**Engineering and Electronics Technology**

**Robotics and Automation Technician Certificate (1503993099)**

****

**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 |  |  |  |
| FPX100 Fluid Power | 3 |  |  |  |
| FPX101 Fluid Power Lab | 2 |  |  |  |
| **Total Semester Credit Hours** | **15** |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Second Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| ELT210 Devices I | 4 |  |  | Prerequisite Circuits I |
| ELT2120 Digital I | 3 |  |  |  |
| EET270 Motor Controls I | 2 |  |  | Prerequisite Circuits I |
| EET271 Motor Controls I Lab | 2 |  |  |  |
| **Total Semester Credit Hours** | **11** |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Third Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| CMM132 CAD/CAM/CNC | 3 |  |  | **Class not taught each semester. Take when available**. |
| ELT260 Robotics and Industrial Automation | 3 |  |  | **Class not taught each semester. Take when available**. |
| EET276 Programmable Logic Controllers **and** | 2 |  |  | Prerequisite Motor Controls I |
| EET277 Programmable Logic Controllers Lab | 2 |  |  |  |
| **Total Semester Credit Hours** | **10** |  |  |  |
| **Total Credential Hours** | **36** |  |  |  |

***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:** |
| \*\*\* MAT065 or MAT075, ACT MATH ≥ 18, COMPASS Alg ≥ 31, WBSTQ ≥ 275, KMATH ≥ 18 |