

**School of Educational Studies
Aviation and Space**

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The following table shows the assessment methods used and numbers of individuals assessed for the degree programs in Aviation and Space.

Degree Program(s) Assessed	Assessment Methods	Number of Individuals Assessed	
Aviation and Space I. BS II. MS III. Ed.D.	I. The BS is assessed by graduation checks.	BS	72
	II. The MS is assessed by the faculty reviewing the creative component.	MS	6
	III. The Ed.D. is assessed by looking at the comprehensive examinations and reviewing the responses of the students. Each student is given eight questions to answer over a two-day period.	Ed.D.	5

Analysis and Findings:

The following information demonstrates a breakdown of students in the various aviation degree options. This information was useful in determining the need or for more Aviation Management classes because of the high number of students graduating with this option.

Bachelor of Science in Aviation Science Degree

	Professional Pilot	Aviation Management	Technical Services	Total
Male	21	45	6	72

A total of 72 BS degrees were used for spring, summer and fall 2002 data.

MS - All MS students defended their creative components. Students demonstrated proficiency in their research design and objectives. The committee members for all students accepted the creative components.

Ed.D. - All the students passed the comprehensive examinations. No students had to rewrite questions.

Uses of Assessment Results:

A review of the needs of the aviation industry, recent Aviation graduates, advancements in technology, and program objectives demonstrated the need for changes in course curriculum. The following chart shows proposed revision for Aviation Education curriculum.

BS/MS - Aviation Education Curriculum

New Courses:	Courses Deleted:	Course Title Changes:
AVED 2513 Aviation Career Planning & Development AVED 3453 Aviation Security AVED 3433 Aviation Ethics AVED 3543 Aviation Organizational Communications (replaces BCOMM 3233) *AVED 4353 Cockpit Automation AVED 4663 Aviation Leadership *AVED 4963 Airport Design	AVED 1503 History of Manned Space Flight AVED 2203 Impact of Aviation and Space Exploration on Society AVED 2633 Air Traffic Control and the National Airspace System AVED 3441 Aerobatic Flight Lab AVED 3553 General Aviation Management (Combined with *AVED 4953 Corporate Aviation Management) New Title: *AVED 4953 Corporate and General Aviation Management *AVED 4213 Trends & Issues in Aviation Replaced by *AVED 4653 International Aviation Issues	*AVED 3443 Aviation Law to *AVED 3443 Aviation Legal & Regulatory Issues AVED 3513 Aviation Management to AVED 3513 Aviation Management Principles *AVED 3663 Air Transportation: The Industry to *AVED 3663 Air Carrier Industry <hr/> Course Title & Content Changes: *AVED 4953 Corporate Aviation Management to *AVED 4953 Corporate & General Aviation Management (<i>Combines AVED 3553 General Aviation Management with AVED 4953 Corporate Aviation Management</i>) <hr/> *Approved for Graduate Credit

MS - Creative Components need to be assigned to a more specific class. AVED faculty is currently reviewing the criteria for completion and submission of the Creative Component and determining if modification is necessary. The Aviation and Space Program Outcome Assessment Model is currently being revised to include the graduate programs.

Ed.D. - The comprehensive examinations brought out the knowledge of the students. The students were able to demonstrate the key concepts learned and mastered in the Ed.D. classes. At this time, no students are currently able to enroll in the Ed.D. Program.