

AVIATION ADMINISTRATION, BSBA

Program Description

Aviation is a dynamic, global industry at the forefront of transportation and innovation. By choosing a career in aviation administration, you will enter an industry essential to connecting the world, advancing technology, and ensuring safety in the skies. Our Bachelor of Science in Aviation Administration is designed to prepare you for leadership roles in this exciting and ever-evolving field.

Aviation administration professionals must be adept at managing complex operations while ensuring profitability and safety within the highly regulated aviation sector. Our program is designed to address these challenges by integrating general business, analytics, and finance courses with aviation-specific management and operations coursework. This ensures that graduates not only understand the operational side of aviation but also have the business acumen to lead in this dynamic field.

Degree Earned

BSBA

Required for Graduation

- Courses
 - 40
- Credits
 - 120
- GPA

Progress Chart

Level One - Core Courses

12 courses and 2 modules required.

Major Requirements

Major requirements include 4 Level Two ILO requirements, *fulfilled through the major*.

Students in this major must complete **40** courses in total in order to graduate. **20** courses will be from this major program.

Code	Title	Credits
Level One - Core Courses		
<i>Universal Required Courses</i>		
Students must complete the following 4 courses.		
ILO 8.1: Written Communication (https://catalog.lasalle.edu/undergraduate/ilo/)		
ENG 110	College Writing I: Persuasion	3
ILO 5.1: Information Literacy (https://catalog.lasalle.edu/undergraduate/ilo/)		
ENG 210	College Writing II: Research	3
ILO 1.1: Understanding Diverse Perspectives (https://catalog.lasalle.edu/undergraduate/ilo/)		
FYS 130	First-Year Academic Seminar ¹	3
ILO 2.1: Reflective Thinking and Valuing (https://catalog.lasalle.edu/undergraduate/ilo/)		
REL 100	Religion Matters	3
<i>Elective Core Courses</i>		

Students must complete 1 course in each of the following 4 ILOs.

ILO 3.1a: Scientific Reasoning (https://catalog.lasalle.edu/undergraduate/ilo/)		
Choose course within ILO (https://catalog.lasalle.edu/undergraduate/ilo/)		3
ILO 3.1b: Quantitative Reasoning (https://catalog.lasalle.edu/undergraduate/ilo/)		
MTH 114	Applied Business Calculus	4
ILO 6.1: Technological Competency (https://catalog.lasalle.edu/undergraduate/ilo/)		
CSC 155	Introduction to Computer Applications for Business	3
ILO 8.1a/12.1: Oral Communication/Collaborative Engagement (https://catalog.lasalle.edu/undergraduate/ilo/)		
BUS 150	Presentation and Collaboration Skills for Business	3
<i>Distinct Discipline Core Courses</i>		
Students must complete 1 course in each of the following 4 ILOs. Each course must be from a different discipline. (A "discipline" is represented by the 3- or 4-letter prefix attached to each course.)		
ILO 4.1: Critical Analysis and Reasoning (https://catalog.lasalle.edu/undergraduate/ilo/)		
ECN 150	Introductory Macroeconomics: The U.S. in the Global Economy I	3

ILO 9.1: Creative and Artistic Expression (https://catalog.lasalle.edu/undergraduate/ilo/)		
Choose course within ILO (https://catalog.lasalle.edu/undergraduate/ilo/)		3
ILO 10.1: Ethical Understanding and Reasoning (https://catalog.lasalle.edu/undergraduate/ilo/)		
Choose course within ILO (https://catalog.lasalle.edu/undergraduate/ilo/)		3
ILO 11.1: Cultural and Global Awareness and Sensitivity (https://catalog.lasalle.edu/undergraduate/ilo/)		
Choose course within ILO (https://catalog.lasalle.edu/undergraduate/ilo/)		3

Universal Required Modules

Students must complete the following 2 non-credit modules. ²

ILO 7.1a (https://catalog.lasalle.edu/undergraduate/ilo/)		
Health Literacy Module		
ILO 7.1b (https://catalog.lasalle.edu/undergraduate/ilo/)		
Financial Literacy Module		

Major Requirements

Level Two

Students must complete 1 course/learning experience in each of the 4 commitments.

