

**Catalog Year 2019-2020**

AAS, Civil Engineering Technology

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 English Composition | 3 |  | 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  BT 0170: Computer Literacy and Business Software | 4  3 | C- |  | F  F,S,Su |  |  |
|  |  |  |  |  |  |  |
| Total | **15-16** |  |  |  |  |  |
| Semester Two | | | | | | |
| GE Objective 2: COMM 1101 Principles of Speech | 3 |  | 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 | 4  3 | C- |  | S | CET 0115A |  |
|  |  |  |  |  |  |  |
| Total | **15-16** |  |  |  |  |  |
| Semester Three | | | | | | |
| GE Objective 5: PHYS 1101 and Lab | 4 |  | 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 |  | GE |  | MATH 1108 |  |
| GE Objective 6: ECON 1100 OR ECON 2201 OR ECON 2202 | 3 |  | 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 | **16** |  |  |  |  |  |
| \*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**  **\* Satisfy GE Obj. 1, 2, 3, and partial in 5, 6** | | | | | | **16 Cr.**  **Min** |
| **Civil Engineering Tech, AAS - MAJOR REQUIREMENTS** | **45-48** | 1. Written English (6 cr. min) ENGL 1101 (or equivalent) | | | | | | 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: Route Survey and GPS Fundamentals | 3 |  | | | | | |  |
| CET 0226: Construction Surveying | 3 |  | | | | | |  |
| CET 0228: Principles of GIS | 3 | 5. Natural Sciences **(1 course and Lab; 4 cr. min)** | | | | | | |
| CET 0232: Plan Reading and Worksite Safety | 3 | PHYS 1101 Elements of Physics and Lab | | | | | | 4 |
| CET 0243: Public Works | 3 |  | | | | | |  |
| CET 0250: Unmanned Aerial Systems/Imagery Analysis | 3 | 6. Behavioral and Social Science **(1 courses-different prefixes; 3 cr. min)** | | | | | | |
| CET 0251: Introduction to Legal Descriptions | 1 | ECON 1100 Economic Issues OR | | | | | | 3 |
| GEMT 3312: Public Land Surveying | 3 | ECON 2201 Macroeconomics OR ECON 2201 Microeconomics | | | | | |  |
|  |  | **One Course from EITHER Objective 7 OR 8** | | | | | | |
| **Complete the following two courses:** | **6-8** | 7. Critical Thinking | | | | | |  |
| CET 0115A: Materials Testing and Specifications I **and** | 4 | 8. Information Literacy | | | | | |
| CET 0125A: Materials Testing and Specifications II | 4 | 9. Cultural Diversity | | | | | | |
| **OR the following two courses:** |  |  | | | | | |  |
| BT 0170: Computer Literacy and Business Software **and** | 3 | General Education Elective to reach 15 cr. min. | | | | | | |
| 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/) | | | | | | |
| CET 0110: Applied Mathematics I | 3 |
| CET 0120: Applied Mathematics II | 3 |
| **OR complete the following course:** |  | **MAP Credit Summary** | | | | | **CR** | |
| MATH 1147: Precalculus (\*prereq: MATH 1108) | 5 | Major | | | | | 45-48 | |
|  |  | General Education | | | | | 16 | |
|  |  | Free Electives | | | | | 0 | |
|  |  | TOTAL | | | | | 61-64 | |
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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)*** | | | | | | |
|  | |  | *Date* | | | | | |
|  | | *Department:* |  | | | | | |
|  | | *CAA or COT:* | TIM 06/11/2019 | | | | | |
|  | | *Registrar:* |  | | | | | |
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Form Revised 1.24.2018