**Engineering and Electronics Technology**

**Industrial Electronics Technician I Certificate (1503993129)**

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

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| **First Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| ELT110 Circuits I | 5 |  |  | math placement level see instructions below \*\*\* |
| ELT114 Circuits II | 5 |  |  |  |
| **Total Semester Credit Hours** | **10** |  |  |  |

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| **Second Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| ELT120 Digital I | 3 |  |  |  |
| \*\* EET270 Motor Controls I | 2 |  |  | Motor control is not required for certificate BUT  May be needed as prerequisite to EET276 \*\* |
| \*\* EET271 Motor Controls I Lab | 2 |  |  |  |
| **Total Semester Credit Hours** | **7** |  |  |  |

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| **Third Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| EET276 Programmable Logic Controllers **and** | 2 |  |  | See note \*\* |
| EET277 Programmable Logic Controllers Lab | 2 |  |  |  |
| **Total Semester Credit Hours** | **4** |  |  |  |
| **Total Credential Hours** | **21** |  |  |  |

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

**Advisor Name: Advisor Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Student Name: Student Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Special Instructions:** |
| \*\* Motor Controls 1 is not required for the Industrial Technician 1 certificate, if student has previous ladder logic programming course, but will be required as a prerequisite to the Programmable Logic control class if there is no previous ladder logic programming.  \*\*\* MAT065 or MAT075, ACT MATH ≥ 18, COMPASS Alg ≥ 31, WBSTQ ≥ 275, KMATH ≥ 18 |