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**Computerized Manufacturing and Machining – Exploratory Machining I**

**Certificate**

**Associate in Applied Science degree**

**Program Coordinator: Danny Roberts E-mail:** [**danny.roberts@kctcs.edu**](mailto:danny.roberts@kctcs.edu) **Phone: 859-246-6773**

[**Program Website**](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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| **First Semester** | **Credit Hours** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| CMM 114 Fundamentals of Machine Tools OR  CMM 134 Manual Programming CAD/CAM/CNC OR  CMM 138 Intro to Programming and CNC Machines | 6 |  |  | CMM 114 – None  CMM 134 – Instructor Consent  CMM 138 – Instructor Consent | CMM 114 Fall only  CMM 134 Spring only  CMM 138 Spring only |
| Electives | 5 – 6 |  |  |  | 5 credit hours are required if CMM 114 is taken.  6 credit hours are required if either CMM 134 or CMM 138 is taken |
| **Total Semester Credit Hours** | **11 – 12** |  |  |  |
| **Total Certificate Credit Hours** | **11 – 12** |  |  |  |

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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** |
| New students must start CMM classes in the Fall semester.  General Education courses (math, natural sciences, writing, social and behavioral sciences, and heritage or humanities) can be taken in any order. It is recommended that math be taken in the first semester if possible.  Students must earn a grade of C or better in each CMM and BRX course.  Alternate course numbers that are equivalent to courses listed in the above plan:  CMM 110 and CMM 112 = CMM 114  CMM 130 and CMM 134 = CMM 134 |