A.S. in Uncrewed and Autonomous Systems

The Associate of Science in Uncrewed and Autonomous Systems program provides a foundation in uncrewed systems usage. The curriculum supports the development of knowledge relevant to the uncrewed aircraft systems industry and preparation for further academic study.

At the **Worldwide Campus**, a range of online degree programs is offered with flexible scheduling. Students have opportunities to engage with peers, faculty, and industry professionals.

Program-Level Student Learning Outcomes

Students will:

- Analyze managerial aspects and their application to different uncrewed systems applications.
- Recognize the fundamentals of uncrewed systems and uncrewed systems operations.
- Identify task requirements under varying operational circumstances to select appropriate solutions during mission planning and execution.
- Identify performance criteria to solve basic operational problem.

Worldwide Program Requirements

General Education Requirements	36
Core Requirements	24
Total Credits	**60**

Program Details

The Associate of Science in Uncrewed and Autonomous Systems requires successful completion of a minimum of 60 credit hours. Students enrolled in the Worldwide Undergraduate Online program may complete the degree in 10 terms, or approximately two years, assuming full-time enrollment and continuous progress. Students pursuing this undergraduate degree must earn a minimum cumulative grade point average (CGPA) of 2.00 for all work completed at the University. The courses required to earn this degree are listed below.

Students should be aware that many courses have prerequisites and/or corequisites. Students are responsible for ensuring that all prerequisite and degree requirements are satisfied prior to enrollment in advanced coursework. The suggested plan of study is provided as a guide. A student's actual plan of study may vary based on term of admission, course availability, transfer credit, and other academic considerations. Students should consult with their academic advisor to develop an individualized plan of study.

General Education Requirements

Communication	9
Any Communication above COMM 106	
Humanities - Lower or Upper Level	3
Social Sciences - Lower Level	3
Social Sciences - Lower or Upper Level	3
Humanities - Upper Level	3
Computer Science/Information Technology	3
Mathematics	6
Any College Algebra or Higher Math Series	
Physical/Life Sciences	6
Any Physical Science/Physics	
Total Credits	**36**

Core Requirements

ASCI 202	Introduction to Aeronautical Science	3
AVSF 320	Human Factors in Aviation Safety	3
UNSY 205	Applied Physics for Uncrewed Systems	3
UNSY 220	Uncrewed Aircraft Systems	3
UNSY 313	Uncrewed Maritime Systems and Applications	3
UNSY 318	UAS Robotics	3
UNSY 322	Operational and Business Aspects of Uncrewed Aircraft Systems	3
UNSY 324	Global Uncrewed Aircraft Systems (UAS) Regulations	3
Total Credits		**24**

Suggested Plan of Study

Year One

Requirements	Credits
Any Communication above COMM 106	3
Any College Algebra or Higher Math Series	3
Semester Hours	**6**

Requirements	Credits
Any Communication above COMM 106	3
Any College Algebra or Higher Math Series	3
Semester Hours	**6**

Requirements	Credits
Any Communication above COMM 106	3
Computer Science/Information Technology	3
Semester Hours	**6**

Requirements	Credits
Humanities - Lower Level	3
Any Physical Science/Physics	3
Semester Hours	**6**

Requirements	Credits
ASCI 202 - Introduction to Aeronautical Science	3
Social Sciences - Lower Level	3
Semester Hours	**6**

Total Credits

Total Hours for All Requirements: 30

Year Two

Requirements	Credits
UNSY 322 - Operational and Business Aspects of Uncrewed Aircraft Systems	3
Any Physical Science/Physics	3
Semester Hours	**6**

Requirements	Credits
UNSY 205 - Applied Physics for Uncrewed Systems	3

Social Sciences - Upper Level	3
Semester Hours	**6**

Requirements	Credits
AVSF 320 - Human Factors in Aviation Safety	3
UNSY 313 - Uncrewed Maritime Systems and Applications	3
Semester Hours	**6**

Requirements	Credits
UNSY 220 - Uncrewed Aircraft Systems	3
Humanities - Upper Level	3
Semester Hours	**6**

Requirements	Credits
UNSY 318 - UAS Robotics	3
UNSY 324 - Global Uncrewed Aircraft Systems (UAS) Regulations	3
Semester Hours	**6**

Total Credits

Total Hours for All Requirements: 30

Estimated Cost of Attendance

Estimated Cost of Attendance: California Student Information (https://catalog.erau.edu/student-life/student-affairs/california-student/)