**Engineering and Electronics Technology (1503997019)**

**Computer Maintenance (150399703) Credential (AAS)**

****

**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***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 |  |  |  |
| CIT105 Computer Fundamentals (Digital Lit.) | 3 |  |  |  |
| **Total Semester Credit Hours** | **19** |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Second Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| ELT210 Devices I | 4 |  |  | Prerequisite Circuits I |
| ELT214 Devices II | 4 |  |  | Not required, Can be used as Tech Elective |
| ELT234 Computer Hardware Maintenance | 3 |  |  |  |
| ELT232 Computer Software Maintenance | 3 |  |  |  |
| General Education Class | 3 |  |  |  |
| **Total Semester Credit Hours** | **17** |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Third Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| ELT120 Digital I | 3 |  |  |  |
| ELT220 Digital II | 3 |  |  |  |
| CIT160 Data Communications and Networking | 4 |  |  |  |
| \*General Education Classes | 6 |  |  |  |
| **Total Semester Credit Hours** | **16** |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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.) | 3 |  |  |  |
| **Total Semester Credit Hours** | **19** |  |  |  |
| **Total Required Credits** | **71** |

***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.  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 |