

B.S. in Aviation Business Administration

Mission and Educational Goals

The mission of the Aviation Business Administration (ABA) Program is to educate and prepare the next generation of business leaders in the aviation industry through superior teaching and mentoring. We create a student-centered educational experience emphasizing problem-based experiential learning with industry clients and projects to develop graduates capable of leading future innovation in the aviation and aerospace industries.

Our curriculum is designed around five educational goals:

1. Develop effective oral and written **communication skills**.
2. Build higher cognitive skills including **critical thinking, creativity, and analytical ability**.
3. Prepare students to **identify and solve problems, make decisions and prioritize**.
4. Promote **collaborative team learning** through work in diverse teams.
5. Cultivate **lifelong learning** through initiative and independent thinking and research.

Students will:

- Analyze basic business concepts and introductory terminology in the commercial air transport industry.
- Analyze economic factors relevant to air transportation issues.
- Evaluate trends and contemporary issues within the global commercial air transport industry.
- Integrate extensive knowledge of core business principles and competencies, including accounting, economics, management, quantitative business analysis, finance, marketing, legal/social, and information systems.
- Apply core business knowledge through consulting and/or professional industry performance.
- Synthesize specialized knowledge appropriate to relevant their area of concentration.

Degree Requirements

The Bachelor of Science degree in Aviation Business Administration (ABA) requires successful completion of a minimum of 120 credit hours and is normally completed in eight semesters. Designed for students interested in obtaining a strong business foundation with emphasis on specific aviation business and management opportunities, the student may select an Area of Concentration in Airport and Airline Management, Supply Chain Management in Aviation and Aerospace, Flight Operations and Management.

Students should declare their Area of Concentration at the beginning of their sophomore year. Students who want to specialize in more than one Area of Concentration may cross-utilize up to 6 credit hours toward the second area of concentration.

Select Aviation Business Administration program offerings at the Prescott Campus are accredited by the Aviation Accreditation Board International (AABI) and the Association of Collegiate Business Schools and Programs (ACBSP). The goal of our accredited programs is to create aviation management professionals with strong business and leadership acumen.

Program Requirements

General Education

Embry-Riddle degree programs require students to complete a minimum of 36 hours of General Education coursework. For a full description of

Embry-Riddle General Education guidelines, please see the General Education section of this catalog.

Students may choose other classes outside of their requirements, but doing so can result in the student having to complete more than the degree's 120 credit hours. This will result in additional **time and cost** to the student.

Communication Theory and Skills	9
Computer Science/Information Technology	3
Mathematics	6
Physical and Life Sciences (Natural Sciences)	6
Humanities and Social Sciences	12
3 hours of lower-level Humanities	
3 hours of lower-level Social Science	
3 hours of lower-level or upper-level Humanities or Social Science	
3 hours of upper-level Humanities or Social Science	
Total Credits	36

Aviation Business Administration Core (82-83 Credits)

The following course of study outlines the quickest and most cost-efficient route for students to earn their B.S. in Aviation Business Administration. Students are encouraged to follow the course of study to ensure they complete all program required courses and their prerequisites within four years.

Courses in the core with a # will satisfy general education requirements.

ACC 210	Financial Accounting *	3
ACC 312	Managerial Accounting **	3
AS 120	Principles of Aeronautical Science	3
or BA 102	Introduction to Aviation, Aerospace and Global Business	
BA 201	Principles of Management	3
BA 222	Business Analytics Tools #	3
BA 311	Marketing	3
BA 319	Managerial and Organizational Behavior *	3
BA 320	Business Information Systems	3
BA 325	Social Responsibility and Ethics in Management	3
BA 335	International Business	3
BA 352	Business Analytics for Decision Making	3
BA 353	Management of Production and Operations	3
BA 390	Business Law	3
BA 437	Strategic Management and Consulting	3
COM 122	English Composition #	3
EC 210	Microeconomics #	3
EC 211	Macroeconomics	3
FIN 332	Corporate Finance I *	3
	General Education -Communications Elective #	6
	General Education - lower-level Humanities #	3
	General Education - upper-level Humanities or Social Science #	3
	General Education - Natural Science Elective (One must include a lab) #	7-8
MA 111	Pre-Calculus for Aviation #	3
or MA 120	Quantitative Methods I	
MA 222	Business Statistics #	3
PSY 101	Introduction to Psychology (OR Social Science Lower-Level Elective) #	3
Total Credits		82-83

Aviation Core (9 Credits)

AS 405	Aviation Law	3
or BA 324	Aviation Labor Relations	
BA 443	Trends and Current Issues in Commercial Air Transport	3
EC 330	Air Transport Economics	3

Open Electives (12-15 Credits)

Open Electives	12-15
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Areas of Concentration

Students must select one of the four following Areas of Concentration.

