AABInternational

	Purdue University
	Purdue Polytechnic Institute, School of Aviation & Transportation
	Bachelor of Science in Professional Flight Technology
	Bachelor of Science in Aviation Management
October 31, 2019	Compliance with AABI Policy 3.4.2
0000001 51, 2019	Compliance with AABI Policy 5.4.2

For each AABI-accredited program, AABI Policy 3.4.2 requires institutions to accurately publish on the program's public website, a report of student achievement data including the following information, updated annually:

- The objectives of each accredited program
- Program assessment measures employed
- Graduation rates
- Rates and types of employment of graduates

Purdue University's School of Aviation and Transportation Technology has two AABIaccredited programs:

- Bachelor of Science in Professional Flight Technology
- Bachelor of Science in Aviation Management

This document presents program objectives, assessment methods employed, graduation rates and rates and types of employment for each accredited degree program.

Mission Statements

Purdue University Mission Statement

Founded in 1869, Purdue has shared the land-grant ideal laid out under the 1862 Morrill Act of providing access to a liberal, practical education to the public. Purdue is a recognized member of the American Association of Universities (AAU), the Association of Public and Land-Grant Universities (APLU), and Universities Research Association (URA). Purdue has earned the Carnegie Foundation for the Advancement of Teaching Elective Community Engagement Classification. The Carnegie Foundation recognized Purdue for its dedication to engagement, through which the University uses its resources to improve the quality of life of Indiana citizens and people throughout the world. Purdue was recognized for engagement achievements in areas including economic development, P-12 education, community service and lifelong learning.

School and Program Mission Statements

The mission of the School of Aviation and Transportation Technology complements and strongly supports the missions of Purdue University in serving the citizens of the State of Indiana, the nation, and the world, through learning, discovery, and engagement activities. Specifically, the

School's mission statement is as follows:

• The mission of the School of Aviation and Transportation Technology is to prepare the next generation of leaders and change agents for the transportation sector.

Consistent with the mission of the School, the mission of the Professional Flight Technology program is as follows:

• The mission of the Professional Flight program is to prepare the next generation of professional pilots and leaders in flight operations.

Similarly, consistent with the mission of the School, the mission of the Aviation Management program is as follows:

• The mission of the Aviation Management program is to prepare the next generation of airline and airport executives.

Program Educational Objectives (PEOs)

Bachelor of Science in Professional Flight

The mission of the Professional Flight program is supported by the following five Program Educational Objectives:

- PEO 1 Effectively apply technical knowledge, problem-solving techniques, and hands-on skills in traditional and emerging technologies of flight operations.
- PEO 2 Be active and effective participants in on-going professional development, professional growth and increasing professional responsibility.
- PEO 3 Foster effective communication and networking with industry professionals in order to convey ideas to technical and non-technical individuals.
- PEO 4 Work effectively in teams to resolve open-ended problems.
- PEO 5 Work within the accepted standards of professionalism in a multi-cultural environment.

Bachelor of Science in Aviation Management

The mission of the Professional Flight program is supported by the following five Program Educational Objectives:

- PEO 1 -Effectively apply technical knowledge, problem-solving techniques, and handson skills in traditional and emerging areas of aviation management.
- PEO 2 -Be active and effective participants in ongoing professional development, professional growth, and increasing professional responsibility.
- PEO 3 -Effectively communicate ideas to technical and non-technical people.
- PEO 4 -Work effectively in teams.
- PEO 5 -Work within the accepted standards of professionalism.

Program Assessment Measures Employed

Introduction

The School of Aviation and Transportation Technology worked with the faculty teaching in the Professional Flight and Aviation Management programs, as well as Dr. Robert Herrick and Ms. Ada Uche (faculty and staff leaders at the Polytechnic level), who are Polytechnic-wide liaisons for the University's online assessment tracking system (TracDat, now known as Nuventive Improve) to develop the assessment plan by which the academic programs would be assessed. The need for a new assessment plan was driven by Purdue University's internal assessment needs and by feedback received from the Aviation Accreditation Board International's (AABI) site visit in October 2017. The School's academic program concentrations in Professional Flight and Aviation Management have been accredited by AABI, but after the 2017 Self-study, the School acknowledged that it had the opportunity to leverage the University-wide adoption of Nuventive Improve system and thereby improve its assessment and continuous improvement process as well as prepare for the Higher Learning Commission's (institutional regional accreditor) visit in 2019. The School's academic program assessment plan utilizes the AABI student learning outcomes as the metrics against which the two AABI-accredited academic programs are to be assessed.

This assessment plan requires the School to meet at least twice per year to assess the B.S. in Professional Flight and B.S. in Aviation Management programs. The School faculty collects direct and indirect measures of evidence developed in program courses to show the level of student achievement in determining how well students meet the student learning outcomes.

The School's faculty met to discuss the evidence and assess the student achievement of the program's student learning outcomes on 10/05/17, 10/10/17, 10/12/17, and 10/17/17. Additionally, as part of the assessment process, the School developed a "Graduating Senior Exit Survey." The need for program revisions, if any, are noted. Once the TracDat/Nuventive Improve system is operational, all these data will be transferred to the new online system.

For all AABI student learning outcomes being assessed, the School discussed the level at which students should be considered as having "exceeded expectations." The consensus arrived at was to set a goal of 85% of the students performing at the "meets expectations" level or better. The School will determine if any programmatic changes are required to enable the remaining 15% of students to improve their performance. The School will determine what, if any, programmatic changes are necessary to increase the possibility of more students achieving at the set goal.

The direct and indirect measures developed in courses were assessed to show student achievement in the program's student learning outcomes. The artifacts collected to assess student learning outcomes were assessed on a scale of 0 to 4, with 0 equal to "does not meet expectations," 1 equal to "needs improvement," 2 equal to "meets expectations," 3 equal to "exceeds expectations," and 4 equal to "greatly exceeds expectations." This assessment report and all suggested program improvements identified by the assessment, will be provided to the School stakeholders, including students and the School's Industry Advisory Board, and the School faculty and staff.

Adequacy and Relevance of PEOs

The process for evaluating the adequacy and relevance of the current Professional Flight Program Educational Objectives utilizes data collected from:

- 1. The Purdue Center for Career Opportunity (CCO) *telephone surveys* regarding employment and salary for May PRO FLT graduates;
- 2. Input from the PRO FLT Industrial Advisory Board;
- 3. Results of *Qualtrics surveys* of PRO FLT seniors, recent PRO FLT program graduates, SATT faculty members, and known PRO FLT employers.

Similarly, the process for evaluating the adequacy and relevance of the current Aviation Management Program Educational Objectives utilizes data collected from:

- 1. The Purdue Center for Career Opportunity (CCO) *telephone surveys* regarding employment and salary for May AVIA MGMT graduates;
- 2. Input from the AVIA MGMT Industrial Advisory Board;
- 3. Results of *Qualtrics surveys* of PRO FLT seniors, recent AVIA MGMT program graduates, SATT faculty members, and known AVIA MGMT employers.

