**Engineering and Electronics Technology –**

**Industrial Electronics Technician I Certificate**

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**Program Coordinator: Kevin Jensen E-mail:** [**kevin.jensen@kctcs.edu**](mailto:kevin.jensen@kctcs.edu) **Phone: 859-246-6681**

**Program Website:** [**https://bluegrass.kctcs.edu/education-training/program-finder/engineering-electronics-technology.aspx**](https://bluegrass.kctcs.edu/education-training/program-finder/engineering-electronics-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 |  |
| ELT 114 Circuits II | 5 |  |  | ELT 110 with grade of C or greater |  |
| **Total Semester Credit Hours** | **10** |  |  |  |

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| **Second Semester** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| ELT 120 Digital I | 3 |  |  |  | Can be taken in first semester if schedule permits |
| EET 270 Motor Controls I | 0 – 2 |  |  | ELT 110 with C or greater, Coreq: EET 271 | See note below. |
| EET 271 Motor Controls Lab | 0 – 2 |  |  | ELT 110 with C or greater, Coreq: EET 270 | See note below. |
| **Total Semester Credit Hours** | **3 – 7** |  |  |  |

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| **Third Semester** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| EET 276 Programmable Logic Controllers | 2 |  |  | EET 270 with C or greater, Coreq: EET 277 |  |
| EET 277 Programmable Logic Controllers Lab | 2 |  |  | EET 270 with C or greater, Coreq: EET 276 |  |
| **Total Semester Credit Hours** | **4** |  |  |  |
| **Total Certificate Credit Hours** | **17 – 21** |  |  |  |

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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** |

**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.  EET 270 and EET 271 are prerequisites for EET 276 and EET 277. These prerequisites can be waived if a student has previous ladder logic programming acceptable to the Engineering and Electronics Technology Program Coordinator. |