****

**Industrial Maintenance Technology – Industrial Maintenance**

**Robotics Technician Certificate**

**Certificate**

**Program Coordinator: Mike Binzer E-mail: mike.binzer@kctcs.edu Phone: 859-246-6518**

**Program Website:** [**https://bluegrass.kctcs.edu/education-training/program-finder/industrial-maintenance.aspx**](https://bluegrass.kctcs.edu/education-training/program-finder/industrial-maintenance.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** |
| IMT 110 Industrial Maintenance Electrical Principles AND IMT 111 Industrial Maintenance Electrical Principle Lab ORELT 110 Circuits I | 5 |  |  |  |  |
| FPX 100 Fluid Power | 3 |  |  | Coreq: FPX 101 | See Note below. |
| FPX 101 Fluid Power Lab | 2 |  |  | Coreq: FPX 100 | See Note below. |
| **Total Semester Credit Hours** | **10** |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Second Semester** | **Credit Hours** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| IMT 150 Maintaining Industrial Equipment I | 3 |  |  | Coreq: IMT 151 |  |
| IMT 151 Maintaining Industrial Equipment I Lab | 2 |  |  | Coreq: IMT 150 |  |
| EET 270 Electrical Motor Controls I | 2 |  |  | ELT 110 |  |
| EET 271 Electrical Motor Controls I Lab | 2 |  |  | Coreq: EET 270 |  |
| IMT 200 Industrial Robotic and Robotic Maintenance | 4 |  |  |  |  |
| **Total Semester Credit Hours** | **13** |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Third Semester** | **Credit Hours** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| EET 276 Programmable Logic Controllers | 2 |  |  | Coreq: EET 277 |  |
| EET 277 Programmable Logic Controllers Lab | 2 |  |  | Coreq: EET 276 |  |
| **Total Semester Credit Hours** | **4** |  |  |  |  |
| **Total Certificate Credit Hours** | **27** |  |  |  |  |

|  |
| --- |
| * **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.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. |