Student Learning Outcomes

There are 11 Purdue Program Outcomes and 11 AABI General Learning Outcomes. Table 1 presents the cross-mapping of these two sets of outcomes for the B.S. in Professional Flight program and Table 2 presents a similar mapping for the B.S. in Aviation Management program.). A scan of Table 1 and Table 2 reveals that all Purdue Program Outcomes as well as AABI General Outcomes are addressed through various courses across the respective curriculum. Also, all the outcomes are addressed in multiple courses. When the same outcome is addressed in multiple courses, the specific tools and techniques used to assess these outcomes vary and so do the proficiency levels.

In October 2017, the School Head met individually with three faculty members teaching in the undergraduate programs. Two faculty members taught required courses in the core curriculum and one taught required courses in the Professional Flight program. One of the faculty members teaching required core courses also taught two required courses in the Aviation Management program. The School Head discussed the overall program assessment process and reviewed with the faculty the mapping of program level learning outcomes with specific course content, evaluation measures, student performance in Spring 2017 semester, and any changes that might be necessary in the future. A series of one-on-one meetings allowed for effective use of faculty members' time as well as in-depth discussion of the assessment process.

October 10, 2017: Meeting with Professor Thomas Carney (Professional Flight) AABI General Student Learning Outcomes Discussed: a, b, d, g, h, i, j Courses Discussed: AT 32500 Advanced Aviation Meteorology AT 32700 Advanced Transport Flight Operations

October 12, 2017: Meeting with Professor Michael Nolan (Aviation Management) AABI General Student Learning Outcomes Discussed: b, c, e, f, g, h, i, j Courses Discussed: AT 10000 Introduction to Aviation Technology AT 25200 Aviation Projects AT 36200 Aviation Operations

October 17, 2017: Meeting with Professor Brian Dillman (Professional Flight) AABI General Student Learning Outcomes Discussed: Courses Discussed: AT 14400 Private Pilot Lectures AT 49800/49501 Aviation Technology Capstone

B.S. in Professional Flight	AABI General Outcomes										
	Apply knowledge of mathematics, science and applied sciences to aviation related disciplines	Analyze and interpret data	Work effectively on multidisciplinary projects	Make professional and ethical decisions	Communicate effectively, using both written and oral communication skills	Engage in and recognize the need for lifelong learning	Assess contemporary issues	Use the techniques, skills, and modern technology necessary for professional practice	Asses the national and international aviation environment	Apply pertinent knowledge in identifying and solving problems	Apply knowledge of business sustainability to aviation business
Purdue Program Outcomes	a.	b.	ં	d.	e.	f.	àc	h.	. .:	·. 	k.
A. Is an aviation professional with a thorough understanding of professional certification and career management				Х		Х	Х	Х	Х		
B. Demonstrates a broad-based knowledge of the aviation industry as an integrated transportation system							Х		Х	X	Х
C. Demonstrates an understanding of aviation safety and human factors	Х	Х						Х		X	
D. Demonstrates and understanding of aircraft performance and design, systems, operations, and maintenance	Х	Х	Х	Х		Х	Х	Х	Х	X	
E. Demonstrates knowledge of safe operations within the international airport, airspace and air traffic management system			X		Х		Х	Х	Х	Х	Х
F. Demonstrates an understanding of national and international law, regulation and labor issues			Х	Х	Х	Х	Х	Х	Х		Х
G. Demonstrates an understanding of meteorology and environmental issues	Х	Х		Х			Х	Х		X	Х
H. Demonstrates the ability to think clearly and analytically		Х			Х					Х	
I. Demonstrates effective skills in communication, leadership and organization			Х	Х	Х			Х			
J. Is prepared to compete in a number of flight-related occupational areas within the aerospace industry	Х	Х	Х	Х	Х	Х	Х	Х	Х	X	Х
K. May be eligible for appropriate levels of Federal Aviation Administration certification	Х			Х				Х	Х	Х	

Table 1. Cross-mapping of Purdue program outcomes and AABI general outcomes for the B.S. in Professional Flight program

B.S. in Aviation Management	AABI General Outcomes										
	 a. Apply knowledge of mathematics, science and applied sciences to aviation related disciplines 	b. Analyze and interpret data	 Work effectively on multidisciplinary projects 	d. Make professional and ethical decisions	Communicate effectively, using both written and oral communication skills	f. Engage in and recognize the need for lifelong learning	g. Assess contemporary issues	 h. Use the techniques, skills, and modern technology necessary for professional practice 	Asses the national and international aviation environment	Apply pertinent knowledge in identifying and solving problems	k. Apply knowledge of business sustainability to aviation business
Purdue Program Outcomes	а.	p.	С	d.	e.	f.	60	h	i.	· ··	k
A. Is an aviation professional with a thorough understanding of professional certification and career management				Х		Х	Х	Х	X		
B. Demonstrates a broad-based knowledge of the aviation industry as an integrated transportation system							Х		Х	Х	Х
C. Demonstrates an understanding of aviation safety and human factors	Х	Х						Х		Х	
D. Demonstrates and understanding of aircraft performance and design, systems, operations, and maintenance	Х	Х	Х	Х		Х	Х	X	Х	Х	
E. Demonstrates knowledge of safe operations within the international airport, airspace and air traffic management system			X		Х		X	Х	Х	X	X
F. Demonstrates an understanding of national and international law, regulation and labor issues			Х	Х	Х	X	Х	X	Х		X
G. Demonstrates an understanding of meteorology and environmental issues	Х	Х					Х				X
H. Demonstrates the ability to think clearly and analytically		Х			Х					Х	
I. Demonstrates effective skills in communication, leadership and organization			X	Х	Х			X			
J. Is prepared to compete in a number of management- related occupational areas within the aerospace industry	Х	Х	Х	Х	Х	Х	Х	X	Х	Х	Х
K. May be eligible for appropriate levels of Federal Aviation Administration certification	Х			Х				Х	Х	Х	

Table 2. Cross-mapping of Purdue program) outcomes and AABI general outcom	nes for the B.S. in Aviation Management program	n
i dole 2. cross mapping of i didde program	1 outcomes and 1 millingeneral outcom	nes for the D.S. mirit fution management program	

AABI Student		
Learning Outcome	Evaluation Method	Feedback Loop
A. Apply mathematics, science, and applied sciences to aviation related disciplines	 Data from the following courses will be used to assess if the undergraduate programs fulfill this student learning outcome: AT 32500 Aviation Meteorology AT 32700 Adv. Transport Flt. Ops Direct Measures: The student learning outcome will be assessed using data from: 1. Multiple-choice final exam scores related to the application of mathematics, science, and applied sciences to aviation related disciplines for each student will be obtained from the AT 32500 course. 2. Multiple-choice midterm exam scores related to the application of mathematics, science, and applied sciences to aviation related to the application of mathematics, science, and applied sciences to aviation related to the application of mathematics, science, and applied sciences to aviation 	The assessment results will be analyzed once per year by the School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of applying mathematics, science, and applied science to aviation disciplines. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the School faculty at least once per year to allow for appropriate implementation. Reviews of the impact of any such program changes will be conducted at least once per year
	related disciplines for each student will be obtained from the AT 32700 course Indirect Measures: 1. End-of course student surveys.	and the records of these reviews will be maintained by the School.
B. Analyze and interpret data	Data from the following courses will be used to assess if the undergraduate programs fulfill this student learning outcome: AT 32500 Aviation Meteorology AT 32700 Adv. Transport Flt. Ops	The assessment results will be analyzed once per year by the School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of analyzing and
	 Direct Measures: The student learning outcome will be assessed using data from: 1. Multiple-choice final exam scores related to analysis and interpretation of data for each student will be obtained from the AT 32500 course. 	interpreting data. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the School faculty at least once per year to allow for appropriate implementation.
	 Multiple-choice final midterm scores related to analysis and interpretation of data for each student will be obtained from the AT 32700 course. Indirect Measures: End-of course student surveys. 	Reviews of the impact of any such program changes will be conducted at least once per year and the records of these reviews will be maintained by the School.

