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**Computerized Manufacturing and Machining – CNC Operator**

 **Certificate**

**Associate in Applied Science degree**

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

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| **New students must start CMM classes in the Fall semester.** |
| **First Semester** | **Credit Hours** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| CMM 114 Fundamentals of Machine Tools | 6 |  |  |  | Fall only |
| CMM 118 Metrology/Control Charts | 2 |  |  |  | Fall only |
| BRX 112 Blueprint Reading for Machinist | 4 |  |  |  | Fall only |
| MAT 116 Technical Mathematics or MAT 126 Technical Algebra and Trigonometry or Higher | 3 |  |  |  |  |
| **Total Semester Credit Hours** | **15** |  |  |  |

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| **Second Semester** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| CMM 134 Manual Programming CAD/CAM/CNC ORCMM 138 Intro to Programming and CNC Machines | 6 |  |  | CMM 114 | Spring only |
| Digital Literacy | 0-3 |  |  |  | Digital literacy course or competency exam |
| **Total Semester Credit Hours** | **6 – 9** |  |  |  |

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| **Third Semester** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| CMM 230 Conversational Programming ORCMM 234 CNC Machines and Coding Practices | 6 |  |  | Instructor Consent RequiredCMM 134 or CMM 138  | Fall only |
| **Total Semester Credit Hours** | **6** |  |  |  |
| **Total Certificate Credit Hours** | **27 – 30** |  |  |  |

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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**
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**Graduation Requirements:**

**Advisor Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Advisor Contact \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**