

## Program-Level Assessment Plan

Note: Each cell in the table below will expand as needed to accommodate your responses.

#	Student Learning Outcomes What do the program faculty expect all students to know or be able to do as a result of completing this program? Note: These should be measurable and manageable in number (typically 4-6 are sufficient).	Curriculum Mapping In which courses will faculty intentionally work to foster some level of student development toward achievement of the outcome? Please clarify the level at which student development is expected in each course (e.g., introduced, developed, reinforced, achieved, etc.).	Assessment Methods	
			Artifacts of Student Learning (What) 1. What artifacts of student learning will be used to determine if students have achieved this outcome? 2. In which courses will these artifacts be collected?	Evaluation Process (How) 1. What process will be used to evaluate the artifacts, and by whom? 2. What tool(s) (e.g., a rubric) will be used in the process? Note: Please include any rubrics as part of the submitted plan documents.
1	SLO 1: Conduct aviation operations in a professional, safe, and efficient manner.	ASCI 1300 Aviation Weather; Introduced ASCI 1850 Safety Management System Module 7 Final Stage Check Module 8 Knowledge Exam Module 8 Final Stage Check Module 9 Knowledge Exam Module 9 Final Stage Check Module 10 Knowledge Exam	1. Faculty of the department will meet at the conclusion of the fall and spring semesters to evaluate the artifacts. 2. The faculty will evaluate all courses noted by the curriculum mapping section using a rubric for each course. The faculty will use a rubric to determine if Student Learning Outcome 1 has been met.	A course related to S4.35catu A Lear o Assessment

Module 10 Final Stage Check

		<p>Laboratory; Achieved                  FSCI 1150 Flight 1; Introduced                  FSCI 1250 Basic Flight Foundations; Introduced                  FSCI 1550 Flight 2; Introduced                  FSCI 1560 Flight 2 Transition Introduced                  FSCI 2150 Flight 3; Reinforced                  FSCI 2250 Instrument Flight Foundations; Reinforced                  FSCI 2550 Flight 4; Achieved                  FSCI 2650 Navigation Foundations; Achieved                  FSCI 3550 Flight 5; Achieved                  FSCI 3700 Principles of Flight Instruction; Achieved                  FSCI 3750 Flight 6; Achieved</p>	<p>2. Courses from which artifacts are to be collected:                  ASCI 3070 Flight Crew Fundamentals                  ASCI 4012 Introduction to Flight Crew Operations                  ASCI 4013 Introduction to Flight Crew Operations Laboratory                  ASCI 4022 Advanced Flight Crew Operations                  ASCI 4023 Advanced Flight Crew Operations Laboratory                  FSCI 2250 Instrument Flight Foundations                  FSCI 2550 Flight 4                  FSCI 2650 Navigation Foundations                  FSCI 3550 Flight 5</p>	
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2 SLO 2: Describe historical trends, current issues, and emerging opportunities in aviation.3 (v)o4350 T

