

100% ONLINE

AVIATION FINANCIAL MANAGEMENT GRADUATE CERTIFICATE

The U.S Bureau of Labor projects that job growth within the aviation field will increase by 8% through 2024. Financial performance and efficiency are key to the future successes of airlines and other aviation industries. Meet the demand for expert financial management within aviation fields with Purdue's 100% online Graduate Certificate in Aviation Financial Management.

The certificate prepares aviation professionals to evaluate financial operations within workplaces, develop strategies for maximizing revenue, proactively manage aviation capital assets, and effectively use financial tools to manage risk. All courses are delivered fully online and taught by expert Purdue faculty who have hands-on experience in aviation financial management.

The certificate's curriculum is practice-based and designed with working professionals in mind. Learn key competencies in finance, management, analytics, communication, and strategic thinking to build interdisciplinary skills that employers need.

The program is 100% online, so you can earn your certificate at your own pace and study from anywhere in the world. There are four required courses that can be completed in as little as 12 months. All students have up to 3 years to finish the certificate program.



LEARNING OBJECTIVES

The learning objectives include:

- Develop expert knowledge in finance, revenue management, asset management, leasing, trading, and financial risks.
- Utilize quantitative and qualitative tools to analyze financial data.
- Increase business communication skills.



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PLAN OF STUDY

The Aviation Financial Management Certificate program requires 12 credits of coursework that can be completed in as little as 12 months. All students have up to 3 years to complete the required 12 credits.

Four courses are required for the certificate program, and all of them may be applied towards the full Master of Science degree in Aviation and Aerospace Management.

COURSE OVERVIEW

COURSES	CREDITS
<i>AT 54600: Aviation Financial Instruments and Operations</i>	3
<i>AT 54700: Airline Revenue Management</i>	3
<i>AT 54800*: Aircraft Asset Management</i> <i>*prerequisite to AT 54900</i>	3
<i>AT 54900: Aircraft Leasing</i>	3
TOTAL	12

NOTE: All courses are subject to change and semester availability may vary.

COURSES

AT 54600-Aviation Financial Instruments and Operations

The course concentrates on increasing the understanding of financial expertise in analyzing trading and hedging programs for application in reducing aviation operational risk exposure. The studies include research into the development and use of operational indexes and their possible relation to hedging with commodity and security instruments. Emphasis will be placed on the understanding of current operational measurements and correlations to trading and hedging financial instruments in providing improved risk management in operational environments.

AT 54700-Airline Revenue Management

This course aims to provide students with experience in airline revenue management applications. Primarily focusing on the commercial operation of airlines, this course covers various contemporary topics such as the segmentation, inventory control, forecasting, budgeting and pricing. This course will use simulations to enhance the overall learning-teaching experience.

AT 54800-Aircraft Asset Management

This course provides the student with a detailed exploration of aircraft asset management programs in both airlines and business aviation organizations. Students analyze and study the critical components of an asset management program, the financial methods in aircraft asset management, acquisition proposals, and development plans of aircraft acquisitions in this course. An airline industry-relevant project is used to improve student reasoning and application of industry standard aircraft asset management analysis procedures to include forecasting techniques, present value calculations, and benefit-cost analyses. *This course serves as the foundational knowledge required for AT 54900.*

AT 54900-Aircraft Leasing

This course provides students with training and experience managing aircraft leases using financial and risk management methodologies specific to the airline and business aviation industries. Students conduct financial evaluations of leasing versus ownership programs of airlines, as well as analyze debt, equity and capital markets for aircraft financing. The course includes an examination of taxation issues related to aircraft leasing, maintenance reserves, and auditing of aircraft financial performance. *The prerequisite for this course is AT 54800.*



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