

B.S. in Aeronautics

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 or Social Sciences - Lower Level	3
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