



<p><b>DELIVERY FORMAT</b> Hybrid Program</p>	<p><b>TIME TO COMPLETE</b> 12 Months</p>	<p><b>CREDIT HOURS</b> 32</p>
<p><b>TIME COMMITMENT</b> 10 to 20 Hours Weekly</p>	<p><b>START DATES</b> Fall, Spring</p>	<p><b>COST</b> The EMBA in Aerospace and Defense program offers a high return on investment. You'll gain knowledge and skills that prepare you for the highest levels of leadership and increased pay in the field. Tuition and fees for the program are \$70,880 (\$2,215 per credit hour). Books and materials, as well as meals, hotel, and local transportation during the residency weeks, are included. Transportation to and from the residency weeks is not included in the program's cost. Accepted students must pay a non-refundable enrollment deposit of \$1,500. Deposits are applied toward tuition expenses and secure a student's place in the upcoming class. There is no application fee for this degree.</p>

## AT A GLANCE

The hybrid Executive MBA in Aerospace and Defense at OU Online is purpose-built to strengthen the leadership and management capabilities of professionals in the aerospace and defense industry—including those without a traditional business background.

Developed and taught by industry leaders and distinguished OU faculty, the curriculum empowers students to synthesize complex concepts and apply integrative thinking across aerospace, defense, and business functions.

# WHAT CAN I DO WITH AN EMBA IN AEROSPACE AND DEFENSE

Earning an EMBA in Aerospace and Defense from the University of Oklahoma prepares you for career advancement in a variety of areas within the aerospace and defense industry, including private corporations, government agencies, consulting firms, think tanks and universities. Accelerate your career with some of the largest employers in the field:

- Program and Project Management
- Strategic Operations and Logistics
- Aerospace Systems Engineering Leadership
- Government and Defense Contracting
- Policy and Regulatory Affairs
- Innovation and Technology Development
- Global Supply Chain Management
- Business Development and Consulting
- Research and Analysis in Think Tanks
- Academic and Executive Education Roles

## INDUSTRY INSIGHTS

- **Median Pay for Aerospace Engineers:** \$134,830 per year. The median annual wage for aerospace engineers as of May 2024.
- **Job Outlook:** 6% growth (2023–2033). Employment for aerospace engineers is projected to grow faster than the average for all occupations.
- **Job Openings:** 4,200 openings per year (on average), driven by industry growth and workforce transitions.
- **Emerging Career Paths:** The aerospace and defense sector is rapidly expanding beyond traditional engineering roles. High-demand areas include:
  - **Software Engineering & Embedded Systems:** Supporting advanced weapons systems, communications, and autonomous platforms.
  - **AI/ML Specialists:** Developing intelligent systems for analytics, surveillance, and autonomous operations.
  - **Cybersecurity Professionals:** Protecting national defense infrastructure against evolving digital threats.
  - **Sustainable Aviation & Hydrogen Technologies:** Innovators are leading efforts in decarbonizing aviation through hydrogen fuel and sustainable aviation fuels.
  - **Electronic Warfare & Autonomous Drones:** Growth in unmanned systems and AI-powered electronic warfare is reshaping modern defense strategies.

Source: U.S. Bureau of Labor Statistics

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## PROGRAM OUTCOMES: WHAT YOU'LL LEARN

OU's hybrid EMBA in Aerospace and Defense program addresses the growing demand for individuals with financial management, critical thinking, strategy development, and innovation skills, and the specialized knowledge required for roles in the aerospace and defense industry.

- Apply key components of information technology, data management, and cybersecurity
- Construct financial reports and legal contracts in the aerospace and defense industry
- Compare, contrast, and apply leadership and management principles
- Develop the ability to analyze data for decision-making
- Design and implement strategies for aerospace and defense in a global market

**TO APPLY: [HTTPS://ONLINE.OU.EDU/ADMISSIONS/GRADUATE/](https://online.ou.edu/admissions/graduate/)**

**FOR MORE INFO: [HTTPS://ONLINE.OU.EDU/PROGRAM/EXECUTIVE-MBA-IN-AEROSPACE-AND-DEFENSE/](https://online.ou.edu/program/executive-mba-in-aerospace-and-defense/)**

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## COURSE DETAILS

The EMBA in Aerospace and Defense offers a comprehensive overview of key topics related to applying business and leadership principles to the Aerospace and Defense industry and could result in additional professional qualifications such as Lean Six Sigma.

