**Engineering and Electronics Technology – Automation Technician**

**Certificate**

****

**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.***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **First Semester** | **Credit Hours** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| ELT 110 Circuits I | 5 |  |  | Math placement for MAT 126 or higher |  |
| ELT 265 Applied Fluid Power | 3 |  |  |  | See note below. |
| **Total Semester Credit Hours** | **8** |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Second Semester** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| EET 270 Motor Controls I | 2 |  |  | ELT 110 with C or greater, Coreq: EET 271 |  |
| EET 271 Motor Controls Lab | 2 |  |  | ELT 110 with C or greater, Coreq: EET 270 |  |
| **Total Semester Credit Hours** | **4** |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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** | **16** |  |  |  |

|  |
| --- |
| * **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 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |
| --- |
| **Additional Information** |
| Students must complete MAT 065 or 075 or demonstrate an equivalent placement level before enrolling in an ELT class.  If ELT 265 Applied Fluid Power is not available, FPX 100/101 Fluid Power and Lab may be substituted with the approval of the Engineering and Electronics Technology Program Coordinator. |