

Associate in Applied Science Computerized Manufacturing and Machining

| Name _____ | Empl. ID# _____ | Date Entered _____ | Date Grad. _____ |
|-----------------------------------|-----------------|--------------------|------------------|
| DEVELOPMENTAL COURSES AS NEEDED | | Notes | |
| RDG 100, RDG 30 | | | |
| ENC 91 | | | |
| MAT 55 | | | |
| MAT 65 | | | |
| MAT 85 (if taking MAT 146 or 150) | | | |

| GENERAL EDUCATION COURSES | Credit | Res | Tr | Notes |
|---|-----------------|-----|----|-------|
| ENG 101 Writing I | 3 | | | |
| MAT 116 Technical Mathematics <i>OR</i> MAT 126 Technical Algebra & Trigonometry <i>OR</i> higher Quantitative Reasoning course | 3 (3) (3) | | | |
| Heritage/Humanities | 3 | | | |
| Natural Sciences | 3 | | | |
| Social and Behavioral Sciences | 3 | | | |
| GENERAL EDUCATION SUBTOTAL | 15 | | | |

| TECHNICAL COURSES | Credit | Res | Tr | Notes |
|---|-----------------|-----|----|--|
| Digital Literacy | 0-3 | | | Or digital literacy exam; required for KCTCS degree |
| BRX 110 Basic Blueprint Reading for Machinist <i>AND</i> BRX 210 Mechanical Blueprint Reading <i>OR</i> BRX 112 Blueprint Reading for Machinist | 2 2 (4) | | | Recommended first semester Prereq: BRX 110 with grade of C or better or instructor consent |
| CMM 110 Fundamentals of Machine Tools A <i>AND</i> CMM 112 Fundamentals of Machine Tools B <i>OR</i> CMM 114 Fundamentals of Machine Tools | 3 3 (6) | | | Recommended first semester |
| CMM 118 Metrology/Control Charts | 2 | | | Recommended first semester |
| CMM 124 Applied Machining | 6 | | | Prereq: CMM 114 with grade of C or better or instructor consent |
| CMM 134 Manual Programming/CAD/CAM/CNC <i>OR</i> CMM 130 Manual Programming <i>AND</i> CMM 132 CAD/CAM/CNC | 6 (3) (3) | | | Prereq: CMM 114 with grade of C or better or instructor consent |
| CMM 214 Industrial Machining | 6 | | | Prereq: CMM 124 with grade of C or better or instructor consent |
| CMM 230 Conversational Programming | 6 | | | Prereq: instructor consent |
| CMM 224 Advanced Industrial Machining | 6 | | | Prereq: CMM 134 (or CMM 130 and 132) with grade of C or better or instructor consent |
| CMM 240 Intro to 3-D Programming | 6 | | | Prereq: CMM 134 (or CMM 130 and 132) with grade of C or better or instructor consent |
| CMM 298 Practicum <i>OR</i> CMM 298 Cooperative Education Program | 1 (1) | | | |

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|---|--------------|--|--|
| TECHNICAL COURSES SUBTOTAL | 48-51 | | |
| COMPUTERIZED MANUFACTURING AND MACHINING TOTAL | 64-67 | | |

Students enrolled in the Computerized Manufacturing and Machining program must achieve a minimum grade of “C” in each technical course.

For a list of KCTC general education classes in each category, go to [http:// https://kctcs.edu/media/student/2017-18-catalog/KCTCS%202017-18%20Catalog_for%20printer.pdf](http://https://kctcs.edu/media/student/2017-18-catalog/KCTCS%202017-18%20Catalog_for%20printer.pdf) > Academic Services section> pp. 72-76.
Or www.kctcs.edu> degrees training> catalog> Academic Services section> pp. 72-76.

June 2018