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**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)

**Student Name: Student ID:**

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

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| **First Semester** | **Credit Hours** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| ELT 110 Circuits I\* OR IMT 110 Industrial Maintenance Electrical Principles AND IMT 111 Industrial Maintenance Electrical Principle Lab | 5 |  |  |  |  |
| FPX 100 Fluid Power and FPX 101 Fluid Power Lab | 5 |  |  |  | See Note below. |
| **Total Semester Credit Hours** | **10** |  |  |  |  |

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| **Second Semester** | **Credit Hours** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| IMT 150 Maintaining Industrial Equipment I and IMT 151 Maintaining Industrial Equipment I Lab | 5 |  |  |  | See Note below. |
| EET 270 Electrical Motor Controls I and EET 271 Electrical Motor Controls I Lab | 4 |  |  | ELT 110 or IMT 100 & 111 |  |
| IMT 200 Industrial Robotics and Robotic Maintenance | 4 |  |  |  |  |
| **Total Semester Credit Hours** | **13** |  |  |  |  |

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| **Third Semester** | **Credit Hours** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| EET 276 Programmable Logic Controllers and EET 277 Programmable Logic Controllers Lab | 4 |  |  | EET 270 & 271 or Consent of Instructor |  |
| **Total Semester Credit Hours** | **4** |  |  |  |  |
| **Total Certificate Credit Hours** | **27** |  |  |  |  |

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

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| **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  **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 |