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| **Catalog Year 2019 2020****BTC, CNC Programmer** | ***(For internal use only)***[ ]  *No change*[ ]  *UCC proposal* |

BTC, CNC Programmer

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

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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 |  |
|  |  |  |  |  |  |  |
|  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.)  |

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| **2019-2020 Major Requirements** | **CR** | **GENERAL EDUCATION OBJECTIVES****\* GE Objectives not required** | **0 Cr.****Min** |
| **Computerized Mach Tech-CNC, BTC: MAJ REQUIREMENTS** | **19** |   |  |
| MACH 0261: CNC Introduction to Theory | 2 |   |  |
| MACH 0265: Introduction to CNC Machine Practice | 4 |   |  |
| MACH 0270: CNC Machining Practice I | 4 |   |  |
| MACH 0271: CNC Programming Theory I | 2 |   |
| MACH 0272: CNC Math I | 3 |   |  |
| MACH 0281: CNC Programming Theory II | 1 |   |  |
| MACH 0290: CNC Machining Practice II | 3 |   |
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|  |  |  **Total GE** |  |
|  |  | Undergraduate Catalog and GE Objectives by [Catalog Year](https://www.isu.edu/advising/academic-support/general-education/)  |
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|  |  | **MAP Credit Summary** | **CR** |
|  |  | Major  | 19 |
|  |  | General Education  | 0 |
|  |  | Free Electives to reach 60 | 0 |
|  |  |  TOTAL | 19 |
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|  |  | **Graduation Requirement Minimum Credit Checklist** | **Confirmed** |
|  |  | Minimum 15 cr. General Education Objectives (Associate) |  |
|  |  | Minimum 60 cr. Total (Associate) |  |  |
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| **Advising Notes** | ***MAP Completion Status (for internal use only)*** |
| Requires machining experience; a student needs instructor permission |  | *Date* |
| to enroll in this option. | *Department:*  |  |
|  | *CAA or COT:* | TIM 06/11/2019 jh |
|  | *Registrar:*  |  |
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 Form Revised 1.24.2018