Oklahoma State University

Master of Science in Aviation and Space

The Master of Science in Aviation and Space emphasizes management, leadership, legal, and regulatory issues, finance, current issues, and content regarding the space industry and related government programs and missions. Students participating in this program come from a variety of backgrounds including aviation, military, and government. The scope of this degree program is designed to prepare professional leaders for positions in the aerospace industry.

MISSION STATEMENT
The mission of Aviation and Space Program has three essential components:

• Cultivate exemplary graduate instruction through a professional atmosphere in which students learn, develop, promote integrity, and contribute to the broader aviation community.

• Engage in applied aerospace research and scholarly initiatives that benefit industry, general aviation, government, and the public.

• Provide leadership, expertise, and professional development opportunities for aerospace professionals and the aerospace industry, and to promote a greater understanding of aerospace among the general public.

STUDENT LEARNING OUTCOMES
1. MS graduate students will be able to analyze and evaluate scholarly information covering a broad spectrum of aerospace topics and present their findings and conclusions in well-ordered written and oral presentations that accurately assesses the meaningfulness of each topical area.

2. MS graduate students will select a special area of interest in aerospace, thoroughly investigate the current research in this area, and produce a research study (creative component) that adds to the body of knowledge.

ADMISSION REQUIREMENTS
Graduate College
1. Completed application form (available from the Graduate College web site).
2. Application fee (currently $40).
3. One copy of official, original transcripts from all college-level coursework.
4. Submit to: OSU, Graduate College, 202, Whitehurst Hall, Stillwater, OK 74078 gradcollege.okstate.edu; 405-744-6368

AVED Program
1. Statement of personal goals and objectives
2. Two letters of recommendation addressing the applicant’s abilities, interest, motivation, etc.
3. Copy of recent resume
4. Submit to: OSU – COE Graduate Records, 325V Willard Hall, Stillwater, OK 74078
coe.grad.studies@okstate.edu 405-744-9483
5. A minimum 3.0 GPA for undergraduate degree is required for unqualified admission.
   Students with grade point averages between 2.5 and 3.0 may be admitted on a
   probationary basis.

Application Deadline and Review Schedule*
   • July 1: For enrollment in Fall Semester
   • November 1: For enrollment in Spring Semester
   • April 1: For enrollment in Summer Semester
*Complete applications must be in the COE Graduate Records Office, 325V Willard, by these
dates.

Admission decisions are usually within six weeks of the application deadline. Admission
decisions are based on appropriate academic, scholarly, and research alliance among the
student, the faculty and the focus of the Master’s degree program. Available resources and
current enrollment within the MS program will play a significant role in the admission decision.
The AVED faculty will determine the number of graduate students that may be admitted at any
given time.

CURRICULUM
Coursework for the Master of Science in Aviation and Space will be offered every semester
(spring, summer and fall). All coursework will be offered 100% “online.”

The Master of Science in Aviation and Space degree program requires a completion of 33
student credit hours. In addition, all Master’s students must complete a Creative Component
for committee approval. The MS degree must be completed within seven years. Course work
older than 10 years will not be accepted. Upon approval, a student may transfer up to 9
graduate semester hours from accredited institutions that have not been applied toward a
previous degree.

OSU awards credit as recommended by the American Council on Education (ACE), as published
in “The Guide to the Evaluation of Military Experiences in the Armed Services,” for selected
educational experiences provided by the armed forces. OSU also accepts credit earned through
the DANTES Subject Standardized tests for active military personnel.

For further information, please contact the AVED Graduate Coordinator:

Dr. Timm Bliss, Professor
318 Willard Hall (OSU-Stillwater)
timm.bliss@okstate.edu
(405) 744-8062
Master of Science – Aviation and Space
“On-line”

SPRING SEMESTER
AVED 5563 – Aerospace Leadership & Management
AVED 5663 – Issues in the Airline/Aerospace Industry
AVED 5823 – Space Science
AVED 5893 – Aerospace Executive Decision Making

SUMMER SEMESTER
AVED 5453 – Advanced Aviation Security
AVED 5463 – Aerospace Risk Management
AVED 5883 – Aviation Economics
AVED 5963 – Airport Operations

FALL SEMESTER
AVED 5773 – Historical Significance of Aviation
AVED 5953 – Labor Relations in Aviation and Aerospace
AVED 5973 – Aerospace Law
AVED 5993 – Ethics in Aviation

Regarding the four courses that will be offered each semester, two courses will be offered the first 8-weeks of the semester and the other two courses will be offered the second 8-weeks of the semester.

RESEARCH CORE (offered every semester)
AVED 5053 – Guided Readings in Research
AVED 5153 – Capstone in Aerospace Research

All AVED graduate students will be required to take both of these 16-week (full semester) research courses. However, AVED 5053 must be taken first because it is the preparatory course for the Creative Component. AVED 5153 must be taken in the student’s last semester because it is the completion course for the Creative Component.