ILO 2.2: Broader Identity (Capstone Course/Experience) (https://catalog.lasalle.edu/undergraduate/ilo/)		
Select one ILO from 3.2a, 3.2b, 4.2, 5.2, 6.2, 7.2a, or 7.2b: Expanded Literacies (https://catalog.lasalle.edu/undergraduate/ilo/)		
BUS 304	Prescriptive Analytics (ILO 6.2)	3
ILO 8.2b: Effective Expression (Writing-Intensive Course) (https://catalog.lasalle.edu/undergraduate/ilo/)		
BUS 203	Organizational Behavior and Skill Development	3
Select one ILO from 10.2, 11.2, or 12.2: Active Responsibility (https://catalog.lasalle.edu/undergraduate/ilo/)		

All Other Required Courses

Business Core ³		
BUS 102	Accounting for Financial and Managerial Decision-Making	3
BUS 202	Descriptive and Predictive Analytics	3
BUS 204	Principles of Marketing with Applications	3
BUS 205	Business Systems for Analytics	3
BUS 208	Fundamentals of Financial Management	2-3
FIN 314	Risk Management	3
BSA 405	Emerging Trends in Business Systems and Analytics	3
Lewis University Coursework		40
AVTR 13000		
AVTR 20100		
AVTR 20300		
AVTR 20400		
AVTR 25000		
AVTR 30500		
AVTR 31300		
AVTR 35300		
AVTR 37300		
AVTR 4500		
AVTR 45200		
AVTR 45300		
AVTR 46100		
AVTR 46300		
Free Electives		12
In addition to the requirements listed above, students must take enough courses to the fulfill graduation credit requirements for their School and major.		
Total Credits		115-116

1

NOTE. The following students use Level 2 Capstone Experience in Major instead of FYS 130 First-Year Academic Seminar: Honors, BUSCA, Core-to-Core, Transfer, and Non-Traditional/Evening.

2

The Modules are **not** required for Transfer Students, Core-to-Core Students, or BUSCA Students. BUSCA students are required to take modules if/when they pursue a bachelor's degree.

3

The Business Core, required of all majors in business, provides students with skills and knowledge across a wide array of business disciplines. Courses in the Business Core introduce students to all areas in which they can major and provide a foundation upon which upper-level major courses build.

Course	Title	Credits
First Year		
First Semester		
BUS 101	Introduction to Financial Accounting	3
CSC 155	Introduction to Computer Applications for Business	3
ENG 110	College Writing I: Persuasion	3
FYS 130	First-Year Academic Seminar	3
MTH 114	Applied Business Calculus	4
Credits		16

Second Semester

BUS 102	Accounting for Financial and Managerial Decision-Making	3
BUS 203	Organizational Behavior and Skill Development	3
ENG 210	College Writing II: Research	3
AVTR 20300	Visual Aircraft Recognition	1
AVTR 20400	Aviation Regulations	3
Credits		13

Second Year**First Semester**

BUS 204	Principles of Marketing with Applications	3
BUS 150	Presentation and Collaboration Skills for Business	3
ILO 9: Choose course within ILO (https://catalog.lasalle.edu/undergraduate/ilo/)		3
AVTR 13000	Private Pilot Ground	3
AVTR 25000	Aviation Meteorology	3
Credits		15

Second Semester

BUS 202	Descriptive and Predictive Analytics	3
BUS 208	Fundamentals of Financial Management	3
ILO 11: Choose course within ILO (https://catalog.lasalle.edu/undergraduate/ilo/)		3
AVTR 20100	Human Factors	3
AVTR 35300	Air Transportation	3
Credits		15

Third Year**First Semester**

BUS 205	Business Systems for Analytics	3
ECN 150	Introductory Macroeconomics: The U.S. in the Global Economy I	3
REL 100	Religion Matters	3
AVTR 30500	Crew Resource Management	3
AVTR 37300	Transportation Safety Management	3
Credits		15

Second Semester

FIN 304	Financial Decision-Making	3
ILO 10: Choose course within ILO (https://catalog.lasalle.edu/undergraduate/ilo/)		3
Free Electives		3
AVTR 31300	Air Traffic Control Systems	3
AVTR 45200	Airport Management	3
Credits		15

Fourth Year**First Semester**

BUS 304	Prescriptive Analytics	3
ILO 3.1a: Scientific Reasoning (https://catalog.lasalle.edu/undergraduate/ilo/)		4
Free Electives		3
AVMT 46100	Aviation Maintenance Management	3
AVTR 46300	Aircraft Accident Investigation	3
Credits		16

Second Semester

BSA 405	Emerging Trends in Business Systems and Analytics	3
Free Electives		3
Free Electives		3
AVTR 45300	Airline Management and Economics	3
AVTR 45000	Aviation Issues and Trends	3
Credits		15
Total Credits		120

BUS 101 Introduction to Financial Accounting

The course introduces financial reporting by focusing on the fundamental principles of recording business transactions with emphasis on the presentation and interpretation of corporate financial information. Topics include an overview of financial reporting and the accounting cycle, as well as, accounting and reporting of operating, investing and financing activities of a business. Assignments employ both Excel and SAP.

CSC 155 Introduction to Computer Applications for Business

This course addresses effective analysis, design, and presentation of information for business, including advanced word processing, presentation graphics, spreadsheets, and databases, with emphasis on analysis. Topics include formulas, functions, charting, sorting, filtering, pivot tables, what-if analysis, database queries and reports, and business-specific library databases. Restriction(s): Credit will be given for only one of CSC 151, 152, 154, and 155.

