

B.S. in Aeronautics

The Bachelor of Science in Aeronautics degree is designed for students who work, have worked, or are seeking to work in the aerospace industry. The program combines foundational aviation coursework with applied learning experiences that develop an understanding of aviation and aerospace operations. Coursework includes flight operations, safety, human factors, air transportation, aircraft systems, global aviation regulations and industry decision-making. The program allows students with prior aviation experience to build on existing skills and certifications. Students develop knowledge in aeronautics, data analysis, communication, safety principles and problem-solving for roles in government, commercial, corporate and military environments.

At the **Daytona Beach Campus**, the Bachelor of Science in Aeronautics is housed in the Department of Aeronautical Science in the College of Aviation. The program includes coursework in aviation safety, communication, contemporary problem-solving, international regulations and law, and aviation operations. The campus is located adjacent to an international airport and maintains aircraft and flight simulation devices used for training.

At the **Prescott Campus**, the Bachelor of Science in Aeronautics is housed in the Department of Aeronautical Science in the College of Aviation. The program includes coursework in aviation safety, communication, contemporary problem-solving, international regulations and law, and aviation operations. The campus is located near the Prescott Regional Airport. Students may complete flight training while enrolled in the degree. The campus maintains aircraft and flight simulation devices used for training.

At the **Worldwide & Online Campus**, the Bachelor of Science in Aeronautics is a multidisciplinary program that combines prior professional experience with coursework in human factors, security, aviation safety, occupational safety and health, air traffic control, aircraft maintenance and aeronautical science. Students may apply prior learning experiences, such as military training and FAA licenses and certificates, toward degree requirements. *Graduates from the Worldwide Bachelor of Science in Aeronautics are not eligible to apply for a restricted privileges airline transport pilot (ATP) certificate.*

At the **Asia Campus**, the Bachelor of Science in Aeronautics addresses aviation and aerospace industry workforce needs in the region. The program supports preparation for roles in sectors including airlines, airports, aerospace engineering and manufacturing, as well as emerging areas such as urban air mobility, aviation sustainability, artificial intelligence and commercial space. The degree is offered as part of the university's academic programs in Singapore.

The Aeronautics program is accredited by the Aviation Accreditation Board International (AABI) (<https://aabi-dir.weaveaccreditation.com/>). The Bachelor of Science in Aeronautics is recognized by the Royal Aeronautical Society (RAeS) (<https://www.aerosociety.com/>).

Program-Level Student Learning Outcomes

Students will:

- Evaluate and interpret national and international aviation legislation and law, demonstrating a general understanding of their implications for the aviation, aerospace, and aeronautics sectors.
- Analyze and apply management theories and practices to aviation/aerospace operations, including the ability to interpret data and make informed decisions.
- Demonstrate a fundamental understanding of aviation safety principles and practices, and apply these concepts to enhance safety within the aviation, aerospace, and aeronautics industries.
- Apply advanced principles of aviation, aerospace, and aeronautical science to analyze and solve complex problems within the aviation/aerospace industry.

Daytona Beach Program Requirements

General Education Requirements	37
Core Requirements	16
Aviation Area of Concentration	33
Professional Development Electives	21
Open Electives	13
Total Credits ^	120

^ Students must select and complete one minor field of study.

Program Details

The Bachelor of Science in Aeronautics program requires successful completion of a minimum of 120 credit hours, including at least 40 upper-level credit hours. The program may be completed in eight semesters, or four years, assuming appropriate background and full-time enrollment. 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 curriculum followed by each student may vary depending on any prior learning or transfer credits awarded. The courses necessary 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 met prior to enrollment in advanced coursework.

