

B.S. in Aeronautics

Worldwide Program Requirements

General Education Requirements	36
Core Requirements	18
Aviation Area of Concentration	33
Professional Development Electives	21
Open Electives	12
Total Credits	120

Program Details

The Bachelor of Science in Aeronautics requires successful completion of a minimum of 120 credit hours. Students enrolled in the Worldwide Undergraduate Online program may complete the degree in 20 terms, or approximately four 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.

Students may be eligible to receive transfer credit, advanced standing, or credit for applicable Federal Aviation Administration (FAA) or military ratings and certifications in accordance with University policy. These opportunities may reduce the time required to complete the degree. Graduates of the Worldwide Bachelor of Science in Aeronautics program are not eligible to apply for an Airline Transport Pilot (ATP) Certificate with Restricted Privileges under Title 14, Code of Federal Regulations, § 61.160.

General Education Requirements

Communication	9
Humanities - Lower Level	3
Social Sciences - Lower Level	3
Humanities/Social Sciences - Lower or Upper Level	3
Humanities Upper Level	3
Computer Science/Information Technology	3
Mathematics	6
STAT 222 Business Statistics	
Any College Algebra or Higher Math	
Physical/Life Sciences	6
Total Credits	36

Core Requirements

ASCI 202	Introduction to Aeronautical Science	3
ASCI 254	Aviation Legislation	3
ACCT 210	Financial Accounting	3
MGMT 201	Principles of Management	3
ASCI 404	Applications in Aviation and Aerospace Law	3
AVSF 210	Introduction to Aerospace Safety	3
Total Credits		18

Aviation Area of Concentration

SCTY 401	Aviation Security	3
SCLM 420	Management of Production and Operations	3
AVSF 409	Aviation Safety	3
UNSY 220	Uncrewed Aircraft Systems	3
ASCI 491	Operational Applications in Aeronautics	3
AMNT, ASCI, ATMG, AVSF, CESC, COIN, CYBR, ENGR, ESCI, ETEC, FACR, GEOS, HFCT, HIST, INTL, SCLM, SCTY, SFTW, SFTY, SIMS, SPAC, UNSY, WEAX		18
Total Credits		33

* Disciplines to award in electives.

Professional Development Electives

AVMG, BUAN, GSIS, INTL, MMIS, NSCI, ACCT, AMNT, ASCI, ATMG, MGMT, CPSC, CISE, COIN, SPAC, CYBR, ECON, AFAS, FINE, GEOS, HIST, MKTG, AVSF, SFTY, SIMS, UNSY, WEAX, SCTY, ENGR, ESCI, COMM, AERO, ESVS, GOVT, HLSC, MATH, PHYS, EMGY, ETEC, STAT, MILS, BSSM, BUSA, PSYC, SOSOC, HUMN, MISA, BHSL, DSCI, and RSCH	21
Total Credits	21

* (300-400 level) Disciplines to award in electives.

Open Electives

Open Electives	12
Total Credits	12

Suggested Plan of Study

Year One

Requirements	Credits
Communication Above COMM 106	3
College Algebra or Higher Math Series	3
Semester Hours	6

Requirements	Credits
Communication Above COMM 106	3
STAT 222 - Business Statistics	3
Semester Hours	6

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

Requirements	Credits
Social Sciences - Lower Level	3
Computer Science	3
Semester Hours	6

Requirements	Credits
Communication Above COMM 106	3
ASCI 202 - Introduction to Aeronautical Science	3
Semester Hours	6

Total Credits

Total Hours for All Requirements: 30

Year Two

Requirements	Credits
ASCI 254 - Aviation Legislation	3
Humanities/Social Sciences - Lower or Upper Level	3
Semester Hours	6

Requirements	Credits
MGMT 201 - Principles of Management	3
Physical Science/Physics	3
Semester Hours	6

Requirements	Credits
ACCT 210 - Financial Accounting	3
Open Elective	3
Semester Hours	6

Requirements	Credits
AVSF 210 - Introduction to Aerospace Safety	3
Open Elective	3
Semester Hours	6

Requirements	Credits
UNSY 220 - Uncrewed Aircraft Systems	3
Open Elective	3
Semester Hours	6

Total Credits

Total Hours for All Requirements: 30

Year Three

Requirements	Credits
Area of Concentration (AAOC)	3
Open Elective	3
Semester Hours	6

Requirements	Credits
Area of Concentration (AAOC)	3
Humanities - Upper Level	3
Semester Hours	6

Requirements	Credits
Area of Concentration (AAOC)	3
SCLM 420 - Management of Production and Operations	3
Semester Hours	6

Requirements	Credits
Area of Concentration (AAOC)	3
SCTY 401 - Aviation Security	3
Semester Hours	6

Requirements	Credits
Area of Concentration (AAOC)	3
Area of Concentration (AAOC)	3
Semester Hours	6

Total Credits

Total Hours for All Requirements: 30

Year Four

Requirements	Credits
AVSF 409 - Aviation Safety	3
ASCI 404 - Applications in Aviation and Aerospace Law	3
Semester Hours	6

Requirements	Credits
Professional Development Elective (PD)	3
Professional Development Elective (PD)	3
Semester Hours	6

Requirements	Credits
Professional Development Elective (PD)	3
Professional Development Elective (PD)	3
Semester Hours	6

Requirements	Credits
Professional Development Elective (PD)	3
Professional Development Elective (PD)	3
Semester Hours	6

Requirements	Credits
Professional Development Elective (PD)	3
ASCI 491 - Operational Applications in Aeronautics	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/>)