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| **Catalog Year 2020-2021**  BTC, CNC Programmer | ***(For internal use only)***  *No change*  *UCC proposal* |
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| **Course Subject and Title** | **Cr.** | **Min.**  **Grade** | **\*GE,**  **UU or UM** | **\*\*Sem. Offered** | **Prerequisite** | **Co-Requisite** |
| Semester One | | | | | | |
| MACH 0261: CNC Introduction to Theory (early 8 weeks) | 2 | D- |  | F,S |  | MACH 0265 |
| MACH 0165: Introduction to CNC Machine Practice (early 8 weeks) | 4 | D- |  | F,S |  | MACH 0261 |
| MACH 0270: CNC Machining Practice I (late 8 weeks) | 4 | D- |  | F,S |  | MACH 0271 |
| MACH 0271: CNC Programming Theory I (late 8 weeks) | 2 | D- |  | F,S |  | MACH 0270 |
| MACH 0272: CNC Math I (late 8 weeks) | 3 | D- |  | F,S | MACH 0135 |  |
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|  |  |  |  |  |  |  |
| Total | 15 |  |  |  |  |  |
| Semester Two | | | | | | |
| MACH 0281: CNC Programming Theory II (early 8 weeks) | 1 | D- |  | F,S | MACH 0271 | MACH 0290 |
| MACH 0290: CNC Machining Practice II (early 8 weeks) | 3 | D- |  | F,S | MACH 0270 | MACH 0281 |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Total | 4 |  |  |  |  |  |
| \*GE=General Education Objective, UU=Upper Division University, UM= Upper Division Major  \*\*See Course Schedule section of Course Policies page in the e-catalog (or input F, S, Su, etc.) | | | | | | |

A Major Academic Plan (MAP) is one way to complete a degree in a set number of semesters. The *example* below is only one strategy. Actual plans for individual students will vary based on advisor recommendations and academic needs. Official Program Requirements including Major, General Education, Electives, and university requirements (see pg.2) are based on Catalog Year.

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| **2020-2021 Major Requirements** | **CR** | **GENERAL EDUCATION OBJECTIVES**  **Satisfy Objectives 1 and 2** | | | | **0 cr. min** |
| **MAJOR REQUIREMENTS** | **19** | 1. Written English (3 cr. min) | | | |  |
| MACH 0261: CNC Introduction to Theory | 2 |  | | | |  |
| MACH 0265: Introduction to CNC Machine Practice | 4 | 2. Spoken English (3 cr. min) | | | |  |
| MACH 0270: CNC Machining Practice I | 4 | 3. Mathematics (3 cr. min) | | | |  |
| MACH 0271: CNC Programming Theory I | 2 | 4. Humanities, Fine Arts, Foreign Lang. | | | | |
| MACH 0272: CNC Math I | 3 |  | | | |  |
| MACH 0281: CNC Programming Theory II | 1 |  | | | |  |
| MACH 0290: CNC Machining Practice II | 3 | 5. Natural Sciences | | | | |
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|  |  |  | | | |  |
|  |  | 6. Behavioral and Social Science | | | | |
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|  |  |  | | | |  |
|  |  | One Course from EITHER Objective 7 OR 8 | | | | |
|  |  | 7. Critical Thinking | | | |  |
|  |  | 8. Information Literacy | | | |
|  |  | 9. Cultural Diversity | | | | |
|  |  |  | | | |  |
|  |  | General Education Elective to reach 36 cr. min. **(if necessary)** | | | | |
|  |  |  | | | |  |
|  |  | **Total GE** | | | | **0** |
|  |  | Undergraduate Catalog and GE Objectives by [Catalog Year](https://www.isu.edu/advising/academic-support/general-education/)  *http://coursecat.isu.edu/undergraduate/programs/* | | | | |
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|  |  | **MAP Credit Summary** | | | | **CR** |
|  |  | Major | | | | 19 |
|  |  | General Education | | | |  |
|  |  | Upper Division Free Electives to reach 36 credits | | | |  |
|  |  | Free Electives to reach 120 credits | | | |  |
|  |  | TOTAL | | | | 19 |
|  |  |  | | | | |
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|  |  | **Graduation Requirement Minimum Credit Checklist** | | | **Confirmed** | |
|  |  | Minimum 36 cr. General Education Objectives (15 cr. AAS) | | |  | |
|  |  | Minimum 15 cr. Upper Division in Major (0 cr. Associate) | | |  | |
|  |  | Minimum 36 cr. Upper Division Overall (0 cr. Associate) | | |  | |
|  |  | Minimum of 120 cr. Total (60 cr. Associate) | | |  | |
|  |  |  | |  | | |
| **Advising Notes** | | ***MAP Completion Status (for internal use only)*** | | | | |
|  | |  | *Date* | | | |
|  | |  |  | | | |
|  | | *CAA or COT:* | TIM 03/27/2020 | | | |
|  | |  |  | | | |
|  | | **Complete College American Momentum Year**  **Math and English course in first year-Specific GE MATH course identified**  **9 credits in the Major area in first year**  **15 credits each semester (or 30 in academic year)**  **Milestone courses** | | | | |
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|  | | Form Revised 9.10.2019 | | | | |

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