		<p>ASCI 4023 Advanced Flight Crew Operations Laboratory; Achieved</p> <p>ASCI 4350 Team Resource Management; Achieved</p>	<p>Management</p>	<p>rubric used to determine if Student Learning Outcome 3 has been met are found in Appendix A of this assessment plan.</p>
4	<p>SLO 4: Articulate the value of integrity, lifelong learning, and building diverse teams in serving and leading others.</p>	<p>ASCI 1010 Professional Orientation; Introduced</p> <p>ASCI 4050 Human Factors; Developed</p> <p>ASCI 4350 Team Resource Management; Achieved</p>	<p>1. Artifacts used: Final exam Group presentation</p> <p>2. Courses from which artifacts are to be collected:  ASCI 4050 Human Factors  ASCI 4350 Team Resource Management</p>	<p>1. Faculty of the department will meet at the conclusion of the fall and spring semesters to evaluate the artifacts.</p> <p>2. The faculty will evaluate all courses noted by the curriculum mapping section using a rubric for each course.  The faculty will use a rubric to determine if Student Learning Outcome 4 has been met.</p> <p>All course rubrics used, and the rubric used to determine if Student Learning Outcome 4 has been met are found in Appendix A of this assessment plan.</p>
5	<p>SLO 5: An ability to apply the techniques, skills, and modern aviation tools to perform aviation related tasks of a professional pilot.</p>	<p>ASCI 1300 Aviation Weather; Introduced</p> <p>ASCI 1850 Safety Management Systems; Introduced</p> <p>ASCI 3010 Jet Transport Systems I; Developed</p> <p>ASCI 3020 Jet Transport Systems II; Developed</p> <p>ASCI 3070 Fight Crew Fundamentals; Developed</p> <p>ASCI 3100 Air Carrier Operations; Reinforced</p> <p>ASCI 4012 Introduction to Flight Crew Operations; Reinforced</p> <p>ASCI 4013 Introduction to Flight Crew Operations Laboratory; Reinforced</p> <p>ASCI 4022 Advanced Flight Crew Operations; Achieved</p> <p>ASCI 4023 Advanced Flight Crew Operations Laboratory; Achieved</p> <p>FSCI 1150 Flight 1; Introduced</p> <p>FSCI 1250 Basic Flight Foundations;</p>	<p>1. Artifacts used: Final exam Final Presentation Loft Scenarios Selected quiz/exam questions Module 7 Knowledge Exam Module 7 Final Stage Check Module 8 Knowledge Exam Module 8 Final Stage Check Module 9 Knowledge Exam Module 9 Final Stage Check Module 10 Knowledge Exam Module 10 Final Stage Check</p> <p>2. Courses from which artifacts are to be collected:  ASCI 4012 Introduction to Flight Crew Operations ASCI 4013 Introduction to Flight Crew Operations Laboratory ASCI 4022 Advanced Flight Crew Operations</p>	<p>1. Faculty of the department will meet at the conclusion of the fall and spring semesters to evaluate the artifacts.</p> <p>2. The faculty will evaluate all courses noted by the curriculum mapping section using a rubric for each course.  The faculty will use a rubric to determine if Student Learning Outcome 5 has been met.</p> <p>All course rubrics used, and the rubric used to determine if Student Learning Outcome 5 has been met are found in Appendix A of this assessment plan.</p>

Introduced

FSCI 1550 Flight 2; Introduced

FSCI 1560 Flight 2 Transition Introduced

FSCI 2150 Flight 3; Reinforced

FSCI 2250 Instrument Flight Foundations;  
Reinforced

FSCI 2550 Flight 4; Achieved

FSCI 2650 Navigation Foundations; Achieved

FSCI 3550 Flight 5; Achieved

FSCI 3700 Principles of Flight Instruction;  
Achieved







## Assessment of B.S. in Aeronautics – Flight Science Student Learning Outcomes

**Student Learning Outcome #2: Describe historical trends, current issues, and emerging opportunities in aviation.**

Date of this assessment:

The following assessment is based on coursework of students and surveys of graduates.

<b>Performance Indicator Assessed</b>	<b>Do not Meet</b>	<b>Meet</b>
Students and graduates assess contemporary issues in aviation.		
Students and graduates analyze and interpret data.		
Students and graduates assess the national and international aviation environment.		
Students and graduates apply pertinent aviation knowledge in identifying and solving problems.		



## Assessment of B.S. in Aeronautics – Flight Science Student Learning Outcomes

**Student Learning Outcome #3: Apply effective oral and written communication skills to function effectively in the aviation environment.**

Date of this assessment:

The following assessment is based on coursework of students and surveys of graduates.

<b>Performance Indicator Assessed</b>	<b>Do not Meet</b>	<b>Meet</b>
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## Assessment of B.S. in Aeronautics – Flight Science Student Learning Outcomes

**Student Learning Outcome #4: Articulate the value of integrity, lifelong learning, and building diverse teams in serving and leading others.**

Date of this assessment:

The following assessment is based on coursework of students and surveys of graduates.

<b>Performance Indicator Assessed</b>	<b>Do not Meet</b>	<b>Meet</b>
Students and graduates defend and articulate a societal problem, design a cause of action, and communicate the results to others.		



## B.S. in Aeronautics – Flight Science Course Performance Indicator Rubric

**Student Learning Outcome #1 - Conduct aviation operations in a professional, safe, and efficient manner.**

Course: \_\_\_\_\_

Course Instructor: \_\_\_\_\_

Semester Taught: \_\_\_\_\_

Number of Students in Course: \_\_\_\_\_

Student Learning Outcome Assessed	Assessment Results: (Indicate what % of class achieved a minimum 80%)	Benchmark achieved? (Benchmark: 80% of students will score a minimum of 80% = "C")
Students and graduates make professional and ethical decisions.		
Students and graduates apply pertinent knowledge in identifying and solving problems.		
Students and graduates assess contemporary issues.		
Students and graduates apply business knowledge to aviation issues.		

