ASSOCIATE IN SCIENCE (AS) DEGREE
2023 - 2024

Student's Name:	Student's ID Number:
Date:	Pathway Navigator/Faculty Advisor:
Associate of Science: Unmanned Vehicle Systems Operations (UVS-AS)	

General Education (15 hours)

The Associate in Science degree consists of a minimum of 60 college-level semester hours with at least 15 semester hours of General Education Core courses. The General Education Core courses are chosen for their appropriateness for each degree and represent courses from each of the following disciplines: humanities/fine arts, natural science/mathematics, behavioral science/ social science and communications. Consult with your Faculty Advisor if you have any questions.

Communications (3/4 credits)

- ☐ ENC1101 English Composition I●+*   3
- ☐ ENC1101C Enhanced English Comp. I●+*   4

Humanities (3 credits)
Select one Humanities course

Humanities 1–Visual & Performing Arts

- ☐ ARH2000 Understanding Visual Arts●   3
- ☐ MUL2010 Understanding Music●   3
- ☐ THE2000 Understanding Theater●   3

Humanities 2–Philosophy/Religion
Prerequisite ENC1101 or ENC1101C with grade "C" or higher.

- ☐ PHI2010 Intro. to Philosophy●+*   3

Humanities 3–Literature
Prerequisite ENC1102 with grade "C" or higher.

- ☐ LIT2000 Literature and Culture●+*   3

Mathematics (3 credits)
Select one Mathematics Course

- ☐ MGF1106 Math for Liberal Arts●+*   3
- ☐ MGF1107 Survey of Mathematics●+*   3
- ☐ STA2023 Statistics●+*   3
- ☐ MAC1105 College Algebra●+*   3
- ☐ MAC2311 Calculus with Geometry I●+*   4

Natural Sciences (3 credits)
Select one Science course

Physical Sciences

- ☐ AST1002 Descriptive Astronomy●   3
- ☐ CHM1045 General Chemistry●+   3
- ☐ ESC2000 Earth & Space Science Survey●   3
- ☐ EVR1001 Intro. to Environmental Science●   3
- ☐ PHY1020 Basic Concepts of Physics●   3
- ☐ PHY2048 University Physics I●+   3
- ☐ PHY2053 College Physics I●+   3

Biological Sciences

- ☐ BSC1005 General Biological Science●   3
- ☐ BSC2010 Biology for Science Majors I●+   3
- ☐ BSC2085 Anatomy & Physiology I●+   3

Social Sciences (3 credits)
Select one Social Science Course

History

- ☐ AMH2020 United States History II●@   3

Government

- ☐ POS2041 American Nat'l Government●@   3

Developmental Courses

- ☐ ENC0022 Dev. Writing I & II Combined*   3
- ☐ REA0019 Dev. Reading I & II Combined*   3
- ☐ MAT0012 Dev. Arithmetic with Algebra*   3

Major Courses (47 hours)

The Unmanned Vehicle Systems Associate of Science degree gives graduates the expertise they need for employment as operators, observers, sensor operators, and operations administrators of unmanned vehicle systems. The coursework covers several UAS applications areas, including but not necessarily limited to surveillance and data collection, highly repetitive operations, and autonomous operations. Students also learn about the engineering aspects of these unmanned vehicle systems and the regulations governing their operation.

- ☐ ENC2210 Technical Writing+*   3
- ☐ CGS1570 Microcomputer Applications   3
- ☐ EET1084C Intro. to Electronics#   3
- ☐ ASC2560 Unmanned Vehicles & Systems+#   1
- ☐ ASC2650L Unman. Vehicles & Systems Lab+#   2
- ☐ ASC2561 Unman. Vehicles & Syst. Operat.+#*   1
- ☐ ASC2561L Unman. Vehicl. & Syst. Oper. Lab+#*   2
- ☐ ATT1100 Private Pilot Ground School+*   3
- ☐ ATT1101 Private Pilot Applications   3
- ☐ GIS2040 Intro. to Geographic Inform. Systems*   3
- ☐ GIS2030 Fundamentals of Remote Sensing*   3
- ☐ COP1000 Intro. to Programming Logic   3
- ☐ COP2224 Intro. to C++ Programming+   3
- ☐ ETS1603 Introduction to Robotics#   3
- ☐ ETS2604 Robotics Applications+#* ETS2604L   1
- ☐ Robotics App. Lab (Capstone)+#   2

Select 8 Elective Hours from the Courses Below

- ☐ ETD1320C Introduction to CAD#   3
- ☐ DIG2200 Digital Video Fundamentals   3
- ☐ ETD2371C Intro. to 3D Printing+#   3
- ☐ ASC2564 Unman. Veh. Systems Security#*   3
- ☐ ASC2949 Unman. Systems Practicum+*   1-3

Courses not Used

- ☐ _____
- ☐ _____
- ☐ _____
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Other AS Requirements

- ☐ **General Education Core Requirement**
  Successful completion of at least one dotted core course from each of the five major general education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences

- ☐ **Civic Literacy Requirement (@)**
  Successful completion of AMH 2020 OR POS 2041 AND passing score on the Florida Civic Literacy Exam (FCLE)

Key

+ = Prerequisite or co-requisite required

* = Minimum grade of "C" required

@ = Course meets Civic Literacy Requirement

●= General Education Core course

#=Applies to A.S. and Certificate Programs

Notes

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