### COURSE STRUCTURE

You'll earn 32 credit hours across 16 courses. All courses are 2-credit hours each and last for 8 weeks. You can expect a time commitment of 10-20 hours on average per week for two courses.

This program also includes three Residency Weeks (RW) – two in Oklahoma City and one global experience.

All courses are synchronous and require attendance. Live sessions are taught on Tuesdays and Thursdays from 7-9 p.m. CT. The entire class gathers online at the same time, holding discussions just as it does during the RWs. Sessions may also include guest speakers and participants communicate with each other and faculty between classes regarding assignments. These sessions are recorded so participants may watch the lectures and discussions at their convenience and as often as needed to master the content.

### ACCOUNTING IN AEROSPACE AND DEFENSE

**Credit Hours: 2**

This course will create a foundation for understanding accounting and financial management in the Aerospace and Defense (A&D) industry, including performance measurement and budgeting. This course is intended to provide students with a working knowledge of A&D financial statements, including preparation and analysis. This course includes an in-person class at the Gene Rainbolt Graduate School of Business in Oklahoma City.

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## **INFORMATION TECHNOLOGY AND CYBERSECURITY IN AEROSPACE AND DEFENSE**

**Credit Hours: 2**

Information technology and cybersecurity are crucial in managing a business in the aerospace and defense (A&D) industry. This course will provide a basic understanding of the technical and management aspects of data communications, networking infrastructure, and cybersecurity concepts for A&D.

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## **MANAGING SUPPLY CHAIN AND LOGISTICS IN AEROSPACE AND DEFENSE**

**Credit Hours: 2**

Supply chain and logistics are crucial in the aerospace and defense industry. A&D firms are attempting to improve their competitive positions by managing the flow of raw materials, work-in-process inventories, and finished goods. This course covers managing the supply chain that plans, sources, makes, and delivers an A&D organization's goods and/or services, from suppliers of raw materials to customers.

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## **LEGAL ENVIRONMENT FOR AEROSPACE AND DEFENSE**

**Credit Hours: 2**

This course examines the A&D industry contract vehicles, contract performance management, and regulation management and federal statutory law. Students will learn the legal and ethical environment of A&D business. The course provides necessary background on traditional A&D business law topics, including A&D contracting. This course includes an in-person class at the Gene Rainbolt Graduate School of Business in Oklahoma City.

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## **PROJECT MANAGEMENT FOR AEROSPACE AND DEFENSE**

**Credit Hours: 2**

This course develops the knowledge, skills, tools, and techniques to initiate, plan, execute, monitor, and control activities related to meeting A&D project requirements. It focuses on the theoretical foundations and practical applications of project management along with the IT tools to support project planning, budgeting, scheduling, cost analysis, resource leveling/control, and human resource management in A&D organizations.

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## **GLOBAL AEROSPACE AND DEFENSE STRATEGY**

**Credit Hours: 2**

This course develops an innovative mindset to deal with global complexity, barriers to international trade, and human resource challenges. Students are provided with the evidence, concepts, and models for understanding company performance in a global world and the issues facing executives in the early 21st century.

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## **STUDENTS WILL ALSO CHOOSE 10 COURSES (20 CREDIT HOURS) FROM THE FOLLOWING LIST:**

### **Field Project in Aerospace & Defense (Implementation)**

*Credit Hours: 2*

This course provides experiential learning in the aerospace and defense industry by having students apply knowledge from the classroom and work experience to analyzing problems facing A&D organizations. Field projects will deal with scoping the problem under study, structured analysis of the problem including data collection from internal and external sources, and development of recommendations, solutions, and a timeline for implementation.

