

A Major Academic Plan (MAP) illustrates one efficient path toward completing a degree and includes only required courses and credits. A list of Major, General Education, and Elective credits, as well as a summary of required credit categories, are shown on page two. **Individual MAP customization by each student is expected.**

Catalog Year 2016-2017

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| Unmanned Aerial Systems - AAS | Credit Hours | Min. Grade | \*Attribute | \*\*When Offered | Pre & Co-requisites |
| Semester One |
| GE Objective 1: ENGL 1101 English Composition or ENGL 1101P | 3 or 4 | D- | GE |  |  |
| GE Objective 3: Mathematical Ways of Knowing  | 3 | D- | GE |  |  |
| UAS 0100: Introduction to Unmanned Aerial Systems | 1 | C- |   | F | UAS program major & instructor permission |
| UAS 0105: Introduction to Remote Sensing | 1 | C- |  | F | UAS 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 | 18 |  |  |  |  |
| Semester Two |
| GE Objective 2: COMM 1101 Principles of Speech  | 3 | D- | GE |  |  |
| GE Objective 6: Scientific Ways of Knowing  | 3 | D- | GE |  |  |
| UAS 0150: Unmanned Systems Design | 2 | C- |  | S | UAS major |
| UAS 0155: Power Plant and Propulsion Fundamentals | 4 | C- |  | S | UAS major |
| UAS 0170: Flight Laboratory II | 4 | C- |  | S | UAS major |
| UAS 0382: introduction to Rapid Prototyping | 3 | C- |  |  | UAS major |
|  Total | 19 |  |  |  |  |
| 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 | 5 | C- |  | F | UAS major |
| UAS 0228: Principles of GIS | 3 | C- |  | F | UAS major, UAS 0110 OR CET 0120 |
| UAS 0264: Introduction to Calculus | 4 | C- |  | F | UAS major, UAS 0110 OR RCET 0142 |
|  Total  | 16 |  |  |  |  |
| Semester Four  |  |  |  |  |  |
| GE Objective 5: PHYS 1101/L Elements of Physics and Lab | 4 | D- | GE |  |  |
| UAS 0222: Intermediate Surveying and Spatial Analysis | 5 | C- |  | S | UAS major, UAS 0212 OR CET 0112 |
| UAS 0250: Imagery Analysis | 3 | C- |  | S | UAS major |
| UAS 0255: Autopilot Theory | 3 | C- |  | S | UAS major, UAS 0270, UAS 0200 OR RCET 0154  |
| UAS 0270: Autopilot Laboratory | 3 | C- |  | S | UAS major, UAS 0255, UAS 0200 OR RCET 0156 |
|  Total | 18 |  |  |  |  |
| \*Key for Attribute: U=Upper division GE=General Education Objective \*\*Key for When Offered: F=Fall S=Spring Su=Summer D=contact department (more…) |

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| **2016-2017 Major Requirements** | **CR** | **2016-2017 GENERAL EDUCATION OBJECTIVES****Satisfy Objectives 1,2,3, 5, 6** | **16 cr. min** |
| **MAJOR REQUIREMENTS** |  | 1. Written English (3 cr. min) ENGL 1101 | 3 |
| UAS 0100: Introduction to Unmanned Aerial Systems | 1 | 2. Oral Communication (3 cr. min) COMM 1101 | 3 |
| UAS 0105: Introduction to Remote Sensing | 1 | 3. Mathematics (3 cr. min)  | 3 |
| UAS 0110: Applied Mathematics and Electronics for UAS | 3 | 6. Behavioral and Social Science  | 3 |
| UAS 0115: Flight Theory | 3 | 5. Scientific Ways of Knowing PHYS 1101/L  | 4 |
| UAS 0120: Flight Laboratory I | 4 |  |  |
| UAS 0150: Unmanned Systems Design | 2 | **TOTAL** | **16** |
| UAS 0155: Power Plant and Propulsion Fundamentals | 4 |  |
| UAS 0170: Flight Laboratory II | 4 |  |  |
| UAS 0382: introduction to Rapid Prototyping | 3 |  |  |
| UAS 0200: Advanced Electronics and Payload for UAS | 4 |  |  |
| UAS 0212: Beginning Surveying, GPS and Geo-Referencing | 5 |  |
| UAS 0228: Principles of GIS | 3 |  |  |
| UAS 0264: Introduction to Calculus | 4 |  |  |
| UAS 0222: Intermediate Surveying and Spatial Analysis | 5 |  |
| UAS 0250: Imagery Analysis | 3 |  |  |
| UAS 0255: Autopilot Theory | 3 |  |
| UAS 0270: Autopilot Laboratory | 3 |  |
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|  |  | GE Objectives Courses:(University Catalog 2016-2017) |
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|  |  | **MAP Credit Summary** | **CR** |
|  |  | Major  | 55 |
|  |  | General Education  | 16 |
|  |  | Free Electives to reach 60 credits | 0 |
|  |  |  TOTAL | 71 |
|  |  |  |  |
| **TOTAL** | **55** |  |  |
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| **Advising Notes** |  |  |
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|  | **Graduation Requirement Minimum Credit Checklist** | **YES** | NO |
|  | Min. of 15 credits of General Education Objectives |  |  |
|  | Min. of 60 credits |  |  |
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