[Industrial Maintenance Technology – Robotics Technician](https://bluegrass.kctcs.edu/education-training/program-finder/industrial-maintenance.aspx)

Certificate

Coordinator: Mike Binzer ([mike.binzer@kctcs.edu](mailto:mike.binzer@kctcs.edu)) 859-246-6518

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 OR  IMT 110 Industrial Maintenance Electrical Principles AND IMT 111 Industrial Maintenance Electrical Principles Lab | 5 |  |  |  |  |
| FPX 100 Fluid Power AND  FPX 101 Fluid Power Lab | 5 |  |  |  | See Note |
| Total Semester Credit Hours | 10 |  |  |  |  |

Semester 2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| IMT 150 Maint. Industrial Equipment I AND  IMT 151 Maint. Industrial Equipment I Lab | 5 |  |  |  | See Note |
| EET 270 Electrical Motor Controls I AND  EET 271 Electrical Motor Controls I Lab | 4 |  |  | ELT 110 or IMT 100 & 111 |  |
| IMT 200 Ind. Robotics and Robotic Maint. | 4 |  |  |  |  |
| Total Semester Credit Hours | 13 |  |  |  |  |

Semester 3

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| EET 276 Programmable Logic Cont. AND  EET 277 Prog. Logic Cont. Lab | 4 |  |  | EET 270 & 271 or Consent of Instructor |  |
| Total Semester Credit Hours | 4 |  |  |  |  |
| Total Certificate Credit Hours | 27 |  |  |  |  |

**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 11 (Modules 5-8) or 075 or demonstrate an equivalent placement level before enrolling in an ELT class.
* FPX 100 and FPX 101 can be taken in the Second Semester if they are not available in the First Semester.
* IMT 150 and IMT 151 can be taken in the First Semester if FPX 100 and FPX 101 are not available in the First Semester.

The following alternatives may be taken for program classes:

* FPX100/101 = ELT265
* IMT 110/111 = ELT 110, EET119
* EET270/271 = IMT220/221, ELT244, IMT 120/121, EET264/265
* IMT100/101 = WLD120/121, WLD140/141, WLD152
* EET276/277= IMT280/281, IET203, ELT 250

*Reviewed by: Mike Binzer Effective Term: Fall 2021*

*Review Date: 03-09-2021*