### **Quantitative Methods & Models for Aerospace & Defense**

*Credit Hours: 2*

This course focuses on understanding and applying quantitative methods and models in the context of Aerospace & Defense (A&D). The course content is organized around three modules: summarizing quantitative data, relating and comparing data, and predicting outcomes based on sample data. The topics covered in these modules include descriptive statistics, associative statistics, regression, multiple regression, and inferential statistics.

### **Organizational Behavior in Aerospace & Defense Organizations**

*Credit Hours: 2*

This course deals with the need for managers to understand behavior in organizations and the challenges they face. It discusses individual differences, employee motivation, and effective job design, and how organizations should select, retain, and evaluate employees. The course discusses group dynamics, team management, effective communication, managing conflict, employee stress, and career management issues.

### **Aerospace and Defense Marketing Fundamentals**

*Credit Hours: 2*

The traditional role of marketing management is enlarged to include the development, implementation, and control of marketing strategies in the aerospace/defense organization. Emphasis is on the strategic marketing process in the dynamic aerospace/defense business environment. Strategic marketing decisions, analysis, and issues are integrated with the goal of achieving customer satisfaction to gain a sustainable competitive advantage within the aviation industry.

### **Innovation and Entrepreneurship in Aerospace & Defense**

*Credit Hours: 2*

This course introduces skills and techniques that enable the development of innovative and entrepreneurial strategies in aerospace and defense. We also evaluate approaches to developing an innovative, entrepreneurial culture in environments where science- and technology-related activities are critical for effective operations. The course will analyze the challenges posed by complex organizations and highlight methods to deal with them.

### **Lean Six Sigma Tools for Aerospace & Defense**

*Credit Hours: 2*

The course introduces the fundamental Lean Six Sigma concepts within a business organization. It covers the basic concepts within Six Sigma and Lean techniques, and introduces tools for measurement and process improvement metrics in organizations through the DMAIC process. The course has a strategic foundation in which we review the strategic use of techniques, ensuring a positive result upon implementation.

### **Advanced Financial Management in Aerospace & Defense**

*Credit Hours: 2*

This is a comprehensive course in corporate financial management and analysis. The course builds on the main concepts of the core Accounting course (EMAD 5302). The primary objective is to develop the skills necessary to value firms and optimize a corporation's capital structure in the Aerospace and Defense Industry using varying finance methods.

### **Mergers and Acquisitions in Aerospace and Defense**

*Credit Hours: 2*

This course studies the design and valuation of deals to acquire or divest corporate assets. We study M&A transactions, applying them to the aerospace and defense industry through case-based methods. We explore how the legal system, accounting rules, and tax incentives affect outcomes of M&A transactions. We analyze types of M&A transactions, their motivations, and their effects on corporate value.

### **Managing Aerospace & Defense Government Contracts**

*Credit Hours: 2*

This course introduces the procurement and contracting processes used in the aerospace and defense (A&D) industry. Students will gain an understanding of best practices from both government and industry perspectives, including subcontracting. The course will navigate the highly complex federal acquisition process including governance and operational roles. The course emphasizes government contracting but also discusses private sector contracting in A&D.

### **Data Management and Security in Aerospace & Defense**

*Credit Hours: 2*

Every organization is concerned with data management. Data must be stored effectively and securely so it can be retrieved to support decision making. These issues are particularly relevant for the A&D industry, an environment where extra measures must be taken in all aspects of security. The objective is to provide a basic understanding of data management and security.

### **Data Analytics for Aerospace & Defense**

*Credit Hours: 2*

Data analytics is becoming increasingly important for every industry, and it is especially important in the aerospace and defense (A&D) industry. The objective of this course is to provide a basic understanding of data analytics in A&D.

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## **WHY CHOOSE OU ONLINE FOR AN EMBA IN AEROSPACE AND DEFENSE**

OU Online delivers high-quality, affordable undergraduate and graduate programs designed for working professionals. With flexible, fully online formats and instruction from a top-tier public university, students gain the skills and credentials to advance their careers without putting them on hold.