General Education Requirements

Communication	9
Humanities - Lower Level	3
Social Sciences - Lower Level	3
Humanities/Social Sciences - Lower or Upper Level	3
Humanities/Social Sciences - Upper Level	3
Computer Science/Information Technology	3
Mathematics	6
MATH 112 Applied Calculus for Aviation or STAT 222 Business Statistics	
Any approved GE Math course above College Algebra	
Physical/Life Sciences	7
One course must contain a lab	
Total Credits	37

Core Requirements

ASCI 101	Aeronautical Science Student Success Seminar	1
or UNIV 101	College Success	
or ASCI 202	Introduction to Aeronautical Science	
ASCI 254	Aviation Legislation	3
ACCT 210	Financial Accounting	3
or MGMT 201	Principles of Management	
ECON 200	An Economic Survey	3
or ECON 210	Microeconomics	
or ECON 211	Macroeconomics	
or MGMT 201	Principles of Management	
ASCI 404	Applications in Aviation and Aerospace Law	3
or ASCI 405	Aviation Law	
AVSF 210	Introduction to Aerospace Safety	3
Total Credits		16

Aviation Area of Concentration

ASCI 120	Principles of Aeronautical Science	3
or ASCI 121	Private Pilot Operations	

ASCI 491	Operational Applications in Aeronautics	3
AMNT, AMST, ASCI, ATMG, AVSF, CESC, COIN, CYBR, ENGR, ESCI, ETEC, FACR, GEOS, HFCT, HIST, INTL, SCLM, SCTY, SFTW, SFTY, SIMS, SPAC, UNSY, WEAX*		27
Total Credits		33

* Disciplines to award in electives.

Professional Development Electives

ACCT, AFAS, AMNT, AMST, ASCI, ATMG, AVMG, AVSF, BUAN, CISE, COIN, CPSC, CYBR, ECON, FACR, FINE, GEOS, GSIS, HIST, HLSC, INTL, MGMT, MILS, MKTG, MMIS, NSCI, SFTY, SIMS, SPAC, UNSY, WEAX**	21
Total Credits	21

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

Open Electives

Open Electives	13
Total Credits	13

Suggested Plan of Study

Year One

Requirements	Credits
UNIV 101 - College Success or ASCI 101 - Aeronautical Science Student Success Seminar	1
ASCI 120 - Principles of Aeronautical Science	3
MATH 111 - Pre-calculus for Aviation	3
COMM 122 - English Composition	3
Social Sciences - Lower Level	3
Semester Hours	13

Requirements	Credits
ACCT 210 - Financial Accounting	3
COMM 219 - Speech	3
MATH 112 - Applied Calculus for Aviation or STAT 222 - Business Statistics	3
Humanities - Lower level	3
Physical/Life Sciences	3
Physical/Life Sciences Lab	1
Semester Hours	16

Total Credits

Total Hours for All Requirements: 29

Year Two

Requirements	Credits
COMM 221 - Technical Communication or 222 - Business Communication	3
ECON 200 - An Economic Survey, 210 - Microeconomics, 211 - Macroeconomics, or MGMT 201 - Principles of Management	3
Area of Concentration (AAOC)	3
Humanities/Social Sciences - Upper Level	3

Physical/Life Sciences	3
Semester Hours	15

Requirements	Credits
AVSF 210 - Introduction to Aerospace Safety	3
ASCI 254 - Aviation Legislation	3
Area of Concentration (AAOC)	3
Humanities/Social Sciences - Lower or Upper Level	3
Computer Science/Information Technology	3
Open Elective	1
Semester Hours	16

Total Credits

Total Hours for All Requirements: 31

Year Three

Requirements	Credits
Area of Concentration (AAOC)	3
Open Elective	3
Professional Development Elective (PD)	3
Professional Development Elective (PD)	3
Professional Development Elective (PD)	3
Semester Hours	15

Requirements	Credits
Area of Concentration (AAOC) - Upper Level	3
Area of Concentration (AAOC) - Upper Level	3
Open Elective	3
Professional Development Elective (PD)	3
Professional Development Elective (PD)	3
Semester Hours	15

Total Credits

Total Hours for All Requirements: 30

Year Four

Requirements	Credits
ASCI 404 - Applications in Aviation and Aerospace Law or 405 - Aviation Law	3
Area of Concentration (AAOC)	3
Area of Concentration (AAOC) - Upper Level	3
Open Elective	3
Professional Development Elective (PD)	3
Semester Hours	15

