[Engineering and Electronics Technology – Robotics and Automation 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 |  |
| ELT 120 Digital I | 3 |  |  |  |  |
| Total Semester Credit Hours | 13 |  |  |  |  |

Semester 2

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

Semester 3

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| ELT 260 Robotics & Industrial Automation | 5 |  |  | Consent of instructor | See Additional Information |
| EET 276 Programmable Logic Cont. AND  EET 277 Programmable Logic Cont. Lab | 4 |  |  | EET 270 & 271 |  |
| Total Semester Credit Hours | 9 |  |  |  |  |
| Total Certificate Credit Hours | 29 |  |  |  |  |

**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 Industrial Maintenance 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.
* If ELT 260 Robotics and Industrial Automation is not available IMT 200 Industrial Robotics and Robotic Maintenance may be substituted with the approval of the Engineering and Electronics Technology Program Coordinator. This may require an additional 1 credit hour taken to make up the credit hour difference between ELT 260 and IMT 200 to meet the minimum 29 credit hour requirement for the certificate.

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

*Review Date: 11-10-2021*