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| **Catalog Year 2020-2021**  AAS, Unmanned Aerial Systems  Concentration (if relevant) | ***(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 English Composition | 3 | D- | GE | |  | | Placement Score |  |
| GE Objective 3: Mathematical Ways of Knowing | 3 | D- | GE | |  | |  |  |
| UAS 0100: Introduction to Unmanned Aerial Systems | 1 | C- |  | | F | | UAS program major |  |
| UAS 0110: Applied Mathematics and Electronics for UAS | 3 | C- |  | | F | | UAS major |  |
| UAS 0115: Flight Theory | 3 | C- |  | | F | | UAS major |  |
| UAS 0120: Flight Laboratory I | 4 | C- |  | | F | | UAS major |  |
| Total | 17 |  |  | |  | |  |  |
| Semester Two | | | | | | | | |
| GE Objective 2: COMM 1101 Principles of Speech | 3 | D- | GE | |  | |  |  |
| GE Objective 6: Behavioral or Social Ways of Knowing | 3 | D- | GE | |  | |  |  |
| UAS 0150: Unmanned Systems Design | 2 | C- |  | | S | | UAS major |  |
| UAS 0155: Flight Control and Subsystems | 4 | C- |  | | S | | UAS major |  |
| UAS 0170: Flight Laboratory II | 4 | C- |  | | S | | UAS major |  |
| UAS 0382: introduction to Rapid Prototyping | 2 | C- |  | |  | | UAS major |  |
| Total | 18 |  |  | |  | |  |  |
| Semester Three | | | | | | | | |
| UAS 0200: Advanced Electronics and Payload for UAS | 4 | C- |  | | F | | UAS major | UAS 0110 or RCET 0156 |
| UAS 0212: Beginning Surveying, GPS and Geo-Referencing | 3 | C- |  | | F | | UAS major |  |
| UAS 0228: Principles of GIS | 3 | C- |  | | F | | UAS major | UAS 0110 OR CET 0120 |
| UAS 0225: Flight Laboratory III | 5 | C- |  | | F | | UAS major | UAS 0110 OR RCET 0142 |
| UAS 0250: Imagery Analysis | 3 | C- |  | | F | | UAS major |  |
| Total | 18 |  |  | |  | |  |  |
| Semester Four | | | | | | | | |
| GE Objective 5: PHYS 1101/L Elements of Physics and Lab | 4 | D- | GE | |  | |  |  |
| UAS 0240: Basic Wiring and Avionics Installation | 5 | C- |  | | S | | UAS major | UAS 0200 |
| UAS 0255: Autopilot Theory | 3 | C- |  | | S | | UAS major | UAS 0270, UAS 0200 OR RCET 0154 |
| UAS 0270: Autopilot Laboratory | 5 | C- |  | | S | | UAS major | UAS 0255, UAS 0200 OR RCET 0156 |
|  |  |  |  | |  | |  |  |
| Total | 17 |  |  | |  | |  |  |
| \*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,and 6** | | | | **16 cr. min** |
| **MAJOR REQUIREMENTS** | **54** | 1. Written English (3 cr. min) ENGL 1101 | | | | 3 |
| UAS 0100: Introduction to Unmanned Aerial Systems | 1 |  | | | |  |
| UAS 0110: Applied Mathematics and Electronics for UAS | 3 | 2. Spoken English (3 cr. min) COMM 1101 | | | | 3 |
| UAS 0115: Flight Theory | 3 | 3. Mathematics (3 cr. min) Recommend TGE 1140 | | | | 3 |
| UAS 0120: Flight Laboratory I | 4 | 4. Humanities, Fine Arts, Foreign Lang. | | | | |
| UAS 0150: Unmanned Systems Design | 2 |  | | | |  |
| UAS 0155: Flight Control and Subsystems | 4 |  | | | |  |
| UAS 0170: Flight Laboratory II | 4 | 5. Natural Sciences **(1 lectures, 1 lab; 4 cr. min)** | | | | |
| UAS 0200: Advanced Electronics and Payload for UAS | 4 | PHYS 1101 w/Lab | | | | 4 |
| UAS 0212: Beginning Surveying, GPS and Geo-Referencing | 3 |  | | | |  |
| UAS 0225: Flight Laboratory III | 5 |  | | | |  |
| UAS 0228: Principles of GIS | 3 | 6. Behavioral and Social Science **(1 course; 3 cr. min)** | | | | |
| UAS 0240: Basic Wiring and Avionics Installation | 5 |  | | | | 3 |
| UAS 0250: Imagery Analysis | 3 |  | | | |  |
| UAS 0255: Autopilot Theory | 3 | One Course from EITHER Objective 7 OR 8 | | | | |
| UAS 0270: Autopilot Laboratory | 5 | 7. Critical Thinking | | | |  |
| UAS 0382: introduction to Rapid Prototyping | 2 | 8. Information Literacy | | | |
|  |  | 9. Cultural Diversity | | | | |
| PHYS 1101 w/Lab (counted as GE Obj. 5) | |  | | | |  |
|  |  | General Education Elective to reach 36 cr. min. **(if necessary)** | | | | |
|  |  |  | | | |  |
|  |  | **Total GE** | | | | **16** |
|  |  | 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 | | | | 54 |
|  |  | General Education | | | | 16 |
|  |  | Upper Division Free Electives to reach 36 credits | | | | 0 |
|  |  | Free Electives to reach 120 credits | | | | 0 |
|  |  | TOTAL | | | | 70 |
|  |  |  | | | | |
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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 03/27/2020 | | | |
|  | |  |  | | | |
|  | | **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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