[Engineering and Electronics Technology – Maintenance Technician](https://bluegrass.kctcs.edu/education-training/program-finder/engineering-electronics-technology.aspx)

Certificate

Coordinator: John Jors ([john.jors@kctcs.edu](mailto:john.jors@kctcs.edu)) 859-246-6718

Student Name: Student ID:

*Students must meet college readiness benchmarks as identified by the Council on Postsecondary Education or remedy the identified skill deficiencies.*

Semester 1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| ELT 110 Circuits I | 5 |  |  |  |  |
| ELT 114 Circuits II | 5 |  |  | ELT 110 |  |
| Total Semester Credit Hours | 10 |  |  |  |  |

Semester 2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| ELT 265 Applied Fluid Power | 3 |  |  |  | See Additional Information |
| EET 270 Motor Controls I AND  EET 271 Motor Controls Lab | 4 |  |  | ELT 110 |  |
| Total Semester Credit Hours | 7 |  |  |  |  |

Semester 3

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| EET 276 Programmable Logic Cont. AND  EET 277 Programmable Logic Cont. Lab | 4 |  |  | EET 270 & 271 |  |
| BRX 120 Basic Blueprint Reading OR  CAD 100 Intro to Computer Aided Design | 3 – 4 |  |  |  |  |
| Total Semester Credit Hours | 7 – 8 |  |  |  |  |
| Total Certificate Credit Hours | 24 – 25 |  |  |  |  |

**Graduation Requirements:**

* 25% or more of Total Certificate Credit Hours must be earned at BCTC.
* Cumulative GPA must be 2.0 or higher.

Advisor Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Advisor Contact \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Additional Information**

* Students must complete MAT 065 or demonstrate an equivalent placement level before enrolling in an ELT class.
* Students must earn a grade of C or better in all technical courses and a cumulative 2.0 GPA to continue in the Engineering and Electronics Technology program.
* 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.

*Reviewed by: John Jors Effective Term: Spring 2022*

*Review Date: 11-10-2021*