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| **Catalog Year 2020-2021**ADTC CNC Operator | ***(For internal use only)***[x]  *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 0110: Engine Lathe Practice I (early 8 weeks) | 3 | D- |  | F, S |  | MACH 0111 |
| MACH 0111: Engine Lathe Theory I (early 8 weeks) | 2 | D- |   | F, S |  | MACH 0110 |
| MACH 0112: Machine Math I (early 8 weeks) | 3 | D- |  | F, S |  |  |
| MACH 0120: Milling Practice I (late 8 weeks) | 3 | D- |  | F, S |  | MACH 0121 |
| MACH 0121: Milling Theory I (late 8 weeks) | 2 | D- |  | F, S |  | MACH 0120 |
| MACH 0123: Interpreting Blueprints (late 8 weeks) | 1 | D- |  | F, S |  |  |
|  Total | 14 |  |  |  |  |  |
| Semester Two |
| GE Objective 2: COMM 1101 Principles of Speech | 3 | D- | GE |  |  |  |
| MACH 0115: Applied Machining Geometry (early 8 weeks) | 2 | D- |  | F, S |  |  |
| MACH 0131: CNC Mill Setup (early 8 weeks) | 2 | D- |  | F, S |  |  |
| MACH 0145: Geometric Dimensioning and Tolerancing I (early 8 weeks) | 1 | D- |  | F, S |  |  |
| MACH 0135: Applied Machining Trigonometry (late 8 weeks) | 2 | D- |  | F, S |  |  |
| MACH 0141: CNC Lathe Setup (late 8 weeks) | 2 | D- |  | F, S |  |  |
| MACH 0245: Geometric Dimensioning and Tolerancing II (late 8 weeks) | 1 | D- |  | F, S |  |  |
|  Total | 13 |  |  |  |  |  |
| Semester Three (Summer) |
| GE Objective 1: ENGL 1101 English Composition or ENGL 1101P | 3 or 4 | D- | GE |  |  |  |
| MACH 0261: CNC Introduction to Theory (late 8 weeks) | 2 | D- |  | F, S |  | MACH 0265 |
| MACH 0265: Introduction to CNC Machine Practice (late 8 weeks) | 4 | D- |  | F, S |  | MACH 0261 |
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|  |  |  |  |  |  |  |
|  Total | 9 |  |  |  |  |  |
| Semester Four |
| TGE 0158 Employment Strategies | 2 | D- |  | F, S |  |  |
| MACH 0230: CNC Mill Operations (early 8 weeks) | 8 | D- |  | D |  | MACH 0261 |
| MACH 0240: CNC Late Operations (late 8 weeks) | 8 | D- |  | D |  | MACH 0261 |
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|  |  |  |  |  |  |  |
|  Total | 18 |  |  |  |  |  |
| \*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 1,2,3,4,5,6 (7 or 8) and 9** | **6 cr. min** |
| **MAJOR REQUIREMENTS** | **48** | 1. Written English (3 cr. min) ENGL 1101 | 3 |
| MACH 0110: Engine Lathe Practice I (early 8 weeks) | 3 |  |  |
| MACH 0111: Engine Lathe Theory I (early 8 weeks) | 2 | 2. Spoken English (3 cr. min) COMM 1101 | 3 |
| MACH 0112: Machine Math I (early 8 weeks) | 3 | 3. Mathematics  |  |
| MACH 0120: Milling Practice I (late 8 weeks) | 3 | 4. Humanities, Fine Arts, Foreign Lang.  |
| MACH 0121: Milling Theory I (late 8 weeks) | 2 |  |  |
| MACH 0123: Interpreting Blueprints (late 8 weeks) | 1 |  |  |
| MACH 0115: Applied Machining Geometry (early 8 weeks) | 2 | 5. Natural Sciences  |
| MACH 0131: CNC Mill Setup (early 8 weeks) | 2 |  |  |
| MACH 0145: Geometric Dimensioning and Tolerancing I (early 8 weeks) | 1 |  |  |
| MACH 0135: Applied Machining Trigonometry (late 8 weeks) | 2 |  |  |
| MACH 0141: CNC Lathe Setup (late 8 weeks) | 2 | 6. Behavioral and Social Science  |
| MACH 0245: Geometric Dimensioning and Tolerancing II (late 8 weeks) | 1 |  |  |
| MACH 0261: CNC Introduction to Theory (late 8 weeks) | 2 |  |  |
| MACH 0265: Introduction to CNC Machine Practice (late 8 weeks) | 4 | One Course from EITHER Objective 7 OR 8  |
| MACH 0230: CNC Mill Operations (early 8 weeks) | 8 | 7. Critical Thinking |  |
| MACH 0240: CNC Late Operations (late 8 weeks) | 8 | 8. Information Literacy  |
| TGE 0158 Employment Strategies | 2 | 9. Cultural Diversity  |
|  |  |  |  |
|  |  | General Education Elective to reach 36 cr. min. **(if necessary)** |
|  |  |   |  |
|  |  |  **Total GE** | **6** |
|  |  | 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  | 48 |
|  |  | General Education  | 6 |
|  |  | Upper Division Free Electives to reach 36 credits | 0 |
|  |  | Free Electives to reach 120 credits | 0 |
|  |  |  TOTAL | 54 |
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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 06/19/2020 |
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|  | **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 |

 ADTC CNC Operator

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