**Diploma Integrated Engineering Technology**

**(1442014019)**

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**Program Coordinator: Paul Turner E-mail:** [**paul.turner@kctcs.edu**](mailto:paul.turner@kctcs.edu) **Phone: (859)246-6717**

**Program Website:** [**https://bluegrass.kctcs.edu/education-training/program-finder/integrated-engineering-technology.aspx**](https://bluegrass.kctcs.edu/education-training/program-finder/integrated-engineering-technology.aspx)

**Student Name: Student ID:**

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

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| **First Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| IET107 Basic Electricity | 3 |  |  |  |
| IET104 Blueprint Reading Schematics | 2 |  |  |  |
| IET102 Preventive Maintenance | 2 |  |  |  |
| IET109 Safety | 3 |  |  |  |
| IET108 Mechanical Drives | 5 |  |  |  |
| MAT126 Technical Algebra and Trigonometry | 3 |  |  |  |
| **Total Semester Credit Hours** | **18** |  |  |  |

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| **Second Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| IET120 Machine Tool Operations | 4 |  |  |  |
| IET205 Robot Maintenance | 4 |  |  |  |
| IET206 Controls and Instrumentation | 5 |  |  |  |
| CIT105 Computer/Digital Literacy | 3 |  |  |  |
| **Total Semester Credit Hours** | **16** |  |  |  |

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| **Third Semester** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| IET201 Electrohydraulics Pneumatics | 6 |  |  |  |
| IET203 Programmable Logic Controllers | 5 |  |  |  |
| IET110 Welding and Fabrication | 4 |  |  |  |
| \*General Education Class | 3 |  |  |  |
| **Total Semester Credit Hours** | **18** |  |  |  |
| **Total Credential Hours** | **52** |  |  |  |

***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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| **Special Instructions:** |
| **Summer semester attendance Is HIGHLY recommended** for taking General Education Classes and Technical elective classes to ease loading and scheduling during Fall and Spring Semesters.  Written/Oral Communications, or Heritage/Humanities |