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**Program name (Industrial Maintenance) Danville Campus**

**Credential (AAS 4703037019)**

**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 need to be at KCTCS placement levels for all courses***

**Fall Start**

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| **First Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| MAT 116 or MAT 126 or MAT 150 Math | 3 | Fall |  |  |
| IMT 110/111 Basic Electricity or ELT 110 Circuits I | 5 | Fall |  |  |
| FPX 100/101 Fluid Power or Tech Elective | 5 | Fall |  | ELT 114 could be taken and FPX next Fall FPX 100/101 is Fall Only |
| General Education: His/Hum  | 3 | Fall |  |  |
| **Total Semester Credit Hours** | **16** |  |  |  |

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| **Second Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| EET 270/271 Motor Controls I | 4 | Spring |  | IMT 110 or ELT 110 Prereq |
| IMT 150/151 Maintaining Industrial Equipment | 5 | Spring |  | IMT 150/151 is Spring Only |
| IMT 100/101 Welding | 5 | Spring |  |  |
| Technical Elective  | 5 | Spring |  | See Recommendations below |
| **Total Semester Credit Hours** | **19** |  |  |  |

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| **Third Semester (summer)** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| ENG 101 English | 3 | Summer |  |  |
| General Education: Oral Com  | 3 | Summer |  |  |
| General Education: Natural Science | 3 | Summer |  |  |
| General Education: Soc-Beh Sci | 3 | Summer |  |  |
| Digital Literacy | 3-4 | Summer |  | Recommend CAD 103; 4 credit hours, 3 hours for digital lit and 1 hour used for elective |
| **Total Semester Credit Hours** | **15-16** |  |  |  |

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| **Fourth Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| BRX 110 or 120 Blueprint Reading | 2-3 | Fall |  |  |
| Technical Electives  | 5 | Fall |  | See Recommendations below |
| Technical Elective or Fluid Power | 4 | Fall |  | See Recommendations below |
| Technical Elective | 4 | Fall |  | See Recommendations below |
| IMT 289 Capstone | 1 | Fall |  |  |
| **Total Semester Credit Hours** | **16-17** |  |  |  |
| **Total Credential Hours** | **66-68** |

***Note: 25% of Total Program Credit Hours must be earned at Bluegrass Community and Technical College.***

**Advisor Name: Advisor Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Student Name: Student Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Course Rotation Schedule (if applicable)** |
| ELT 260 Robotics | Only Offered in Fall |
| IMT 150 (Maintaining Ind. Equ.) | Spring Only |
| FPX 100/101 | Fall Only |
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| **Approved Electives (if applicable)** |
|  | \*Recommended |
| EET 272/273 | Motor Controls II\* (Prereq: EET 270/271) |
| EET 276/277 | Programmable Logic Controllers\* (Prereq: EET 270/271) |
| CMM 114 | Fundamentals of Machine Tool\* (Fall) |
| ELT 260  | Robotics and Industrial Automation\* (Spring) |
| IET 1301,1302,1303, 1304 or 1305 | Manufacturing Core Exercises |
| IMT | Any industrial maintenance classes |
| EET | Any Electronics Technology Classes |
| ELT | Any Engineering and Electronics Technology classes |
| CMM 110 | Limited Availability Summer |
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