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| **Catalog Year 2023-2024**  A.S., Mathematics | ***(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 | | | | | | | | |
| GE Objective 1: ENGL 1101 Writing and Rhetoric I | 3 | C- | GE | | F, S, Su | Appropriate placement score | |  |
| GE Objective 3: Math 1170 Calculus I | 4 | C- | GE | | F, S, Su | MATH 1144 or MATH 1147 |  | |
| GE Objective 4: | 3 |  | GE | | F, S, Su |  |  | |
| GE Objective 6: | 3 |  | GE | | F, S, Su |  |  | |
| GE Objective 4: | 3 |  | GE | | F, S, Su |  |  | |
| Total | 16 |  |  | |  |  |  | |
| Semester Two | | | | | | | | |
| GE Objective 1: ENGL 1102 Writing and Rhetoric II | 3 | C- | GE | | F, S, Su | ENGL 1101 or equivalent |  | |
| Math 1175 Calculus II | 4 | C- |  | | F, S, Su | MATH 1170 |  | |
| MATH 2240 Linear Algebra | 3 |  |  | | F, S, Su | MATH 1170 |  | |
| GE Objective 7: CS 1181 Intro to CS & Programming I | 3 |  | GE | | F, S | MATH 1143 or MATH 1147 | MATH 1143 or MATH 1147 | |
|  |  |  |  | |  |  |  | |
| Total | 13 |  |  | |  |  |  | |
| Semester Three | | | | | | | | |
| Math 2275 Calculus III | 4 |  |  | | F, S, Su | MATH 1175 |  | |
| Math 2287 Foundations of Mathematics | 3 |  |  | | F | MATH 1170 |  | |
| GE Objective 2: COMM 1101 Principles of Speech | 3 |  | GE | | F, S, Su |  |  | |
| GE Objective 5: No lab | 3 |  | GE | | F, S, Su |  |  | |
| Free Electives | 3 |  |  | |  |  |  | |
| Total | 16 |  |  | |  |  |  | |
| Semester Four | | | | | | | | |
| Any 3 credit course at 3000- or 4000-level in MATH | 3 |  | UM | |  |  |  | |
| GE Objective 6: | 3 |  | GE | | F, S, Su |  |  | |
| GE Objective 9: | 3 |  | GE | | F, S, Su |  |  | |
| GE Objective 5: w/lab | 4 |  | GE | | F, S, Su |  |  | |
| Free Electives | 2 |  |  | |  |  |  | |
| Total | 15 |  |  | |  |  |  | |
| \*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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| **2023-2024 Major Requirements** | **CR** | **GENERAL EDUCATION OBJECTIVES**  **Satisfy Objectives 1,2,3,4,5,6 (7 or 8) and 9** | | | | | **36 cr. min** | |
| **MAJOR REQUIREMENTS** | **17** | 1. Written English (6 cr. min) ENGL 1101 | | | | | 3 | |
| CS 1181 Intro to CS & Programming I (counted in GE Obj. 7) | | ENGL 1102 | | | | | 3 | |
| MATH 1170 Calculus I (counted in GE Obj. 3) | | 2. Spoken English (3 cr. min) COMM 1101 | | | | | 3 | |
| MATH 1175 Calculus II | 4 | 3. Mathematics (3 cr. min) MATH 1170 | | | | | 4 | |
| MATH 2240 Linear Algebra | 3 | 4. Humanities, Fine Arts, Foreign Lang. **(2 courses; 2 categories; 6 cr. min)** | | | | | | |
| MATH 2275 Calculus III | 4 |  | | | | |  | |
| MATH 2287 Foundations of Mathematics | 3 |  | | | | |  | |
| **Upper Division MATH course** | **3** | 5. Natural Sciences **(2 lectures-different course prefixes, 1 lab; 7 cr. min)** | | | | | | |
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|  |  | 6. Behavioral and Social Science **(2 courses-different prefixes; 6 cr. min)** | | | | | | |
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|  |  |  | | | | |  | |
|  |  | One Course from EITHER Objective 7 OR 8 **(1course; 3 cr. min)** | | | | | | |
|  |  | 7. Critical Thinking. | | CS/INFO 1181 | | | 3 | |
|  |  | 8. Information Literacy | |  | | |
|  |  | 9. Cultural Diversity **(1 course; 3 cr. min)** | | | | | | |
|  |  |  | | | | |  | |
|  |  | General Education Elective to reach 36 cr. min. **(if necessary)** | | | | | | |
|  |  |  | | | | |  | |
|  |  | **Total GE** | | | | | **38** | |
|  |  | 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 | | | | | 17 | |
|  |  | General Education | | | | | 38 | |
|  |  | Free Electives to reach 60 credits | | | | | 5 | |
|  |  |  | | | | |  | |
|  |  | TOTAL | | | | | 60 | |
|  |  |  | | | | | | |
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|  |  | **Graduation Requirement Minimum Credit Checklist** | | | | **Confirmed** | | |
|  |  | Minimum 36 cr. General Education Objectives (15 cr. AAS) | | | | X | | |
|  |  | Minimum 15 cr. Upper Division in Major (0 cr. Associate) | | | | X | |  |
|  |  | Minimum 36 cr. Upper Division Overall (0 cr. Associate) | | | | X | |  |
|  |  | Minimum of 120 cr. Total (60 cr. Associate) | | | | X | |  |
|  |  |  | | |  | | | |
| **Advising Notes** | | ***MAP Completion Status (for internal use only)*** | | | | | | |
| Students may take both ME 1165 Structured Programming and ME 2266 Symbolic Programming instead of CS 1181. | |  | *Date* | | | | | |
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|  | | *CAA or COT:* |  | | | | | |
|  | |  |  | | | | | |
|  | | **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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