Outcomes, evaluation methods and feedback loop for the B.S. in Professional Flight program

AABI Student		
Learning Outcome	Evaluation Method	Feedback Loop
C. Work	The following courses will be used to	The assessment results will be
effectively on	assess if the undergraduate programs fulfill	analyzed once per year by the
multi-	this student learning outcome:	department faculty through the use
disciplinary		of a rubric applied to the student
and diverse	AT 49800 AT Capstone	data obtained from the courses
teams	AT 22300 Human Factors for Flight Crews	listed to determine whether the students are capable working
	Direct Measures:	effectively on multi- disciplinary
	The student learning outcome will be	and diverse teams.
	assessed using data from:	
		Recommendations for curriculum
	The results of a student group project and the	pedagogy and/or assessment
	senior design presentation and poster project	revisions will be made by the
	(monitored by the course instructor and other	department faculty at least once per
	faculty members) will be obtained from the AT	year to allow for appropriate
	49800 course.	implementation.
	The final results of three case studies and	Reviews of the impact of any
	associated presentations (monitored by the	such program changes will be
	course instructor and additional faculty	conducted at least once per year
	members) will be obtained from the AT 22300	and the records of these reviews
	course.	will be maintained by the
	Indirect Measures:	department.
	1. End-of course student surveys.	
	 Assessment by external evaluators. 	
D. Make	Data from the following courses will be used to	The assessment results will be
professional	assess if the undergraduate programs fulfill this	analyzed once per year by the
and ethical	student learning outcome:	School faculty through the use of a
decisions	AT 32500 Aviation Meteorology	rubric applied to the student data obtained from the courses listed to
	AT 32700 Adv. Transport Flt. Ops	determine whether the students are
	All 52700 Adv. Hansport I.d. Ops	capable of making professional
	Direct Measures:	and ethical decisions.
	The student learning outcome will be	
	assessed using data from:	Recommendations for curriculum
		pedagogy and/or assessment
	1. Multiple-choice final exam scores related	revisions will be made by the
	to professionalism and ethical decision-	School faculty at least once per year to allow for appropriate
	making for each student will be obtained from the AT 32500 course.	implementation.
	from the AT 32500 course.	implementation.
	2. Multiple-choice final exam scores related to	Reviews of the impact of any
	professionalism and ethical decision-making	such program changes will be
	for each student will be obtained from the	conducted at least once per year
	AT 32700 course	and the records of these reviews
		will be maintained by the School.
	Indirect Measures:	
	1. End-of course student surveys.	
	·	

AABI Student		
Learning Outcome	Evaluation Method	Feedback Loop
E. Communicate effectively, using both written and oral communication skills	The following courses will be used to assess if the undergraduate programs fulfill this student learning outcome: AT 49800 AT Capstone AT 22300 Human Factors for Flight Crews Direct Measures : The student learning outcome will be	The assessment results will be analyzed once per year by the department faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of communicating effectively, using both written and oral communication skills.
	assessed using data from: The results of a student group project and the senior capstone presentation and poster project (monitored by the course instructor and other faculty members) will be obtained from the AT 49800 course. The final results of three case studies and associated presentations (monitored by the course instructor and additional faculty	Recommendations for curriculum pedagogy and/or assessment revisions will be made by the department faculty at least once per year to allow for appropriate implementation. Reviews of the impact of any such program changes will be
	course instructor and additional faculty members) will be obtained from AT 22300. Indirect Measures: 1. End-of course student surveys.	conducted at least once per year and the records of these reviews will be maintained by the department.
E. Encoco in and	The fellowing courses will be used to	The assessment results will be
F. Engage in and recognize the need for life- long learning	The following courses will be used to assess if the undergraduate programs fulfill this student learning outcome: AT 10000 Introduction to Aviation Tech AT 14400 Private Pilot Lectures AT 24900 Instrument Pilot Lectures AT 25400 Commercial Pilot Lectures AT 47500 Aviation Law	analyzed once per year by the department faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of engaging in and recognizing the need for life- long learning.
	 Direct Measures: The student learning outcome will be assessed using data from: The results of embedded questions in quizzes, tests and the final exam and of the student group presentations will be obtained from the AT 10000, AT 144000, AT 24900, and AT 25400 courses. The results of legal case studies will include discussion about the significant of lifelong learning (monitored by the course instructor and other faculty members) will be obtained from the AT 47500 course. 	Recommendations for curriculum pedagogy and/or assessment revisions will be made by the department faculty at least once per year to allow for appropriate implementation. Reviews of the impact of any such program changes will be conducted at least once per year and the records of these reviews will be maintained by the department.
	Indirect Measures: 1. End-of course student surveys.	

AABI Student		
	Evaluation Method	Feedback Loop
G. Assess contemporary issues	 Data from the following courses will be used to assess if the undergraduate programs fulfill this student learning outcome: AT 32700 Adv. Transport Flt. Ops AT 47500 Aviation Law Direct Measures: The student learning outcome will be assessed using data from: Multiple-choice final exam scores related to assessment of contemporary issues for each student will be obtained from the AT 32700 course. 	Feedback LoopThe assessment results will be analyzed once per year by the School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of assessing contemporary issues.Recommendations for curriculum pedagogy and/or assessment revisions will be made by the
	Legal case studies will focus on contemporary issues in aviation. The results of legal case study reports will include analysis of contemporary issues and their significance to the future of aviation. These data will be obtained from the AT 47500 course. Indirect Measures: 1. End-of course student surveys.	Reviews of the impact of any such program changes will be conducted at least once per year and the records of these reviews will be maintained by the School.
H. Use the	Data from the following courses will be used to	The assessment results will be
techniques, skills, and modern technology necessary for professional practice	 Data from the following courses will be used to assess if the undergraduate programs fulfill this student learning outcome: AT 32500 Aviation Meteorology AT 32700 Adv. Transport Flt. Ops Direct Measures: The student learning outcome will be assessed using data from: 1. Multiple-choice final exam scores related to use of techniques, skills, and modern technology necessary for professional 	analyzed once per year by the School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of using the techniques, skills, and modern technology necessary for professional practice. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the School faculty at least once per
	 practice for each student will be obtained from the AT 32500 course. 2. Multiple-choice final exam scores related to use of techniques, skills, and modern technology necessary for professional practice for each student will be obtained from the AT 32700 course Indirect Measures: End-of course student surveys. 	year to allow for appropriate implementation. Reviews of the impact of any such program changes will be conducted at least once per year and the records of these reviews will be maintained by the School.