Airport and Airline Management (15 Credits)

Choose five courses from the following list: 15

AS 322	Operational and Industrial Aspects of UAS
AS 402	Airline Operations
BA 408	Airport Management
BA 410	Management of Air Cargo **
BA 415	Airline Management
BIO 403	Wildlife and Airports
FIN 418	Airport Administration and Finance
SF 341	Safety and Security of Airport Ground Operations

Study abroad or Internship approved by Department Chair

Total Credits 15

Flight Operations (16 Credits)

Students interested in the Flight Operations area of concentration should begin their coursework as soon as possible, focusing on Fixed Wing (16 credits).

AS 121	Private Pilot Operations	5
AS 221	Instrument Pilot Operations and Instrument Pilot Operations Laboratory	4
AS 321	Commercial Pilot Operations and Commercial Pilot Operations Laboratory	4
FA 121	Private Single Flight	1
FA 221	Instrument Single Flight	1
FA 321	Commercial Single Flight	1

Total Credits 16

Students desiring a Fixed Wing FAA Commercial Pilot Certificate should note that the Commercial Pilot Certificates for both Airplane Single-Engine and Multi-Engine Land are issued upon the successful completion of FA 323, which requires additional flight costs. Please see the College of Aviation academic advisor for information on requirements for an FAA Commercial Pilot Certificate.

Management (15 Credits)

BA 341	Global Logistics and Supply Chain Management **	3
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Select two aviation-focused electives: 6

AS 322	Operational and Industrial Aspects of UAS
AS 402	Airline Operations
BA 408	Airport Management
BA 410	Management of Air Cargo
BA 415	Airline Management
FIN 347	Aviation Finance I
FIN 418	Airport Administration and Finance
SF 320	Human Factors in Aviation Safety
SF 345	Safety Program Management

Study abroad or Internship approved by Department Chair

Select two focused electives: 6

ACC 329	Forensic Accounting and Fraud Examination
BA 328	Professional Consulting
BA 370	Machine Learning and Big Data
BA 421	Small Business Management
BA 441	Global Entrepreneurship and Innovation
FIN 333	Personal Financial Planning
SIS 365	Project Management

Study abroad or Internship approved by Department Chair

Total Credits 15

Supply Chain Management in Aviation and Aerospace (15 Credits)

AS 322	Operational and Industrial Aspects of UAS	3
BA 215	Transportation Principles *	3
BA 341	Global Logistics and Supply Chain Management **	3
BA 410	Management of Air Cargo **	3

Select one course from the following: 3

BA 328	Professional Consulting
BA 441	Global Entrepreneurship and Innovation *
SIS 365	Project Management

Study abroad or Internship approved by Department Chair

Total Credits 15

Total Credits 120

* Offered in Fall Only

** Offered in Spring Only

General Education Courses

All Army ROTC students are required to complete SS 321 - U.S. Military History 1900-Present (3 credits) in order to commission.

Aviation Business Administration - General

This suggested sequencing is appropriate for most ABA students. However, those seeking a Flight Operations concentration should consult their advisor, as their particular (flight-oriented) concentration courses should be scheduled much earlier in the sequence.

Freshman Year

Fall		Credits
AS 120	Principles of Aeronautical Science	3
or BA 102	Introduction to Aviation, Aerospace and Global Business	
COM 122	English Composition	3
MA 111	Pre-Calculus for Aviation	3
	Open Elective	4
PSY 101	Introduction to Psychology (OR Social Science Lower-Level Elective)	3
UNIV 101	College Success	(1)
Credits Subtotal		16.0

Spring

BA 201	Principles of Management	3
BA 222	Business Analytics Tools	3
EC 210	Microeconomics	3
	Humanities Lower-Level Elective	3
	Natural Science Elective	3
Credits Subtotal		15.0

Sophomore Year

Fall

ACC 210	Financial Accounting	3
COM 219	Speech	3
EC 211	Macroeconomics	3
MA 222	Business Statistics	3
	Open Elective	4
Credits Subtotal		16.0

Spring

ACC 312	Managerial Accounting	3
BA 319	Managerial and Organizational Behavior	3
BA 352	Business Analytics for Decision Making	3
COM 221	Technical Report Writing	3
or COM 222	Business Communication	
or COM 223	Intelligence Writing	
	Natural Science Elective with Lab	4
Credits Subtotal		16.0

Junior Year**Fall**

AS 405	Aviation Law	3
or BA 324	Aviation Labor Relations	
BA 311	Marketing	3
BA 335	International Business	3
	Concentration Course	3
FIN 332	Corporate Finance I	3
Credits Subtotal		15.0

Spring

BA 353	Management of Production and Operations	3
	Concentration Courses	6
EC 330	Air Transport Economics	3
	Open Elective	3
Credits Subtotal		15.0

Senior Year**Fall**

BA 320	Business Information Systems	3
BA 325	Social Responsibility and Ethics in Management	3
BA 390	Business Law	3
	Concentration Course	3
Credits Subtotal		12.0

Spring

BA 437	Strategic Management and Consulting	3
BA 443	Trends and Current Issues in Commercial Air Transport	3
	Concentration Course	3
	Humanities or Social Science Upper-Level Elective	3
	Open Elective	3
Credits Subtotal		15.0
Credits Total:		120.0