**Engineering and Electronics Technology (1503997019)**

**Industrial Track (1503997019) Credential (AAS)**

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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/academics/programs\_of\_study/engineering\_and\_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 |  |  |  |
| MAT126 Technical Algebra and Trig. | 3 |  |  |  |
| BRX120 Blueprint Reading | 3 |  |  |  |
| **Total Semester Credit Hours** | **16** |  |  |  |

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| **Second Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| ELT210 Devices I | 4 |  |  | Prerequisite Circuits I |
| ELT214 Devices II | 4 |  |  |  |
| EET270 Motor Controls I **and** | 2 |  |  | Prerequisite Circuits I |
| EET271 Motor Controls Lab | 2 |  |  |  |
| BRX120 Blueprint Reading | 3 |  |  | Gen. Ed. or Technical Elective if BRX 120 require met |
| General Education course | 3 |  |  |  |
| **Total Semester Credit Hours** | **18** |  |  |  |

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| **Third Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| ELT120 Digital I | 3 |  |  |  |
| ELT220 Digital II | 3 |  |  |  |
| EET276 Programmable Logic Controllers **and** | 2 |  |  | Prerequisite Motor Controls I |
| EET277 Programmable Logic Controllers Lab | 2 |  |  |  |
| General Education Classes | 6 |  |  | If needed or Tech elective substituted in |
| **Total Semester Credit Hours** | **16** |  |  |  |

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| **Fourth Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| ELT289 Engineering and Electronics Tech Capstone | 1 |  |  | This is an on-line class |
| General Education class | 6 |  |  |  |
| \*\*Technical Electives | 9 |  |  | As many of the Technical electives as can be taken in earlier semesters should be.  9 hours may not be available the last semester |
| CIT105 Computer Fundamentals (Digital Lit.) or | 3 |  |  | If Digital literacy not completed earlier |
| **Total Semester Credit Hours** | **19** |  |  |  |
| **Total Required Credits** | **69** |

***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:** |
| \*The General Education classes should be taken throughout the four semesters and not piled up into one or two semesters.  General Education Course Areas (one from each area):  Social/Behavioral Sciences  Heritage/Humanities  Written Communication (ENG 101)  Natural Sciences (PHY 171 recommended but any natural science course will apply)  Oral Communications  \*\*The 9 hours of 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.  \*\*\* MAT065 or MAT075, ACT MATH ≥ 18, COMPASS Alg ≥ 31, WBSTQ ≥ 275, KMATH ≥ 18 |