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**Computerized Manufacturing and Machining (4805037019)**

Associate in Applied Science

**Program Coordinator: Danny Roberts E-mail: danny.roberts@kctcs.edu Phone: 859-246-6773**

**Program Website:** [**https://bluegrass.kctcs.edu/education-training/program-finder/computerized-manufacturing-machining.aspx**](https://bluegrass.kctcs.edu/education-training/program-finder/computerized-manufacturing-machining.aspx)

**Student Name: Student ID:**

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

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| **First Semester FALL** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| CMM 114 Fundamentals of Machine Tools | 6 |  |  | **New students must start CMM classes in Fall Semester** |
| CMM 118 Metrology/Control Charts | 2 |  |  |  |
| BRX 112 Blueprint Reading for Machinist | 4 |  |  |  |
| MAT 116 Technical Mathematics | 3 |  |  | OR any higher math will substitute |
| Digital Literacy (taken or demonstrated) | 0-3 |  |  |  |
| **Total Semester Credit Hours** | **18** |  |  |  |

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| **Second Semester SPRING** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| CMM 124 Applied Machining | 6 |  |  |  |
| CMM 134 Manual Programming CAD/CAM/CNC **OR** |  |  |  |  |
| CMM 138 Intro to Programming and CNC Machines | 6 |  |  |  |
| General Education | 3 |  |  |  |
| **Total Semester Credit Hours** | **15** |  |  |  |

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| **Third Semester FALL** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| CMM 214 Industrial Machining | 6 |  |  |  |
| CMM 230 Conversational Programming **OR** |  |  |  |  |
| CMM 234 CNC Machines and Coding Practices | 6 |  |  |  |
| Required Elective (choice taken 3rd or 4th semester) | 1 |  |  |  |
| General Education | 3 |  |  |  |
| **Total Semester Credit Hours** | **15-16** |  |  |  |

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| **Fourth Semester SPRING** | **Credits** | **Term** | **Grade** | **Prereqs/Notes** |
| CMM 224 Advanced Industrial Machining | 6 |  |  |  |
| CMM 240 Intro to 3-D Programming **OR** |  |  |  |  |
| CMM 244 Advanced Programming/Setup Practices | 6 |  |  |  |
| Required Elective (choice taken 3rd or 4th semester) | 1 |  |  |  |
| General Education | 6 |  |  |  |
| **Total Semester Credit Hours** | **18-19** |  |  |  |
| **Total Credential Hours** | **64-68** |  |  |  |

***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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| **Special Instructions:** |
| General Education Classes Required: (Summer classes may be taken to complete)ENG 101Natural ScienceSocial/Behavioral ScienceHeritage/HumanitiesDigital Literacy (taken or demonstrated) |

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| **Course Rotation Schedule (if applicable)** |
| Fall Only | CMM 114, CMM 118, BRX 112, MAT 116, CMM 214, CMM 230, CMM 234 |
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| Spring Only | CMM 124, CMM 134, CMM 138, CMM 224, CMM 240, CMM 244 |
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| **Approved Electives (if applicable)** |
| CMM 298 Practicum | 1 Credit |
| CMM 299 CO-OP | 1 Credit |
|  | Choice of CMM 298 or CMM 299 one must be taken for graduation  |
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