Requirements	Credits
ASCI 491 - Operational Applications in Aeronautics	3
Area of Concentration (AAOC)	3
Area of Concentration (AAOC)	3

Open Elective - Upper Level	3
Professional Development Elective (PD)	3
Semester Hours	15

Total Credits

Total Hours for All Requirements: 30

Prescott Program Requirements

General Education Requirements	37
Core Requirements	16
Aviation Area of Concentration	33
Professional Development Electives	21
Open Electives	13
Total Credits [^]	120

[^] Students must select and complete one minor field of study.

Program Details

The Bachelor of Science in Aeronautics program requires successful completion of a minimum of 120 credit hours, including at least 40 upper-level credit hours. The program may be completed in eight semesters, or four years, assuming appropriate background and full-time enrollment. 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 curriculum followed by each student may vary depending on any prior learning or transfer credits awarded. The courses necessary 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 met prior to enrollment in advanced coursework.

General Education Requirements

Communication	9
Humanities - Lower Level	3
Social Sciences - Lower Level	3
Humanities/Social Sciences - Lower or Upper Level	3
Humanities/Social Sciences - Upper Level	3
Computer Science/Information Technology	3
Mathematics	6
MATH 112 Applied Calculus for Aviation	
or STAT 222 Business Statistics	
Any approved GE Math course above College Algebra	
Physical/Life Sciences	7
One course must contain a lab	
Total Credits	37

Core Requirements

ASCI 101	Aeronautical Science Student Success Seminar	1
or UNIV 101	College Success	
or ASCI 202	Introduction to Aeronautical Science	
ASCI 254	Aviation Legislation	3
ACCT 210	Financial Accounting	3
or MGMT 201	Principles of Management	
ECON 200	An Economic Survey	3
or ECON 210	Microeconomics	
or ECON 211	Macroeconomics	
or MGMT 201	Principles of Management	
ASCI 404	Applications in Aviation and Aerospace Law	3

or ASCI 405	Aviation Law	
AVSF 210	Introduction to Aerospace Safety	3
Total Credits		16

Aviation Area of Concentration

ASCI 120	Principles of Aeronautical Science	3
or ASCI 121	Private Pilot Operations	
ASCI 207	Introduction to Aviation Research Methods	3
ASCI 410	Airline Dispatch Operations	3
or ASCI 480	Applied Aviation Research Methods	
AMNT, AMST, ASCI, ATMG, AVSF, CESC, COIN, CYBR, ENGR, ESCI, ETEC, FACR, GEOS, HFCT, HIST, INTL, SCLM, SCTY, SFTW, SFTY, SIMS, SPAC, UNSY, WEAX *		24
Total Credits		33

* Disciplines to award in electives.

Professional Development Electives

ACCT, AFAS, AMNT, AMST, ASCI, ATMG, AVMG, AVSF, BUAN, CISE, COIN, CPSC, CYBR, ECON, FACR, FINE, GEOS, GSIS, HIST, HLSC, INTL, MGMT, MILS, MKTG, MMIS, NSCI, SFTY, SIMS, SPAC, UNSY, WEAX **	21
Total Credits	21

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

Open Electives

Open Electives	13
Total Credits	13

Suggested Plan of Study

Year One

Requirements	Credits
UNIV 101 - College Success	1
ASCI 120 - Principles of Aeronautical Science or 121 - Private Pilot Operations	3
MATH 111 - Pre-calculus for Aviation	3
COMM 122 - English Composition	3
PSYC 101 - Introduction to Psychology or 222 - Introduction to Industrial/Organizational Psychology	3
or Social Sciences - Lower Level	
Semester Hours	13

Requirements	Credits
ACCT 210 - Financial Accounting or MGMT 201 - Principles of Management	3
COMM 219 - Speech	3
MATH 112 - Applied Calculus for Aviation or STAT 222 - Business Statistics	3
PHYS 113 - Introductory Physics I	3
Humanities - Lower Level	3
Semester Hours	15

