       | This is an on-line class                  |
| COE199 Cooperative Education or<br>COED198 Practicum | 1            |      |       |   |
| **Technical Electives                                | 4            |      |       |   |
| CIT105 Computer Fundamentals (Digital Lit.)          | 3            |      |       | If Digital literacy not completed earlier |
| <b>Total Semester Credit Hours</b>                   | <b>9</b>     |      |       |   |
| <b>Total Credential Hours</b>                        | <b>60-63</b> |      |       |   |

*Note: 25% of Total Program Credit Hours must be earned at Bluegrass Community and Technical College.*

Advisor Name:

Advisor Signature: \_\_\_\_\_

Student Name:

Student Signature: \_\_\_\_\_

**Special Instructions:**

\*The General Education classes should be taken throughout the four semesters and not piled up into one or two semesters.

Choose 1: Written Communication, Oral Communications, OR Humanities/Heritage

\*\*The Technical electives should be taken throughout the four semesters and not left to the end due to availability.

**Summer semester attendance is HIGHLY recommended** for taking General Education Classes and Technical elective classes to ease loading and scheduling during Fall and Spring Semesters.