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| **Catalog Year 2020-2021**  AAS, Civil Engineering Technology | ***(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 | |  | | Appropriate placement score |  |
| CET 0110 Applied Mathematics I  (\*For alternate see Advisor ) | 3 | C- |  | | F | |  |  |
| CET 0111: Drawing with CAD | 3 | C- |  | | F | |  |  |
| CET 0112: Beginning Survey | 3 | C- |  | | F | |  |  |
| CET 0115A: Materials Testing I **OR**  CET 0113: Civil and Geomatics Engineering Technology I | 4  2 | C- |  | | F  F,S,Su | |  |  |
| Total | 14-16 |  |  | |  | |  |  |
| Semester Two | | | | | | | | |
| GE Objective 2: COMM 1101 Principles of Speech | 3 | C- | GE | |  | |  |  |
| CET 0120: Applied Mathematics II  (\*For alternate see Advisor) | 3 | C- |  | | S | | CET 0110 |  |
| CET 0121: Civil Engineering Technology Drafting | 3 | C- |  | | S | | CET 0111 |  |
| CET 0122: Intermediate Surveying and Spatial Analysis | 3 | C- |  | | S | | CET 0112 |  |
| CET 0125A : Materials Testing II **OR**  GEMT 2231 Survey Computations **AND**  CET 0123: Civil and Geomatics Engineering Technology II | 4  3  2 | C- |  | | S | | CET 0115A |  |
| Total | 16-17 |  |  | |  | |  |  |
| Semester Three | | | | | | | | |
| GE Objective 5: PHYS 1101 and Lab | 4 | C- | GE | |  | |  |  |
| CET 0216: Route Survey and GFS Fundamentals | 3 | C- |  | | F | | CET 0122 |  |
| CET 0232: Plan Reading and Worksite Safety | 3 | C- |  | | F | |  |  |
| CET 0243: Public Works | 3 | C- |  | | F | |  |  |
| CET 0250: Unmanned Aerial Systems/Imagery Analysis | 3 | C- |  | | F | |  |  |
| Total | 16 |  |  | |  | |  |  |
| Semester Four | | | | | | | | |
| GE Objective 3: MATH 1153 Introduction to Statistics | 3 | C- | GE | |  | | MATH 1108 |  |
| GE Objective 6: ECON 1100 OR ECON 2201 OR ECON 2202 | 3 | C- | GE | |  | |  |  |
| CET: 0226: Construction Surveying | 3 | C- |  | | S | | CET 0216 |  |
| CET 0228: Principles of GIS | 3 | C- |  | | S | | CET 0120 |  |
| CET 0251: Introduction to Legal Descriptions | 1 | C- |  | | S | |  |  |
| GEMT 3312: Public Land Surveying | 3 | C- |  | | S | | CET 0122 |  |
| 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.) | | | | | | | | |

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 1,2,3,5,6** | | | | **16 cr. min** |
| **MAJOR REQUIREMENTS** | **45-48** | 1. Written English (6 cr. min) ENGL 1101 | | | | 3 |
| CET 0111: Drawing with CAD | 3 |  | | | |  |
| CET 0112: Beginning Survey | 3 | 2. Spoken English (3 cr. min) COMM 1101 | | | | 3 |
| CET 0121: Civil Engineering Technology Drafting | 3 | 3. Mathematics (3 cr. min) MATH 1153 | | | | 3 |
| CET 0122: Intermediate Surveying and Spatial Analysis | 3 | 4. Humanities, Fine Arts, Foreign Lang. | | | | |
| CET 0216: Rout3 Survey and GPS Fundamentals | 3 |  | | | |  |
| CET 0226: Construction Surveying | 3 |  | | | |  |
| CET 0228: Principles of GIS | 3 | 5. Natural Sciences **(1 lecture, 1 lab; 4 cr. min)** | | | | |
| CET 0232: Plan Reading and Worksite Safety | 3 | PHYS 1101 w/Lab | | | | 4 |
| CET 0243: Public Works | 3 |  | | | |  |
| CET 0250: Unmanned Aerial Systems/Imagery Analysis | 3 |  | | | |  |
| CET 0251: Introduction to Legal Descriptions | 1 | 6. Behavioral and Social Science **(1 course; 3 cr. min)** | | | | |
| GEMT 3312: Public Land Surveying | 3 | ECON 1100, ECON 2201, or ECON 2202 | | | | 3 |
|  |  |  | | | |  |
| **Complete the following two courses:** | **7-8** | One Course from EITHER Objective 7 OR 8 | | | | |
| CET 0115A: Materials Testing and Specifications I | 4 | 7. Critical Thinking | | | |  |
| CET 0125A: Materials Testing and Specifications II | 4 | 8. Information Literacy | | | |
| **OR the following three courses:** |  | 9. Cultural Diversity | | | | |
| CET 0113: Civil and Geomatics Engineering Technology I | 2 |  | | | |  |
| CET 0123: Civil and Geomatics Engineering Technology II | 2 | General Education Elective to reach 36 cr. min. **(if necessary)** | | | | |
| GEMT 2231: Survey Computations | 3 |  | | | |  |
|  |  | **Total GE** | | | | **16** |
| **Complete the following two courses:** | **5-6** | Undergraduate Catalog and GE Objectives by [Catalog Year](https://www.isu.edu/advising/academic-support/general-education/)  *http://coursecat.isu.edu/undergraduate/programs/* | | | | |
| CET 0110: Applied Mathematics I | 3 |
| CET 0120: Applied Mathematics II | 3 |  | | | | |
| **OR complete the following course:** |  |
| MATH 1147: Precalculus (\*prereq: MATH 1108) | 5 |
|  |  | **MAP Credit Summary** | | | | **CR** |
|  |  | Major | | | | 46-48 |
| MATH 1153 (counted as GE Obj 3) | | General Education | | | | 16 |
| PHYS 1101 w/Lab (counted as GE Obj 5) | | Upper Division Free Electives to reach 36 credits | | | | 0 |
| ECON 1100, ECON 2201, or ECON 2202 (counted as GE Obj 6) | | Free Electives to reach 120 credits | | | | 0 |
|  |  | TOTAL | | | | **62-64** |
|  |  |  | | | | |
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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) | | |  | |
|  |  | Minimum 36 cr. Upper Division Overall (0 cr. Associate) | | |  | |
|  |  | Minimum of 120 cr. Total (60 cr. Associate) | | | X | |
|  |  |  | |  | | |
| **Advising Notes** | | ***MAP Completion Status (for internal use only)*** | | | | |
|  | |  | *Date* | | | |
|  | |  |  | | | |
|  | | *CAA or COT:* | TIM 03/27/20 | | | |
|  | |  |  | | | |
|  | | **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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