Total Credits

Total Hours for All Requirements: 28

Year Two

Requirements	Credits
COMM 221 - Technical Communication or 222 - Business Communication	3
ECON 200 - An Economic Survey, 210 - Microeconomics, or 211 - Macroeconomics	3
WEAX 201 - Introduction to Meteorology	3
WEAX 203L - Survey of Meteorology Laboratory	1
Area of Concentration (AAOC)	3
Area of Concentration (AAOC)	3
Semester Hours	16

Requirements	Credits
AVSF 210 - Introduction to Aerospace Safety	3
ASCI 254 - Aviation Legislation	3
Area of Concentration (AAOC)	3
Computer Science	3
Humanities/Social Sciences - Lower or Upper Level	3
Open Elective	1
Semester Hours	16

Total Credits

Total Hours for All Requirements: 32

Year Three

Requirements	Credits
Area of Concentration (AAOC)	3
Humanities/Social Sciences - Upper Level	3
Professional Development Elective (PD)	3
Professional Development Elective (PD)	3
Professional Development Elective (PD)	3
Semester Hours	15

Requirements	Credits
Open Elective	3
Professional Development Elective (PD)	3
Professional Development Elective (PD)	3
Area of Concentration (AAOC) - Upper Level	3
Area of Concentration (AAOC) - Upper Level	3
Semester Hours	15

Total Credits

Total Hours for All Requirements: 30

Year Four

Requirements	Credits
ASCI 207 - Introduction to Aviation Research Methods	3

ASCI 404 - Applications in Aviation and Aerospace Law or 405 - Aviation Law	3
Area of Concentration (AAOC) - Upper Level	3
Open Elective	3
Professional Development Elective (PD)	3
Semester Hours	15

Requirements	Credits
ASCI 480 - Applied Aviation Research Methods or 410 - Airline Dispatch Operations	3
Area of Concentration (AAOC) - Upper Level	3
Open Elective	3
Open Elective	3
Professional Development Elective (PD)	3
Semester Hours	15

Total Credits

Total Hours for All Requirements: 30

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, SOSC, HUMN, MISA, BHSI, 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/>)

Asia Program Requirements

General Education Requirements	36
Core Requirements	19
Program Support Courses	21
Aviation Area of Concentration	12
Minor	18
Electives	15
Total Credits	121

Program Details

The Bachelor of Science in Aeronautics at the Asia Campus requires successful completion of a minimum of 121 credit hours. Students should consult their advising report to determine which modules, if any, have been granted as exemptions. The courses required to earn this degree are listed below.

Students should be aware that many modules 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 instructor availability, the number of modules taken during a term, and other academic considerations.

Based on placement examination results, students may be required to complete one or more of the following modules prior to beginning the program: COMM 104, COMM 106, MATH 100, and/or MATH 106. Students should consult with their academic advisor to develop an individualized plan of study.

Note: Asia campus students follow Worldwide prerequisite requirements unless otherwise specified.

General Education Requirements

Communication	9
COMM 122	English Composition
COMM 222	Business Communication
COMM 224	Collaborative Writing and Presenting
Humanities - Lower Level	3
ECON 210	Microeconomics
Social Sciences - Lower Level	3
SOSC 210	Introduction to Sociology
Humanities/Social Sciences - Lower or Upper Level	3
ECON 211	Macroeconomics
Humanities - Upper Level	3
HUMN 330	Values and Ethics
Computer Science/Information Technology	3
CPSC 123	Introduction to Computing for Data Analysis
Mathematics	6
MATH 111	Pre-calculus for Aviation
MATH 112	Applied Calculus for Aviation
Physical/Life Sciences	6
EVSC 142	Introduction to Environmental Science
WEAX 201	Introduction to Meteorology
Total Credits	36