AABI Student		
Learning Outcome	Evaluation Method	Feedback Loop
I. Assess the national and international aviation environment	Data from the following courses will be used to assess if the undergraduate programs fulfill this student learning outcome: AT 32700 Adv. Transport Flt. Ops Direct Measures : The student learning outcome will be assessed using data from:	The assessment results will be analyzed once per year by the School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of assessing the national and international aviation environment.
	 Multiple-choice final exam scores related to the assessment of national and international aviation environment for each student will be obtained from the AT 32700 course. 	Recommendations for curriculum pedagogy and/or assessment revisions will be made by the School faculty at least once per year to allow for appropriate implementation.
	Indirect Measures: 1. End-of course student surveys.	Reviews of the impact of any such program changes will be conducted at least once per year and the records of these reviews will be maintained by the School.
J. Apply pertinent knowledge in identifying and solving problems	 Data from the following courses will be used to assess if the undergraduate programs fulfill this student learning outcome: AT 32500 Aviation Meteorology AT 32700 Adv. Transport Flt. Ops Direct Measures: The student learning outcome will be assessed using data from: Multiple-choice final exam scores related to the application of pertinent knowledge in identifying and solving problems for each student will be obtained from the AT 32500 course. Multiple-choice final exam scores related to the application of pertinent knowledge in identifying and solving problems for each student will be obtained from the AT 32500 course. Multiple-choice final exam scores related to the application of pertinent knowledge in identifying and solving problems for each student will be obtained from the AT 32700 course. Multiple-choice final exam scores related to the application of pertinent knowledge in identifying and solving problems for each student will be obtained from the AT 32700 course. End-of course student surveys. 	The assessment results will be analyzed once per year by the School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of applying pertinent knowledge in identifying and solving problems. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the School faculty at least once per year to allow for appropriate implementation. Reviews of the impact of any such program changes will be conducted at least once per year and the records of these reviews will be maintained by the School.

AABI Student		
Learning Outcome	Evaluation Method	Feedback Loop
K. Apply knowledge of business sustainability to aviation issues.	The following course will be used to assess if the undergraduate programs fulfill this student learning outcome: AT 203 Aviation Operations Management Direct Measures : The student learning outcome will be assessed using data from:	The assessment results will be analyzed once per year by the department faculty through the use of a rubric applied to the student data obtained from the course listed to determine whether the students are capable of applying knowledge of business sustainability to aviation issues.
	The final results of the airline simulation project and associated class presentations (monitored by the course instructor and additional faculty members) will be obtained from the AT 20300 course.	Recommendations for curriculum pedagogy and/or assessment revisions will be made by the department faculty at least once per year to allow for appropriate implementation.
	Indirect Measures: 1. End-of course student surveys.	Reviews of the impact of any such program changes will be conducted at least once per year and the records of these reviews will be maintained by the department.

B.S. in Professional Flight

Student Learning Outcome Matrix

		Student Learning Outcomes									
Undergraduate Courses B.S. in Professional Flight	Apply mathematics, science, and applied sciences to aviation related disciplines	Analyze and interpret data	Work effectively on multi- disciplinary and diverse teams	Make professional and ethical decisions	Communicate effectively, using both written and oral communication skills	Engage in and recognize the need for life-life learning	Asses contemporary issues	Use the techniques, skills and modern technology necessary for professional practice	Assess the national and international aviation environment	Apply pertinent knowledge in identifying and solving problems	Apply knowledge of business sustainability to aviation issues
AT 10000 Introduction to Aviation Technology	¥.	ä	<u>じ</u>	D.	н	ri V	ч.	H.	i	ŗ	K.
AT 10000 Introduction to Aviation Technology AT 10200 Aviation Business						Х					X
AT 10200 Aviation Busiless AT 10300 Aerospace Vehicle Propulsion											Λ
AT 14400 Private Pilot Lectures						X					
AT 20200 Aerospace Vehicle Systems Design						Δ					
AT 20300 Aviation Operations Management											X
AT 22300 Human Factors for Flight Crews			X		X						Δ
AT 24900 Instrument Flight Lectures						Х					
AT 25400 Commercial Flight Lectures						X					
AT 32500 Advanced Aviation Meteorology	X	X		Х				X		X	
AT 32700 Advanced Transport Flight Operations	X	X		X			Х	X	X	X	
AT 38800 Large Aircraft Systems		~ * *	X	<u> </u>			X	1		X	
AT 47500 Aviation Law						Х	X				
AT 49800 AT Capstone			Х		Х	~~					

Outcomes, evaluation methods and feedback loop for the B.S. in Aviation Management program

Learning Outcome Evaluation Method Feedback Loop A. Apply mathematics, science, and applied sciences to aviation related disciplines Data from the following courses will be used to assess if the undergraduate programs fulfill this student learning outcome: The assessment results will be assessed using data from: Direct Measures: The student learning outcome will be assessed using data from: Recommendation for curriculum pedagogy and/or assessment revisions will be made by the School faculty at least once per year to allow for applied science to aviation related disciplines for each student will be obtained from the AT 14200 course. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the School faculty at least once per year to allow for appropriate implementation. B. Analyze and interpret data Data from the following courses will be used to assess if the undergraduate programs fulfill this student learning outcome: The assessment results will be assessed using data from: B. Analyze and interpret data Data from the following courses will be used to assess if the undergraduate programs fulfill this student learning outcome: The assessment results will be analyzed once per year by the School faculty through the use of a rubic applied of analyzing and interpreting data. B. Analyze and interpret data Data from the following courses will be used to analysis and interpretation of data for: cach student will be obtained from the AT 10300 course. The assessment results will be analyzed once per year by the School faculty through the use of a rubic applied of analyzing and	AABI Student		
A. Apply Data from the following courses will be used to assess if the undergraduate programs fulfill this sudent learning outcome: The assessment results will be analyzed once per year by the School faculty through the use of a rubric applied to the student data obtained from the courses listed to aviation Finance AT 14400 Private Pilot Lectures AT 14400 Private Pilot Lectures AT 14400 Private Pilot Lectures The student learning outcome will be assessed using data from: 1. Multiple-choice final exam scores related to the application of mathematics, science, and applied sciences to aviation related disciplines for each student will be obtained from the AT 14400 course. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the School faculty at least once per year to alphe of applying mathematics, science, and applied sciences to aviation related disciplines for each student will be obtained from the AT 14400 course. 2. Multiple-choice midterm exam scores related to the application of mathematics, science, and applied sciences to aviation related disciplines for each student will be obtained from the AT 14200 course Reviews of the impact of any such program changes will be conducted at least once per year and the records of these reviews will be matinained by the School. B. Analyze and interpret data Data from the following courses will be uased to assessed using data from: The assessment results will be analyzed once per year by the School faculty through the use of a rubric applied to the students are capable of analyzing and interpreting data. B. Analyze and interpretstion of data fore assesseed using data from: The		Evaluation Method	Feedback Loop
obtained from the AT 14400 course.implementation.2. Multiple-choice midterm exam scores related to the application of mathematics, science, and applied sciences to aviation related disciplines for each student will be obtained from the AT 41200 courseReviews of the impact of any such program changes will be conducted at least once per year and the records of these reviews will be maintained by the School.B. Analyze and interpret dataData from the following courses will be used to assess if the undergraduate programs fulfill this student learning outcome:The assessment results will be analyzed once per year by the School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of analyzing and interpreting data. Direct Measures: The student learning outcome will be assessed using data from:Recommendations for curriculum pedagogy and/or assessment revisions will be made by the School faculty at least once per year to allow for appropriate implementation.2. Multiple-choice final midterm scores related to analysis and interpretation of data for each student will be obtained from the AT 10300 course.Reviews of the impact of any such program changes will be conducted at least once per year to allow for appropriate implementation.2. Multiple-choice final midterm scores related to analysis and interpretation of data for each student will be obtained from the AT 12100 course.Reviews of the impact of any such program changes will be conducted at least once per year and the records of these reviews will be maintained by the School.	A. Apply mathematics, science, and applied sciences to aviation related	 Data from the following courses will be used to assess if the undergraduate programs fulfill this student learning outcome: AT 14400 Private Pilot Lectures AT 41200 Aviation Finance Direct Measures: The student learning outcome will be assessed using data from: 1. Multiple-choice final exam scores related to the application of mathematics, science, and applied sciences to aviation 	The assessment results will be analyzed once per year by the School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of applying mathematics, science, and applied science to aviation disciplines. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the School faculty at least once per year
interpret dataassess if the undergraduate programs fulfill this student learning outcome:analyzed once per year by the School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of analyzing and interpreting data.Direct Measures: The student learning outcome will be assessed using data from:Recommendations for curriculum pedagogy and/or assessment revisions will be made by the School faculty at least once per year to allow for appropriate implementation.1.Multiple-choice final midterm scores related to analysis and interpretation of data for each student will be obtained from the AT 10300 course.Reviews of the impact of any such program changes will be conducted at least once per year and the records of these reviews will be maintained by the School.		 related disciplines for each student will be obtained from the AT 14400 course. 2. Multiple-choice midterm exam scores related to the application of mathematics, science, and applied sciences to aviation related disciplines for each student will be obtained from the AT 41200 course Indirect Measures: 	implementation. Reviews of the impact of any such program changes will be conducted at least once per year and the records of these reviews
		 assess if the undergraduate programs fulfill this student learning outcome: AT 10300 Aerospace Vehicle Propulsion AT 42100 Managerial Economics in Aviation Direct Measures: The student learning outcome will be assessed using data from: Multiple-choice final exam scores related to analysis and interpretation of data for each student will be obtained from the AT 10300 course. Multiple-choice final midterm scores related to analysis and interpretation of data for each student will be obtained from the AT 10300 course. Indirect Measures: 	 analyzed once per year by the School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of analyzing and interpreting data. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the School faculty at least once per year to allow for appropriate implementation. Reviews of the impact of any such program changes will be conducted at least once per year and the records of these reviews
		1. End-of course student surveys.	