Explore what it takes to succeed in the fast-paced world of aerospace and defense, where financial management, critical thinking and strategy development is vital in this innovation-driven sector.

## **FACULTY EXPERTISE**

The EMBA in Aerospace and Defense is built on the foundation of world-class University of Oklahoma faculty mixed with professors of practice providing valuable instruction. By linking industry experts with our online programs, we offer the most advanced curriculum and prepare students for future career success.

## **ROBUST STUDENT SUPPORT**

OU Online offers robust student support services, including academic support, online tutoring, mental health counseling, and an online career development center. The program accommodates the needs of working professionals, allowing you to expand your skills while

maintaining full-time employment.

## GLOBAL ALUMNI NETWORK

With more than 250,000 alumni across the world, becoming a Sooner means you'll have access to a strong network of aerospace and defense professionals to accelerate your career. As a Sooner, you'll be part of a powerful network of leaders working in organizations across the world, helping you expand your career in the aerospace and defense industry.

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## COST & FINANCIAL AID

Earning your EMBA in Aerospace and Defense is an investment in your future—and OU Online is committed to making that investment as accessible and transparent as possible.

Tuition and fees for the program are \$70,880 (\$2,215 per credit hour). Books and materials, as well as meals, hotel, and local transportation during the residency weeks, are included. Transportation to and from the residency weeks is not included in the program's cost. Accepted students must pay a non-refundable enrollment deposit of \$1,500. Deposits are applied toward tuition expenses and secure a student's place in the upcoming class. There is no application fee for this degree.

Financial aid, scholarships, and employer tuition assistance may be available to help offset the cost. Our dedicated financial services team is here to guide you through every step of the funding process—so you can focus on your education and career growth.

If you have questions regarding financial aid for your online program, please get in touch with the Online Aid office by emailing [onlineaid@ou.edu](mailto:onlineaid@ou.edu) or calling 405-325-2929.

A nonrefundable deposit of \$1,500 is required upon admission to secure your place in the program. This deposit guarantees your spot in your first semester of courses and will be applied toward your first semester's tuition.

*\* Please be aware that tuition and fees may change, as determined by the Oklahoma State Regents for Higher Education.*

**LEARN MORE ABOUT FINANCIAL AID: [HTTPS://ONLINE.OU.EDU/COST-AND-AID/GRADUATE/](https://online.ou.edu/cost-and-aid/graduate/)**

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## TAKE THE NEXT STEP

To apply to the hybrid Executive MBA in Aerospace and Defense, you must hold a bachelor's degree in any field from a regionally accredited college or university—or the international equivalent—with a minimum 3.0 cumulative GPA. At least two to five years of full-time work experience is required to maximize your success in the program.

## ADMISSIONS REQUIREMENTS

To apply for the hybrid Executive MBA in Aerospace and Defense program, students must:

- Complete the online application at <https://gograd.ou.edu/apply/>
- Submit a current resume or CV
- Personal Statement
- Provide official college transcripts from all institutions
- Work experience – recommend 2 to 5 years of full-time work experience
- Admissions interview (invitation only)

## APPLICATION TIMELINE

The admissions committee reviews applications on a rolling basis, with decisions typically issued within two weeks of receiving a completed application. Admissions remain open until two weeks prior to the start of classes, so early submission is encouraged to secure your place in the program.

### Application Deadlines:

- May 1 for the Fall semester starts
- November 1 for the Spring semester starts

A nonrefundable deposit of \$1,500 is required upon admission to secure your place in the program. This deposit guarantees your spot in your first semester of courses and will be applied toward your first semester's tuition.

#### STEP 1

Fill out the form above to connect with Michelle Brown, MBA Admissions & Recruiting, Aerospace & Defense, to discuss your qualifications and interest in the program.

#### STEP 2

Complete the online application at <https://gograd.ou.edu/apply/>

#### STEP 3

Provide supplemental materials, including a resume, personal statement, and all transcripts for any institution where you received a degree or received any graduate credit.

**TO APPLY: [HTTPS://GOGRAD.OU.EDU/APPLY/](https://gograd.ou.edu/apply/)**