BUS 102 Accounting for Financial and Managerial Decision-Making

An introduction to the fundamentals of managerial accounting with a special emphasis on using accounting information in decision making. Topics covered include corporate capital stock structure, planning and control systems, cost management systems, pricing decisions, and capital expenditure decisions. Assignments employ Excel. Prerequisite(s): BUS 101, CSC 155 and MTH 114 (CSC 155 and/or MTH 114 can be taken concurrently)

BUS 203 Organizational Behavior and Skill Development

This course examines the behavior of individuals and groups in organizations, with the goal of understanding performance in the new workplace. It is designed to enhance the career potential of people with management and team leadership responsibilities in all areas of business. Topics include: motivation, theories and practice of leadership, individual and group decision making, conflict resolution, communication, international aspects of organizational behavior, perception, individuality, working in groups and teams, and ethical issues of organizational life. The course also emphasizes interactive and experiential learning to demonstrate the issues of organizational behavior. Through active participation, students will develop skills in leadership, communication, negotiation, teamwork, and group decisionmaking. Career awareness and skill assessment will be done through brief lectures, personal inventories, and career planning experiences. Prerequisite(s): sophomore standing

BUS 204 Principles of Marketing with Applications

An overview of marketing concepts and principles applicable to business and other organizations. These include: factors influencing the marketing environment and buyer behavior; market segmentation and targeting; product development, pricing, promotion and distribution to satisfy the needs of selected target markets. Approximately one-third of the course is dedicated to planning and to applying marketing-based concepts to profit and non-profit enterprise situations.

BUS 150 Presentation and Collaboration Skills for Business

Focuses on the skills needed to link oral communication with the ability to work effectively in the current organizational environment. This course is based on the understanding that content and effective presentation of material are equally important in the understanding of communication. Active participation through oral presentations on current business topics is required. Students will make use of computer-based presentation technology.

BUS 202 Descriptive and Predictive Analytics

This course explains what happened and what will happen in business organizations using basic statistical methods relevant to descriptive and predictive analytics. The availability of massive amounts of data and technologies to process these data enables business organizations to use analytical approaches to decision-making. Descriptive analytics is the use of data to find out what has happened in the past or is currently happening; statistical techniques include descriptive statistics and visualization. Predictive analytics is the use of data to find out what could happen in the future; statistical techniques include regression analysis. This course will cover these techniques, descriptive statistics, visualization, and regression analysis, with emphasis on problem-solving and decision-making. This course will also cover probability, probability distributions, and statistical inference. Students will perform data analysis using statistical software packages. Prerequisite(s): MTH 114; CSC course recommended as a pre-requisite but may be taken concurrently

BUS 208 Fundamentals of Financial Management

An introduction to the major concepts and techniques of financial management with an emphasis on time value of money, security valuation, cost of capital, capital budgeting, and financial statement analysis. Prerequisite(s): BUS 101, MTH 114, CSC 155

BUS 205 Business Systems for Analytics

This course studies how business systems work and examines challenges confronting business organizations in the information age and beyond. One major challenge is to efficiently and effectively use three most important organizational resources, information, technology, and people, to provide service and value. To meet this challenge, the course studies business systems and strategies that organizations can utilize to organize data into information and synthesize information into knowledge. The course examines design and development of relational database management systems using Microsoft Access (structured query language), decision support systems using Microsoft Excel (what-if analysis, pivot tables, and decision tree analysis), enterprise information systems using SAP (ERPsim), and web-based systems using Google Analytics. The concepts, models, and frameworks are derived from both academic and professional sources. Prerequisite(s): CSC 155

FIN 304 Financial Decision-Making

This course focuses on how managers can construct a decision-making process and manage the creation of shareholder value. As the majority of financial decisions require an estimate of future events, we will spend considerable time investigating how to achieve the above objectives, subject to the constraints of an uncertain future. Outside readings, case studies, and text material will be used to integrate current financial theory with pragmatic financial decision making. Prerequisite(s): BUS 202, 206, and 208

BSA 405 Emerging Trends in Business Systems and Analytics

This course is designed to introduce students to one of several areas of multi-disciplinary emerging trends in Business Systems and Analytics. Students will learn the fundamental principles and concepts of a specific topic, its applicable technology, the design and implementation of the systems that support the area of study, and methods for measuring efficacy. Evolving technologies will be addressed as appropriate, and their relevance to business pursuits will be discussed and analyzed. Lectures and case studies will be used to give the student a solid understanding of the topic. A group project to develop and present an area initiative/concept will be the capstone of this course. This course is offered under different titles and can be repeated for additional credit when taken as a different topic. Prerequisite(s): Varies by topic

Program Contact Information