Core Requirements

UNIV 101	College Success	1
ASCI 185	Introduction to Flight	3
or ASCI 202	Introduction to Aeronautical Science	
RSCH 202	Introduction to Research Methods	3
COIN 496	Co-Operative Education *	3
or SFTY 326	System Safety	

SCLM 420	Management of Production and Operations	3
AVSF 409	Aviation Safety	3
ASCI 491	Operational Applications in Aeronautics	3
Total Credits		19

* COIN 496 is a mandatory 3-credit course module intended for all undergraduate students to take as part of the Bachelor of Science in Aeronautics offered through the Singapore location. Under certain extenuating circumstances, COIN 496 may be substituted on a case-by-case basis for SFTY 326 System Safety in discussion with the Academic Advising Team. COIN 496 is an industry attachment serving as a structured supervised internship through which a student is personally coached by expert faculty. COIN 496 intends to add value to the student experience and benefit student employability upon completion of the degree program.

Program Support Courses

ASCI 254	Aviation Legislation	3
ASCI 404	Applications in Aviation and Aerospace Law	3
MGMT 201	Principles of Management	3
STAT 211	Statistics with Aviation Applications	3
MMIS 320	Business Information Systems	3
UNSY 220	Uncrewed Aircraft Systems	3
ASCI 309	Aerodynamics	3
Total Credits		21

Aviation Area of Concentration

SCTY 401	Aviation Security	3
SFTY 426	System Safety Management	3
ACCT 210	Financial Accounting	3
AVSF 320	Human Factors in Aviation Safety	3
Total Credits		12

Minor

Singapore Minor **	18
Total Credits	18

** View Available Singapore Minors at <https://nextcatalog.erau.edu/campuses/asia/> (<https://catalog.erau.edu/campuses/asia/>).

Electives

Open Electives	15
Total Credits	15

Suggested Plans of Study

Part Time

Year One

Requirements	Credits
COMM 122 - English Composition	3
MATH 111 - Pre-calculus for Aviation	3
UNIV 101 - College Success	1
Semester Hours	7

Requirements	Credits
EVSC 142 - Introduction to Environmental Science	3

CPSC 123 - Introduction to Computing for Data Analysis	3
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Semester Hours	6
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Requirements	Credits
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ASCI 185 - Introduction to Flight or 202 - Introduction to Aeronautical Science	3
WEAX 201 - Introduction to Meteorology	3

Semester Hours	6
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Requirements	Credits
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MATH 112 - Applied Calculus for Aviation	3
STAT 211 - Statistics with Aviation Applications	3

Semester Hours	6
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Requirements	Credits
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ASCI 185 - Introduction to Flight	3
ECON 210 - Microeconomics	3

Semester Hours	6
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Total Credits

Total Hours for All Requirements: 31

Year Two

Requirements	Credits
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SOSC 210 - Introduction to Sociology	3
ASCI 254 - Aviation Legislation	3

Semester Hours	6
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Requirements	Credits
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COMM 224 - Collaborative Writing and Presenting	3
ECON 210 - Microeconomics	3

Semester Hours	6
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Requirements	Credits
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RSCH 202 - Introduction to Research Methods	3
COMM 222 - Business Communication	3

Semester Hours	6
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Requirements	Credits
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ECON 211 - Macroeconomics	3
MGMT 201 - Principles of Management	3

Semester Hours	6
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Total Credits

Total Hours for All Requirements: 24

Year Three

Requirements	Credits
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ACCT 210 - Financial Accounting	3
Minor/Elective 1	3

Semester Hours	6
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Requirements	Credits
ASCI 309 - Aerodynamics	3
UNSY 220 - Uncrewed Aircraft Systems	3
Semester Hours	6

Requirements	Credits
Minor/Elective 2	3
AVSF 320 - Human Factors in Aviation Safety	3
Semester Hours	6

Requirements	Credits
MMIS 320 - Business Information Systems	3
Minor/Elective 3	3
Semester Hours	6

