

**Catalog Year 2019-2020**

AAS, Computer Aided Design Drafting

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. Offrd** | **Prerequisite** | **Co Requisite** |
| Semester One |
| GE Objective 1: ENGL 1101 English Composition  | 3 | C- | GE |  | Appropriate Placement Score |  |
| CADD 0101: Drafting Technology Theory I (early 8 weeks) | 2 | D- |  | F |  | CADD 0108, CADD 0109 |
| CADD 0108: Introduction to CAD | 4 | D- |  | F |  | CADD 0101 |
| CADD 0109: Drafting Applied Algebra (early 8 weeks) | 2 | D- |  | F | TGE 0100A, MATH 0025, or equiv |  |
| CADD 0111: Drafting Technology Theory II (late 8 weeks) | 2 | D- |  | F | CADD 0101 | CADD 0108, CADD 0119 |
| CADD 0119: Drafting Applied Descriptive Geometry (late 8 weeks) | 2 | D- |  | F | CADD 0109 |  |
|  |  |  |  |  |  |  |
|  Total | **15** |  |  |  |  |  |
| Semester Two |
| GE Objective 2: COMM 1101 Principles of Speech | 3 | C- | GE |  |  |  |
| CADD: 0121: Mechanical Drafting Technology Theory I (early 8 weeks) | 2 | D- |  | S | CADD 0111 | CADD 0122, CADD 0129 |
| CADD: 0122: Mechanical Drafting Technology Lab I (early 8 weeks) | 3 | D- |  | S | CADD 0108 | CADD 0121 |
| CADD 0129: Drafting Applied Analytic Geometry (early 8 weeks) | 2 | D- |  | S | CADD 0119 |  |
| CADD 0137: Mechanical Drafting Technology Theory II (late 8 weeks) | 2 | D- |  | S | CADD 0121 | CADD 0138, CADD 0139 |
| CADD 0138: Mechanical Drafting Technology Lab II (late 8 weeks) | 3 | D- |  | S | CADD 0122 | CADD 0137 |
| CADD 0139: Drafting Applied Trigonometry (late 8 weeks) | 2 | D- |  | S | CADD 0129 |  |
|  |  |  |  |  |  |  |
|  Total | **17** |  |  |  |  |  |
| Semester Three |
| GE Objective 5: (GEOL, CHEM or PHYS with Lab)  | 4 | C- | GE | F,S |  |  |
| CADD 0207: Architectural Design Theory (early 8 weeks) | 2 | D- |  | F | CADD 0137 | CADD 0208, CADD 0209 |
| CADD 0208: Architectural Design Lab I (early 8 weeks) | 3 | D- |  | F | CADD 0138 | CADD 0207 |
| CADD 0209: Estimation Concepts (early 8 weeks) | 2 | D- |  | F | CADD 0139 |  |
| CADD 0217: Architectural Theory II (late 8 weeks) | 2 | D- |  | F | CADD 0207 | CADD 0218 |
| CADD 0218: Architectural Design Lab II (late 8 weeks) | 3 | D- |  | F | CADD 0208 | CADD 0217 |
|  |  |  |  |  |  |  |
|  Total | **16** |  |  |  |  |  |
| Semester Four |
| GE Objective 6: options in Social and Behavioral Ways of Knowing | 3 | D- | GE |  |  |  |
| GE Objective 3: Mathematics requirement | 3 | D- | GE |  |  |  |
| TGE 0158: Employment Strategies  | 2 | D- |  | D |  |  |
| CADD 0227: Structural Steel Drafting Theory (early 8 weeks) | 2 | D- |  | S | CADD 0217 | CADD 0228 |
| CADD 0228: Structural Steel Drafting Lab (early 8 weeks) | 3 | D- |  | S | CADD 0218 | CADD 0227 |
| CADD 0247: Design Integration Theory (late 8 weeks) | 2 | D- |  | S |  | CADD 0248 |
| CADD 0248: Design Integration Laboratory (late 8 weeks) | 3 | D- |  | S |  | CADD 0247 |
|  |  |  |  |  |  |  |
|  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.)  |

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| **2019-2020 Major Requirements** | **CR** | **GENERAL EDUCATION OBJECTIVES****\* only Objectives 1, 2, 3, 5, 6 are required.** | **15 cr.****min.** |
| **CADD, AAS - MAJOR REQUIREMENTS** | **50** | 1. Written English (3 cr. min) ENGL 1101 (or equivalent) | 3 |
| CADD 0101: Drafting Technology Theory I | 2 |   |  |
| CADD 0108: Introduction to CAD  | 4 | 2. Spoken English (3 cr. min) COMM 1101 | 3 |
| CADD 0109: Drafting Applied Mathematics I | 2 | 3. Mathematics (3 cr. min) \*Choose MATH requirement  | 3 |
| CADD 0111: Drafting Technology Theory II | 2 | 4. Humanities, Fine Arts, Foreign Lang.  |
| CADD 0119: Drafting Applied Descriptive Geometry | 2 |  |  |
| CADD 0121: Mechanical Drafting Technology Theory I | 2 |  |  |
| CADD 0122: Mechanical Drafting Technology Lab I | 3 | 5. Natural Sciences **(1 lecture, 1 lab; 4 cr. min)** |
| CADD 0129: Drafting Applied Analytic Geometry | 2 | Must be Physical Science Course (GEOL, CHEM, or PHYS with Lab) | 4 |
| CADD 0137: Mechanical Drafting Technology Theory II | 2 |  |  |
| CADD 0138: Mechanical Drafting Technology Laboratory II | 3 |  |  |
| CADD 0139: Drafting Applied Trigonometry | 2 | 6. Behavioral and Social Science **(1 courses 3 cr. min)** |
| CADD 0207: Architectural Design Theory I | 2 | \*Choose from Catalog Year options | 3 |
| CADD 0208: Architectural Design Laboratory I | 3 |  |  |
| CADD 0209: Estimation Concepts | 2 | One Course from EITHER Objective 7 OR 8  |
| CADD 0217: Architectural Design Theory II | 2 | 7. Critical Thinking |  |
| CADD 0218: Architectural Design Laboratory II | 3 | 8. Information Literacy  |
| CADD 0227: Structural Steel Drafting Theory  | 2 | 9. Cultural Diversity  |
| CADD 0228: Structural Steel Drafting Laboratory  | 3 |  |  |
| CADD 0237: Parametric Modeling Theory | 2 | General Education Elective to reach 15 cr. min. **(if necessary)** |
| CADD 0238: Parametric Modeling Laboratory | 3 |   |  |
| TGE 0158: Employment Strategies | 2 |  **Total GE** | **16** |
|  |  | Undergraduate Catalog and GE Objectives by [Catalog Year](https://www.isu.edu/advising/academic-support/general-education/)  |
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|  |  | **MAP Credit Summary** | **CR** |
|  |  | Major  | 50 |
|  |  | General Education  | 16 |
|  |  | Free Electives  | 0 |
|  |  |  TOTAL | **66** |
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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**