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Learning Outcome	Evaluation Method	Feedback Loop
C. Work	The following courses will be used to	The assessment results will be
effectively on	assess if the undergraduate programs fulfill	analyzed once per year by the
multi-	this student learning outcome:	department faculty through the use
disciplinary		of a rubric applied to the student
and diverse	AT 25200 Aviation Projects	data obtained from the courses
teams	AT 49501 AT Capstone	listed to determine whether the
	Direct Measures:	students are capable working
	The student learning outcome will be	effectively on multi- disciplinary and diverse teams.
	assessed using data from:	and diverse teams.
	assessed using data nom.	Recommendations for curriculum
	1. The results of a student group project	pedagogy and/or assessment
	related to contemporary problems in the	revisions will be made by the
	aviation industry will be obtained from the	department faculty at least once per
	AT 25200 course	year to allow for appropriate
		implementation.
	2. The results of a student group project and	
	the senior design presentation and poster	Reviews of the impact of any
	project (monitored by the course instructor	such program changes will be
	and other faculty members) will be	conducted at least once per year
	obtained from the AT 49501 course.	and the records of these reviews
	In diment Management	will be maintained by the
	Indirect Measures: 1. End-of course student surveys.	department.
	 Assessment by external evaluators. 	
D. Make	Data from the following courses will be used to	The assessment results will be
····· C····· 1		
professional	assess if the undergraduate programs fulfill this	analyzed once per year by the
and ethical	assess if the undergraduate programs fulfill this student learning outcome:	analyzed once per year by the School faculty through the use of a
	student learning outcome:	School faculty through the use of a rubric applied to the student data
and ethical	student learning outcome: AT 25200 Aviation Projects	School faculty through the use of a rubric applied to the student data obtained from the courses listed to
and ethical	student learning outcome:	School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are
and ethical	student learning outcome: AT 25200 Aviation Projects AT 48100 Aviation Law	School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of making professional
and ethical	student learning outcome: AT 25200 Aviation Projects AT 48100 Aviation Law Direct Measures :	School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are
and ethical	student learning outcome: AT 25200 Aviation Projects AT 48100 Aviation Law Direct Measures : The student learning outcome will be	School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of making professional and ethical decisions.
and ethical	student learning outcome: AT 25200 Aviation Projects AT 48100 Aviation Law Direct Measures :	School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of making professional and ethical decisions. Recommendations for curriculum
and ethical	 student learning outcome: AT 25200 Aviation Projects AT 48100 Aviation Law Direct Measures: The student learning outcome will be assessed using data from: 	School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of making professional and ethical decisions. Recommendations for curriculum pedagogy and/or assessment
and ethical	 student learning outcome: AT 25200 Aviation Projects AT 48100 Aviation Law Direct Measures: The student learning outcome will be assessed using data from: 1. Multiple-choice final exam scores related 	School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of making professional and ethical decisions. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the
and ethical	 student learning outcome: AT 25200 Aviation Projects AT 48100 Aviation Law Direct Measures: The student learning outcome will be assessed using data from: 1. Multiple-choice final exam scores related to professionalism and ethical decision- 	School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of making professional and ethical decisions. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the School faculty at least once per
and ethical	 student learning outcome: AT 25200 Aviation Projects AT 48100 Aviation Law Direct Measures: The student learning outcome will be assessed using data from: 1. Multiple-choice final exam scores related to professionalism and ethical decisionmaking for each student will be obtained 	School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of making professional and ethical decisions. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the School faculty at least once per year to allow for appropriate
and ethical	 student learning outcome: AT 25200 Aviation Projects AT 48100 Aviation Law Direct Measures: The student learning outcome will be assessed using data from: 1. Multiple-choice final exam scores related to professionalism and ethical decision- 	School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of making professional and ethical decisions. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the School faculty at least once per
and ethical	 student learning outcome: AT 25200 Aviation Projects AT 48100 Aviation Law Direct Measures: The student learning outcome will be assessed using data from: 1. Multiple-choice final exam scores related to professionalism and ethical decisionmaking for each student will be obtained 	School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of making professional and ethical decisions. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the School faculty at least once per year to allow for appropriate
and ethical	 student learning outcome: AT 25200 Aviation Projects AT 48100 Aviation Law Direct Measures: The student learning outcome will be assessed using data from: 1. Multiple-choice final exam scores related to professionalism and ethical decisionmaking for each student will be obtained from the AT 25200 course. 	School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of making professional and ethical decisions. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the School faculty at least once per year to allow for appropriate implementation. Reviews of the impact of any such program changes will be
and ethical	 student learning outcome: AT 25200 Aviation Projects AT 48100 Aviation Law Direct Measures: The student learning outcome will be assessed using data from: 1. Multiple-choice final exam scores related to professionalism and ethical decisionmaking for each student will be obtained from the AT 25200 course. 2. Multiple-choice final exam scores related to professionalism and ethical decisionmaking for each student will be obtained from the AT 25200 course. 	School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of making professional and ethical decisions. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the School faculty at least once per year to allow for appropriate implementation. Reviews of the impact of any such program changes will be conducted at least once per year
and ethical	 student learning outcome: AT 25200 Aviation Projects AT 48100 Aviation Law Direct Measures: The student learning outcome will be assessed using data from: 1. Multiple-choice final exam scores related to professionalism and ethical decisionmaking for each student will be obtained from the AT 25200 course. 2. Multiple-choice final exam scores related to professionalism and ethical decisionmaking for each student will be obtained from the AT 25200 course. 	School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of making professional and ethical decisions. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the School faculty at least once per year to allow for appropriate implementation. Reviews of the impact of any such program changes will be conducted at least once per year and the records of these reviews
and ethical	 student learning outcome: AT 25200 Aviation Projects AT 48100 Aviation Law Direct Measures: The student learning outcome will be assessed using data from: 1. Multiple-choice final exam scores related to professionalism and ethical decisionmaking for each student will be obtained from the AT 25200 course. 2. Multiple-choice final exam scores related to professionalism and ethical decisionmaking for each student will be obtained from the AT 25200 course. 	School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of making professional and ethical decisions. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the School faculty at least once per year to allow for appropriate implementation. Reviews of the impact of any such program changes will be conducted at least once per year
and ethical	 student learning outcome: AT 25200 Aviation Projects AT 48100 Aviation Law Direct Measures: The student learning outcome will be assessed using data from: 1. Multiple-choice final exam scores related to professionalism and ethical decisionmaking for each student will be obtained from the AT 25200 course. 2. Multiple-choice final exam scores related to professionalism and ethical decisionmaking for each student will be obtained from the AT 25200 course. 2. Multiple-choice final exam scores related to professionalism and ethical decisionmaking for each student will be obtained from the AT 48100 course 	School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of making professional and ethical decisions. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the School faculty at least once per year to allow for appropriate implementation. Reviews of the impact of any such program changes will be conducted at least once per year and the records of these reviews
and ethical	 student learning outcome: AT 25200 Aviation Projects AT 48100 Aviation Law Direct Measures: The student learning outcome will be assessed using data from: 1. Multiple-choice final exam scores related to professionalism and ethical decision- making for each student will be obtained from the AT 25200 course. 2. Multiple-choice final exam scores related to professionalism and ethical decision-making for each student will be obtained from the AT 48100 course Indirect Measures: 	School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of making professional and ethical decisions. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the School faculty at least once per year to allow for appropriate implementation. Reviews of the impact of any such program changes will be conducted at least once per year and the records of these reviews
and ethical	 student learning outcome: AT 25200 Aviation Projects AT 48100 Aviation Law Direct Measures: The student learning outcome will be assessed using data from: 1. Multiple-choice final exam scores related to professionalism and ethical decisionmaking for each student will be obtained from the AT 25200 course. 2. Multiple-choice final exam scores related to professionalism and ethical decisionmaking for each student will be obtained from the AT 25200 course. 2. Multiple-choice final exam scores related to professionalism and ethical decisionmaking for each student will be obtained from the AT 48100 course 	School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of making professional and ethical decisions. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the School faculty at least once per year to allow for appropriate implementation. Reviews of the impact of any such program changes will be conducted at least once per year and the records of these reviews