Total Credits

Total Hours for All Requirements: 24

Year Four

Requirements	Credits
HUMN 330 - Values and Ethics	3
SCTY 401 - Aviation Security	3
Semester Hours	6

Requirements	Credits
Minor/Elective 4	3
SFTY 426 - System Safety Management	3
Semester Hours	6

Requirements	Credits
Minor/Elective 5	3
Minor/Elective 6	3
Semester Hours	6

Requirements	Credits
ASCI 404 - Applications in Aviation and Aerospace Law	3
SCLM 420 - Management of Production and Operations	3
Semester Hours	6

Total Credits

Total Hours for All Requirements: 24

Year Five

Requirements	Credits
Minor/Elective 7	3
AVSF 409 - Aviation Safety	3
Semester Hours	6

Requirements	Credits
Minor/Elective 8	3
Minor/Elective 9	3
Semester Hours	6

Requirements	Credits
COIN 496 - Co-Operative Education or SFTY 326 - System Safety	3

Minor/Elective 10	3
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Semester Hours	6
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Requirements	Credits
ASCI 491 - Operational Applications in Aeronautics	3
Minor/Elective 11	3
Semester Hours	6

Total Credits

Total Hours for All Requirements: 24

Full Time

Year One

Requirements	Credits
COMM 122 - English Composition	3
MATH 111 - Pre-calculus for Aviation	3
CPSC 123 - Introduction to Computing for Data Analysis	3
UNIV 101 - College Success	1
Semester Hours	10

Requirements	Credits
EVSC 142 - Introduction to Environmental Science	3
ASCI 185 - Introduction to Flight or 202 - Introduction to Aeronautical Science	3
WEAX 201 - Introduction to Meteorology	3
Semester Hours	9

Requirements	Credits
MATH 112 - Applied Calculus for Aviation	3
STAT 211 - Statistics with Aviation Applications	3
SOSC 210 - Introduction to Sociology	3
Semester Hours	9

Requirements	Credits
ASCI 254 - Aviation Legislation	3
COMM 223 - Intelligence Communication	3
ECON 210 - Microeconomics	3
Semester Hours	9

Total Credits

Total Hours for All Requirements: 37

Year Two

Requirements	Credits
RSCH 202 - Introduction to Research Methods	3
COMM 224 - Collaborative Writing and Presenting	3
ECON 211 - Macroeconomics	3
Semester Hours	9

Requirements	Credits
MGMT 201 - Principles of Management	3
ACCT 210 - Financial Accounting	3
Minor/Elective 1	3
Semester Hours	9

Requirements	Credits
ASCI 309 - Aerodynamics	3
UNSY 220 - Uncrewed Aircraft Systems	3
Minor/Elective 2	3
Semester Hours	9

Requirements	Credits
AVSF 320 - Human Factors in Aviation Safety	3
MMIS 320 - Business Information Systems	3
Minor/Elective 3	3
Semester Hours	9

Total Credits

Total Hours for All Requirements: 36

Year Three

Requirements	Credits
HUMN 330 - Values and Ethics	3
SCTY 401 - Aviation Security	3
Minor/Elective 4	3
Semester Hours	9

Requirements	Credits
SFTY 426 - System Safety Management	3
Minor/Elective 5	3
Minor/Elective 6	3
Semester Hours	9

Requirements	Credits
ASCI 404 - Applications in Aviation and Aerospace Law	3
SCLM 420 - Management of Production and Operations	3
Minor/Elective 7	3
Semester Hours	9

Requirements	Credits
AVSF 409 - Aviation Safety	3
Minor/Elective 8	3
Minor/Elective 9	3
Semester Hours	9

Total Credits

Total Hours for All Requirements: 36

Year Four

Requirements	Credits
COIN 496 - Co-Operative Education or SFTY 326 - System Safety	3
Minor/Elective 10	3
Semester Hours	6

Requirements	Credits
ASCI 491 - Operational Applications in Aeronautics	3
Minor/Elective 11	3
Semester Hours	6

Total Credits

Total Hours for All Requirements: 12