

Oklahoma State University
Doctor of Education in Applied Educational Studies
Specialization: Aviation & Space

The **Doctor of Education (EdD) in Applied Educational Studies with the Aviation & Space Specialization** emphasizes aviation leadership and executive development, administration of aviation institutions, aviation law, air carrier industry, international aviation issues, and applied aviation and space research. The Space portion emphasizes the development of air and space flight; the earth's air, land, and water systems; and the solar systems to include the sun, planets, and probes. The Aviation & Space Program seeks doctoral candidates with strong intellects, proper educational preparation, breadth and depth of Aviation & Space experiences and the capacity for disciplined investigations. The scope of this doctoral degree program is designed to prepare professional leaders for positions in the aviation/aerospace industry, as well as prepare future faculty members to instruct aviation/aerospace content within the higher education institution.

MISSION STATEMENT

The mission of Aviation & 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. EdD graduate students will be able to analyze and evaluate scholarly information covering a broad spectrum of aviation/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. EdD graduate students will select a special area of interest in aviation/aerospace, thoroughly investigate the current research in this area, and produce a well-researched and well-written doctoral dissertation that enriches to the body of knowledge within the aviation/aerospace environment.

ADMISSION REQUIREMENTS

Graduate College

1. Completed application form (available from the Graduate College website).
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. Copy of test scores (Millers Analogy Test or the Graduate Record Exam)
5. Submit to: OSU – COE Graduate Records, 325V Willard Hall, Stillwater, OK 74078
coe.grad.studies@okstate.edu 405-744-9483

*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 by these dates.*

Admission decisions are based on appropriate academic, scholarly, and research alliance among the student, the faculty and the focus of the EdD degree program. Available resources and current enrollment within the EdD 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 must be completed from each of the following categories (minimum hours required in parentheses) for a total of 60 hours. Not all class work is available at each institutional site (OSU-Stillwater campus, OSU-Tulsa campus, OSU-OKC campus); therefore, this degree might have a combination of campus and/or distance learning delivery.

Courses at the 5000 and 6000 level must make up at least 75 percent of the doctoral student's Plan of Study and must include ten hours, with a grade of "SR," for the doctoral dissertation. At least 21 hours must be completed at the graduate level (5000 or above). No Pass/Fail courses may be used. Credit for all courses on the Plan of Study must have been awarded within ten years of completion of all degree requirements. Upon approval, a doctoral student may transfer more than nine credit hours if the courses in question were housed in an academic department or program that offers an EdD or PhD 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.

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CORE REQUIREMENTS – 21 credit hours

AVED 6313 – Administration of Aviation Institutions

AVED 6413 – Development of Air & Space Flight

AVED 6613 – Aviation Executive Development

(Research Core)

AVED 6103 – Doctoral Seminar in Aerospace Education

AVED 6303 – Aviation & Space Safety Data Analysis

AVED 6773 – Applied Aviation & Space Research

Three additional research hours from HRAE, SCFD, or REMS

MAJOR EMPHASIS ELECTIVES – 29 credit hours

AVED 5103 – Aviation Career Development

AVED 5113 – Aviation Safety Program Development

AVED 5200 – Graduate Internship in Aviation & Space

AVED 5303 – Aviation and Space Quality Issues

AVED 5453 – Advanced Aviation Security

AVED 5543 – Advanced Communications in Aviation Organizations

AVED 5553 – Aerospace Proposal and Procurement

AVED 5573 – Aerospace Defense Acquisition

AVED 5593 – Influencing Public Policy in the Aerospace Industry

AVED 5673 – Aerospace Human Resource Management

AVED 5813 – Earth Observation Systems

AVED 5823 – Space Science

AVED 5873 – Aerospace Project and Program Management

AVED 5883 – Aviation Economics

AVED 5893 – Aerospace Executive Decision Making

AVED 5953 – Labor Relations in Aviation and Aerospace

AVED 5963 – Airport Operations

AVED 5973 – Aerospace Law

AVED 5993 – Ethics in Aviation

AVED 6883 – Doctoral Internship in Aviation & Space

DOCTORAL DISSERTATION – 10 credit hours

AVED 6000 – Doctoral Thesis

For further information, please contact the AVED Graduate Coordinator:

Dr. Timm Bliss, Associate Professor

318 Willard Hall (OSU-Stillwater)

timm.bliss@okstate.edu

(405) 744-8062