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Learning Outcome	Evaluation Method	Feedback Loop
E. Communicate	The following courses will be used to	The assessment results will be
effectively,	assess if the undergraduate programs fulfill	analyzed once per year by the
using both	this student learning outcome:	department faculty through the use
written and		of a rubric applied to the student
oral	AT 25200 Aviation Projects	data obtained from the courses
communication skills	AT 49501 AT Capstone	listed to determine whether the
SKIIIS	Direct Measures:	students are capable of communicating effectively, using
	The student learning outcome will be	both written and oral
	assessed using data from:	communication skills.
	ussessed using data nom.	
	1. The results of a student group project and	Recommendations for curriculum
	presentations (monitored by the course	pedagogy and/or assessment
	instructor and other faculty members) will	revisions will be made by the
	be obtained from the AT 22300 course.	department faculty at least once per
		year to allow for appropriate
	2. The final results of the student group	implementation.
	project, presentation, and poster (monitored by the course instructor and additional	Reviews of the impact of any
	faculty members) will be obtained from AT	such program changes will be
	49501.	conducted at least once per year
	19301.	and the records of these reviews
	Indirect Measures:	will be maintained by the
	1. End-of course student surveys.	department.
F. Engage in and	The following courses will be used to	The assessment results will be
recognize the	assess if the undergraduate programs fulfill	analyzed once per year by the
	this student learning outcomes	
need for life-	this student learning outcome:	department faculty through the use
		department faculty through the use of a rubric applied to the student
need for life-	AT 10000 Introduction to Aviation Tech	department faculty through the use
need for life-		department faculty through the use of a rubric applied to the student data obtained from the courses
need for life-	AT 10000 Introduction to Aviation Tech AT 14400 Private Pilot Lectures	department faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of engaging in and recognizing the need for life-
need for life-	AT 10000 Introduction to Aviation Tech AT 14400 Private Pilot Lectures AT 47500 Aviation Law Direct Measures :	department faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of engaging in
need for life-	AT 10000 Introduction to Aviation Tech AT 14400 Private Pilot Lectures AT 47500 Aviation Law Direct Measures : The student learning outcome will be	department faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of engaging in and recognizing the need for life- long learning.
need for life-	AT 10000 Introduction to Aviation Tech AT 14400 Private Pilot Lectures AT 47500 Aviation Law Direct Measures :	department faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of engaging in and recognizing the need for life- long learning. Recommendations for curriculum
need for life-	AT 10000 Introduction to Aviation Tech AT 14400 Private Pilot Lectures AT 47500 Aviation Law Direct Measures: The student learning outcome will be assessed using data from:	department faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of engaging in and recognizing the need for life- long learning. Recommendations for curriculum pedagogy and/or assessment
need for life-	 AT 10000 Introduction to Aviation Tech AT 14400 Private Pilot Lectures AT 47500 Aviation Law Direct Measures: The student learning outcome will be assessed using data from: 1. The results of embedded questions in 	 department faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of engaging in and recognizing the need for life- long learning. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the
need for life-	 AT 10000 Introduction to Aviation Tech AT 14400 Private Pilot Lectures AT 47500 Aviation Law Direct Measures: The student learning outcome will be assessed using data from: 1. The results of embedded questions in quizzes, tests and the final exam and of 	 department faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of engaging in and recognizing the need for life- long learning. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the department faculty at least once per
need for life-	 AT 10000 Introduction to Aviation Tech AT 14400 Private Pilot Lectures AT 47500 Aviation Law Direct Measures: The student learning outcome will be assessed using data from: 1. The results of embedded questions in quizzes, tests and the final exam and of the student group presentations will be 	 department faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of engaging in and recognizing the need for life- long learning. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the department faculty at least once per year to allow for appropriate
need for life-	 AT 10000 Introduction to Aviation Tech AT 14400 Private Pilot Lectures AT 47500 Aviation Law Direct Measures: The student learning outcome will be assessed using data from: 1. The results of embedded questions in quizzes, tests and the final exam and of 	 department faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of engaging in and recognizing the need for life- long learning. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the department faculty at least once per
need for life-	 AT 10000 Introduction to Aviation Tech AT 14400 Private Pilot Lectures AT 47500 Aviation Law Direct Measures: The student learning outcome will be assessed using data from: 1. The results of embedded questions in quizzes, tests and the final exam and of the student group presentations will be obtained from the AT 10000, AT 144000, and AT 25400 courses. 	 department faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of engaging in and recognizing the need for life- long learning. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the department faculty at least once per year to allow for appropriate implementation. Reviews of the impact of any
need for life-	 AT 10000 Introduction to Aviation Tech AT 14400 Private Pilot Lectures AT 47500 Aviation Law Direct Measures: The student learning outcome will be assessed using data from: 1. The results of embedded questions in quizzes, tests and the final exam and of the student group presentations will be obtained from the AT 10000, AT 144000, and AT 25400 courses. 2. The results of legal case studies will 	 department faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of engaging in and recognizing the need for life- long learning. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the department faculty at least once per year to allow for appropriate implementation. Reviews of the impact of any such program changes will be
need for life-	 AT 10000 Introduction to Aviation Tech AT 14400 Private Pilot Lectures AT 47500 Aviation Law Direct Measures: The student learning outcome will be assessed using data from: 1. The results of embedded questions in quizzes, tests and the final exam and of the student group presentations will be obtained from the AT 10000, AT 144000, and AT 25400 courses. 2. The results of legal case studies will include discussion about the significant of 	 department faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of engaging in and recognizing the need for life- long learning. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the department faculty at least once per year to allow for appropriate implementation. Reviews of the impact of any such program changes will be conducted at least once per year
need for life-	 AT 10000 Introduction to Aviation Tech AT 14400 Private Pilot Lectures AT 47500 Aviation Law Direct Measures: The student learning outcome will be assessed using data from: 1. The results of embedded questions in quizzes, tests and the final exam and of the student group presentations will be obtained from the AT 10000, AT 144000, and AT 25400 courses. 2. The results of legal case studies will include discussion about the significant of lifelong learning (monitored by the course 	 department faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of engaging in and recognizing the need for life- long learning. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the department faculty at least once per year to allow for appropriate implementation. Reviews of the impact of any such program changes will be conducted at least once per year and the records of these reviews
need for life-	 AT 10000 Introduction to Aviation Tech AT 14400 Private Pilot Lectures AT 47500 Aviation Law Direct Measures: The student learning outcome will be assessed using data from: 1. The results of embedded questions in quizzes, tests and the final exam and of the student group presentations will be obtained from the AT 10000, AT 144000, and AT 25400 courses. 2. The results of legal case studies will include discussion about the significant of lifelong learning (monitored by the course instructor and other faculty members) will 	 department faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of engaging in and recognizing the need for life- long learning. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the department faculty at least once per year to allow for appropriate implementation. Reviews of the impact of any such program changes will be conducted at least once per year and the records of these reviews will be maintained by the
need for life-	 AT 10000 Introduction to Aviation Tech AT 14400 Private Pilot Lectures AT 47500 Aviation Law Direct Measures: The student learning outcome will be assessed using data from: 1. The results of embedded questions in quizzes, tests and the final exam and of the student group presentations will be obtained from the AT 10000, AT 144000, and AT 25400 courses. 2. The results of legal case studies will include discussion about the significant of lifelong learning (monitored by the course 	 department faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of engaging in and recognizing the need for life- long learning. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the department faculty at least once per year to allow for appropriate implementation. Reviews of the impact of any such program changes will be conducted at least once per year and the records of these reviews
need for life-	 AT 10000 Introduction to Aviation Tech AT 14400 Private Pilot Lectures AT 47500 Aviation Law Direct Measures: The student learning outcome will be assessed using data from: 1. The results of embedded questions in quizzes, tests and the final exam and of the student group presentations will be obtained from the AT 10000, AT 144000, and AT 25400 courses. 2. The results of legal case studies will include discussion about the significant of lifelong learning (monitored by the course instructor and other faculty members) will 	 department faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of engaging in and recognizing the need for life- long learning. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the department faculty at least once per year to allow for appropriate implementation. Reviews of the impact of any such program changes will be conducted at least once per year and the records of these reviews will be maintained by the
need for life-	 AT 10000 Introduction to Aviation Tech AT 14400 Private Pilot Lectures AT 47500 Aviation Law Direct Measures: The student learning outcome will be assessed using data from: 1. The results of embedded questions in quizzes, tests and the final exam and of the student group presentations will be obtained from the AT 10000, AT 144000, and AT 25400 courses. 2. The results of legal case studies will include discussion about the significant of lifelong learning (monitored by the course instructor and other faculty members) will be obtained from the AT 47500 course. 	 department faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of engaging in and recognizing the need for life- long learning. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the department faculty at least once per year to allow for appropriate implementation. Reviews of the impact of any such program changes will be conducted at least once per year and the records of these reviews will be maintained by the

