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**Electrical Technology – Electrical Motor Control Level II**

**Certificate**

**Program Coordinator: Antonio Barber E-mail:** **antoniob.barber@kctcs.edu** **Phone: 859-246-6720**

**Program Website:** [**https://bluegrass.kctcs.edu/education-training/program-finder/electrical-technology.aspx**](https://bluegrass.kctcs.edu/education-training/program-finder/electrical-technology.aspx)

**Student Name: Student ID:**

***Students must meet college readiness benchmarks as identified by the Council on Postsecondary Education or remedy the identified skill deficiencies.***

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| **First Semester** | **Credit Hours** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| ELT 110 Circuits I  | 5 |  |  | Math placement for MAT 126 or higher |  |
| EET 250 National Electric Code | 4 |  |  |  |  |
| **Total Semester Credit Hours** | **9** |  |  |  |

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| **Second Semester** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| EET 150 Transformers | 2 |  |  | ELT 110, Coreq: EET 151 |  |
| EET 151 Transformers Lab | 1 |  |  | ELT 110, Coreq: EET 150 |  |
| EET 264 Rotating Machinery | 2 |  |  | ELT 110, ELT 114 Coreq: EET 265 |  |
| EET 265 Rotating Machinery Lab | 2 |  |  | ELT 110 & 114 Coreq: EET 264 |  |
| EET 270 Electrical Motor Controls I | 2 |  |  | ELT 110, Coreq: EET 271 |  |
| EET 271 Electrical Motor Controls I Lab | 2 |  |  | ELT 110, Coreq EET 270 |  |
| Digital Literacy OR If Digital Literacy is satisfied by test, then Technical Elective | 3 |  |  |  |  |
| **Total Semester Credit Hours** | **14** |  |  |  |

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| **Third Semester** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| EET 272 Electrical Motor Control II | 2 |  |  | EET 270, Coreq: EET 273 |  |
| EET 273 Electrical Motor Control II Lab | 2 |  |  | EET 270, Coreq: EET 272 |  |
| EET 276 Programmable Logic Controllers | 2 |  |  | ELT 110, EET 270, EET 272, Coreq: EET 277 |  |
| EET 277 Programmable Logic Controllers Lab | 2 |  |  | ELT 110, EET 271, EET 273, Coreq: EET 276 |  |
| **Total Semester Credit Hours** | **8** |  |  |  |
| **Total Certificate Credit Hours** | **31** |  |  |  |

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| * **25% or more of Total Certificate Credit Hours must be earned at BCTC**
* **Grade of C or higher in each course required for the certificate**
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**Graduation Requirements:**

**Advisor Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Advisor Contact \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Additional Information** |
| Students must complete MAT 065 or 075 or demonstrate an equivalent placement level before enrolling in an ELT class. |