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| **Catalog Year 2019-2020**  A.S., Mathematics | ***(For internal use only)***  *No change*  *UCC proposal* |

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 | | | | | | |
| 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 | 2 |  | GE | F, S, Su |  |  |
| Free Electives | 3 |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Total | 15 |  |  |  |  |  |
| 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 | 3 |  |  |  |  |  |
| Total | 16 |  |  |  |  |  |
| Semester Five |  |  |  |  |  |  |
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| Total |  |  |  |  |  |  |
| Semester Six |  |  |  |  |  |  |
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| Total |  |  |  |  |  |  |
| Semester Seven |  |  |  |  |  |  |
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| Total |  |  |  |  |  |  |
| Semester Eight |  |  |  |  |  |  |
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| Total |  |  |  |  |  |  |
| \*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** | **2018-2019 GENERAL EDUCATION OBJECTIVES**  **Satisfy Objectives 1,2,3,4,5,6 (7 or 8) and 9** | | | | **36 cr. min** | |
| **MAJOR REQUIREMENTS** | **11 or 14** | 1. Written English (6 cr. min) ENGL 1101 | | | | 3 | |
| **Track A** | **14** | ENGL 1102 | | | | 3 | |
| MATH 1123 Math inModern Society (Counted in Objective 3) | | 2. Oral Communication (3 cr. min) COMM 1101 | | | | 3 | |
| MATH 1127 The language of Math | 3 | 3. Mathematics (3 cr. min) MATH 1123 or MATH 1170 | | | | 3 or 4 | |
| MATH 1130 Finite Mathematics | 3 | 4. Humanities, Fine Arts, Foreign Lang. **(2 courses; 2 categories; 6 cr. min)** | | | | | |
| MATH 1144 Trigonometry1 | 2 |  | | | |  | |
| MATH 1160 Survey of Calculus | 3 |  | | | |  | |
| MATH 1153 Statistical Reasoning | 3 | 5. Natural Sciences **(2 lectures-different course prefixes, 1 lab; 7 cr. min)** | | | | | |
| CS 1181 Comp Science & Programming I (Counted in Objective 7) | |  | | | |  | |
| **Track B** | **11** |  | | | |  | |
| MATH 1170 Calculus I (Counted in Objective 3) | |  | | | |  | |
| MATH 1175 Calculus II | 4 | 6. Behavioral and Social Science **(2 courses-different prefixes; 6 cr. min)** | | | | | |
| MATH 2275 Calculus III | 4 |  | | | |  | |
| MATH 2287 Foundations of Mathematics | 3 |  | | | |  | |
| CS 1181 Comp Science & Programming I (Counted in Objective 7) | | One Course from EITHER Objective 7 OR 8 **(1course; 3 cr. min)** | | | | | |
|  |  | 7. Critical Thinking | | CS 1181 | | 3 | |
|  |  | 8. Information Literacy | |
|  |  | 9. Cultural Diversity **(1 course; 3 cr. min)** | | | | | |
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|  |  | General Education Elective to reach 36 cr. min. **(if necessary)** | | | | | |
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|  |  | Total GE | | | | 37 or 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 | | | | 11 or 14 | |
|  |  | General Education | | | | 37 or 38 | |
|  |  | Upper Division Free Electives to reach 36 credits | | | | N/A | |
|  |  | Free Electives to reach 60 credits | | | | 9 or 11 | |
|  |  | TOTAL | | | | 60 | |
|  |  |  | | | | | |
|  |  | **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 |
|  |  |  | | | | | |
|  |  | ***MAP Completion Status (for internal use only)*** | | | | | |
| **Advising Notes** | |  | *Date* | | | | |
| 1 – MATH 1144 may be waived given a sufficient score on placement | | *Department:* |  | | | | |
| test. | | *CAA or COT:* |  | | | | |
|  | | *Registrar:* |  | | | | |
|  | | **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