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Learning Outcome	Evaluation Method	Feedback Loop
G. Assess contemporary issues	 Data from the following courses will be used to assess if the undergraduate programs fulfill this student learning outcome: AT 41200 Aviation Finance AT 42100 Managerial Economics in Aviation AT 47500 Aviation Law Direct Measures: The student learning outcome will be assessed using data from: 1. Multiple-choice final exam scores related to assessment of contemporary issues for each student will be obtained from the AT 41200 and AT 42100 courses. 2. Legal case studies will focus on 	The assessment results will be analyzed once per year by the School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of assessing contemporary issues. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the School faculty at least once per year to allow for appropriate implementation. Reviews of the impact of any such program changes will be
	 contemporary issues in aviation. The results of legal case study reports will include analysis of contemporary issues and their significance to the future of aviation. These data will be obtained from the AT 47500 course. Indirect Measures: End-of course student surveys. 	conducted at least once per year and the records of these reviews will be maintained by the School.
H. Use the	Data from the following courses will be used to	The assessment results will be
techniques, skills, and modern technology necessary for professional practice	AT 25200 Aviation Projects AT 48100 Aviation Safety Problems AT 49501 AT Capstone	analyzed once per year by the School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of using the techniques, skills, and modern technology
1	Direct Measures:	necessary for professional practice.
	The student learning outcome will be assessed using data from:	Recommendations for curriculum pedagogy and/or assessment
	 Multiple-choice final exam scores related to use of techniques, skills, and modern technology necessary for professional practice for each student will be obtained from the AT 25200 and AT 481 courses. 	revisions will be made by the School faculty at least once per year to allow for appropriate implementation. Reviews of the impact of any
	2. Artifacts in terms of Powerpoint presentations, posters, and papers will demonstrate the use of techniques, skills, and modern technology necessary for professional practice for each student will be obtained from the AT 49501 course	such program changes will be conducted at least once per year and the records of these reviews will be maintained by the School.

