# Yavapai COLLEGE

## Aerospace Science - Unmanned Aircraft Systems

*Total Credits: 65*
**Progression Plan**

### Fall Term 1 — *15 credit hours*

| | Hours | Notes |
|---|---|---|
| • UAS 100 Introduction to UAS | 3 | |
| • AVT 108 Pre-Aviation Groundschool | 3 | |
| • AVT 119 Pre-Aviation Flight Simulation | 2 | **Prerequisites**: AVT 128 |
| • UAS 110 UAS Fixed-Wing Systems | 4 | |
| • UAS 120 UAS Sensing Systems | 3 | |
| **Term hours subtotal:** | **15** | |

### Spring Term 1 — *18 credit hours*

| | Hours | Notes |
|---|---|---|
| • UAS 103 UAS Simulations | 3 | |
| • UAS 132 UAS Flight Operations | 4 | |
| • UAS 115 Multirotor Systems | 4 | |
| • MAT 100 Technical Mathematics<br>Recommended Mathematics | 3 | **Prerequisites**: MAT 082 or a satisfactory score on the mathematics skills assessment. |
| **Term hours subtotal:** | **18** | |

### Summer Term 1 — *6 credit hours*

| | Hours | Notes |
|---|---|---|
| • UAS 215 UAS Mapping Systems | 3 | **Prerequisites**: UAS 120 |
| • UAS 250 UAS Applications and Analytics | 3 | **Prerequisites**: UAS 103, UAS 110, UAS 115, UAS 120 and UAS 215 (UAS 215 may be taken concurrently). |
| **Term hours subtotal:** | **6** | |

### Fall Term 2 — *13 credit hours*

| | Hours | Notes |
|---|---|---|
| • TDP 101 Introduction to 3-D Printing | 3 | |
| • GEO 212 Introduction to Meteorology<br>Recommended Physical and Biological Science | 4 | |
| **1st 8 weeks** | | |
| • ENG 101 College Composition I<br>Recommended College Composition | 3 | **Prerequisites**: Satisfactory score on the English skills assessment. Reading Proficiency. |
| **2nd 8 weeks** | | |
| • FMA 139 Fundamentals of Video Editing | 3 | |
| **Term hours subtotal:** | **13** | |

### Spring Term 2 — *13 credit hours*

| | Hours | Notes |
|---|---|---|
| • MET 250 Projects in Manufacturing Technology | 4 | |
| • ENG 102 College Composition II<br>Recommended College Composition | 3 | **Prerequisites**: ENG 101 or ENG 101A or ENG 103. Reading Proficiency. |
| **1st 8 weeks** | | |
| • ART 113 Three-Dimensional Design<br>Recommended Arts and Humanities | 3 | |
| **2nd 8 weeks** | | |
| • PSY 101 Introduction to Psychology<br>Recommended Social and Behavioral Sciences | 3 | |
| **Term hours subtotal:** | **13** | |

*This recommended sequence is not a binding agreement of any kind between Yavapai College and the student, but merely represents a potential curriculum that may be altered as appropriate to meet the student's academic objectives. Course availability is subject to change and all courses are not available every semester. Students should inquire each semester with their Advisor before registering to determine current requirements and possible changes to the suggested curriculum.*

*Created March 2024*