	Indirect Measures:	
	3. End-of course student surveys.	
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	Evaluation Method	Faadbaalt Loop
Learning Outcome I. Assess the	Data from the following courses will be used to	Feedback Loop The assessment results will be
national and international aviation environment	 Data from the following courses will be used to assess if the undergraduate programs fulfill this student learning outcome: AT 25200 Aviation Projects AT 41200 Aviation Finance Direct Measures: The student learning outcome will be assessed using data from: 1. Multiple-choice final exam scores related to the assessment of national and international aviation environment for each student will be obtained from the AT 25200 and AT 41200 courses. 	 analyzed once per year by the School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of assessing the national and international aviation environment. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the School faculty at least once per year to allow for appropriate implementation.
	Indirect Measures: 1. End-of course student surveys.	Reviews of the impact of any such program changes will be conducted at least once per year and the records of these reviews will be maintained by the School.
J. Apply pertinent knowledge in identifying and solving problems	 Data from the following courses will be used to assess if the undergraduate programs fulfill this student learning outcome: AT 25200 Aviation Projects AT 48100 Aviation Safety Problems Direct Measures: The student learning outcome will be assessed using data from: 1. Multiple-choice final exam scores related to the application of pertinent knowledge in identifying and solving problems for each student will be obtained from the AT 25200 course. 2. Multiple-choice final exam scores related to the application of pertinent knowledge in identifying and solving problems for each student will be obtained from the AT 25200 course. 	The assessment results will be analyzed once per year by the School faculty through the use of a rubric applied to the student data obtained from the courses listed to determine whether the students are capable of applying pertinent knowledge in identifying and solving problems. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the School faculty at least once per year to allow for appropriate implementation. Reviews of the impact of any such program changes will be conducted at least once per year and the records of these reviews will be maintained by the School.
	Indirect Measures:	
	4. End-of course student surveys.	

AABI Student		
Learning Outcome	Evaluation Method	Feedback Loop
K. Apply knowledge of business sustainability to aviation issues.	 The following course will be used to assess if the undergraduate programs fulfill this student learning outcome: AT 10200 Aviation Business AT 20300 Aviation Operations Management AT 36200 Aviation Operations Direct Measures: The student learning outcome will be assessed using data from: 1. Multiple-choice final exam scores related to the application of pertinent knowledge in identifying and solving problems for each student will be obtained from the AT 10200 and AT 36200 courses. 2. The final results of the airline simulation project and associated class presentations (monitored by the course instructor and additional faculty members) will be obtained from the AT 20300 course. Indirect Measures: 1. End-of course student surveys. 	The assessment results will be analyzed once per year by the department faculty through the use of a rubric applied to the student data obtained from the course listed to determine whether the students are capable of applying knowledge of business sustainability to aviation issues. Recommendations for curriculum pedagogy and/or assessment revisions will be made by the department faculty at least once per year to allow for appropriate implementation. Reviews of the impact of any such program changes will be conducted at least once per year and the records of these reviews will be maintained by the department.

B.S. in Aviation Management

Student Learning Outcome Matrix

		Student Learning Outcomes									
Undergraduate Courses B.S. in Aviation Management	Apply mathematics, science, and applied sciences to aviation related disciplines	Analyze and interpret data	Work effectively on multi- disciplinary and diverse teams	Make professional and ethical decisions	Communicate effectively, using both written and oral communication skills	Engage in and recognize the need for life-life learning	Asses contemporary issues	Use the techniques, skills and modern technology necessary for professional practice	Assess the national and international aviation environment	Apply pertinent knowledge in identifying and solving problems	Apply knowledge of business sustainability to aviation issues
	A.	ä	ಲ	Ū.	ы	н	ಲ	H.	H	г.	K.
AT 10000 Introduction to Aviation Technology						X					
AT 10200 Aviation Business											Х
AT 10300 Aerospace Vehicle Propulsion		Х									
AT 14400 Private Pilot Lectures	Х					X					
AT 20200 Aerospace Vehicle Systems Design		Х									
AT 20300 Aviation Operations Management		Х									Х
AT 25200 Aviation Projects			Х	Х	Х			Х	Х	Х	
AT 36200 Aviation Operations		Х	Х					T	X		Х
AT 41200 Aviation Finance	Х	Х					X				
AT 42100 Managerial Economics in Aviation	Х	X					X	T			
AT 47500 Aviation Law				X		Х	X	T			
AT 48100 Aviation Safety Problems				X				Х		Х	
AT 49501 AT Capstone			Х		X			Х			

Graduation Rates

			or i roressiona				-		
AY 2012-13	AY 201	3-14	AY 2014-15	AY 2015-1	6 AY 2	016-17	AY	2017-18	AY 2018-19
43	43		39	41		37		55	61
			fessional Flight Technology	t G	Graduation Ra				
				4-Year	5-Year	· 6-Y	lear		
			2009	62.5%	78.6%	82	.1%		
			2010	58.9%	78.4%	78	.6%		
			2011	57.7%	75.0%	80	.8%		
			2012	75.0%	83.9%	83	.9%		
			2013	54.0%	74.0%	80	.0%		
			2014	64.5%	79.0%			_	
			2015	82.1%					

Number of Professional Flight Technology Degrees Granted

Number of Aviation Management Degrees Granted

AY 2012-13	AY 2013-14	AY 2014-15	AY 2015-16	AY 2016-17	AY 2017-18	AY 2018-19
49	36	54	48	37	34	41

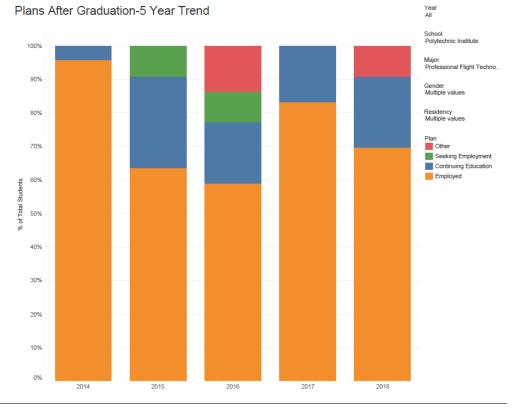
Aviation Management	Gra	Graduation Rate				
	4-Year	5-Year	6-Year			
2009	46.9%	65.6%	65.6%			
2010	55.6%	70.4%	70.4%			
2011	42.4%	57.6%	66.7%			
2012	63.0%	77.8%	85.2%			
2013	73.7%	84.2%	84.2%			
2014	75.0%	85.0%				
2015	61.5%		_			

Average Salary (Professional Pilot)

2013 - \$36,988	
2014 - \$40,695	
2015 - \$37,724	
2016 - \$40,378	
2017 - \$34,555	

2018 - \$50,555 Places of Employment (Professional Pilot)

Endeavor Air
U.S. Air Force
Great Plains Enterprises
Cardinal Wings Aviation
Republic Airlines
SkyWest Airlines
United Airlines
Frontier Airlines
Orange County Flight Center



Average Salary (Aviation Management)

	2013 - \$40,620	
	2014 - \$35,465	
	2015 - \$37,916	
	2016 - \$47,390	
	2017 - \$46,000	
	2018 - \$36,133	
Places of Empl	oyment (Aviation I	Management)

T'way A	Air
United (Ground Express
United S	States Cold Storage, Inc.
Bloomi	ngton-Norman Airport Authority
United S	States Military Academy
JetBlue	Airways Corporation
Republi	c Airlines

Plans After Graduation-5 Year Trend