**Course Assessment (Intended Use of Results)**

The following will be used for recommendations to improve the quality of course delivery based on assessment results. These recommendations may include prerequisite change; changing course outline and adding more topics; adding a third assessment; changing the course sequence, etc.

*\*Attach description of assignment used for assessment and samples of student work.*



## B.S. in Aeronautics – Flight Science Course Performance Indicator Rubric

**Student Learning Outcome #3 - Apply effective oral and written communication skills to function effectively in the aviation environment.**

Course: \_\_\_\_\_

Course Instructor: \_\_\_\_\_

Semester Taught: \_\_\_\_\_

Number of Students in Course: \_\_\_\_\_

**Student Learning Outcome  
Assessed**

**Assessment Resu4.04 143.1613-4.3 (en (e:))-4.3 Tc 0 Tw 3.48 0 se**

## B.S. in Aeronautics – Flight Science Course Performance Indicator Rubric

**Student Learning Outcome #4 - Articulate the value of integrity, lifelong learning, and building diverse teams in serving and leading others.**

Course: \_\_\_\_\_

Course Instructor: \_\_\_\_\_

Semester Taught: \_\_\_\_\_

Number of Students in Course: \_\_\_\_\_

Student Learning Outcome Assessed	Assessment Results: (Indicate what % of class achieved a minimum 80%)	Benchmark achieved? (Benchmark: 80% of students will score a minimum of 80% = “C”)
Students and graduates defend and articulate a societal problem, design a cause of action, and communicate the results to others.		
Students and graduates recognize the value of life-long learning and use their education and training to actively engage in life-long learning.		
Students and graduates demonstrate the ability to work effectively in diverse teams and groups.		

**Course Assessment (Intended Use of Results)**

The following will be used for recommendations to improve the quality of course delivery based on assessment results. These recommendations may include prerequisite change; changing course outline and adding more topics; adding a third assessment; changing the course sequence, etc.

*\*Attach description of assignment used for assessment and samples of student work.*

## B.S. in Aeronautics – Flight Science Course Performance Indicator Rubric

**Student Learning Outcome #5 - Apply knowledge of business principles in aviation-related areas.**

Course: \_\_\_\_\_

Course Instructor: \_\_\_\_\_

Semester Taught: \_\_\_\_\_

Number of Students in Course: \_\_\_\_\_

Student Learning Outcome Assessed	Assessment Results: (Indicate what % of class achieved a minimum 80%)	Benchmark achieved? (Benchmark: 80% of students will score a minimum of 80% = “C”)
Students and graduates understand the technical and legal aspects of flight and aircraft systems and operations and demonstrate the application of this knowledge.		
Students and graduates possess the ability to use the techniques, skills, and modern technology required for professional practice		
Students and graduates have obtained the FAA Commercial Pilot Certificate with Single-, Multi-Engine ratings, and the Instrument rating.		

### Course Assessment (Intended Use of Results)

The following will be used for recommendations to improve the quality of course delivery based on assessment results. These recommendations may include prerequisite change; changing course outline and adding more topics; adding a third assessment; changing the course sequence, etc.

*\*Attach description of assignment used for assessment and samples of student work.*



**Aviation Accreditation Board International (AABI) – Flight Science**

<b>Objective</b>	<b>Measurable Goals</b>	<b>Timelines</b>	<b>Metrics</b>	<b>Responsibilities</b>	<b>Evidence (how collected, archived, and analyzed)</b>	<b>Use of</b>
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<b>Objective</b>	
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Department of Aviation Science – B.S. in Aeronautics; Concentration in FLSC Assessment Plan– June 2022

Recruit and retain qualified staff with industry credentials where required.

An assessment to determine the adequacy of the staff will be completed annually.

The next assessment is due February 2022.

A list of all staff appointments will be maintained showing any/all industry credentials where required.

The *Workday* Team Performance annual evaluation report used by the University will be prepared and discussed by the Department Chair or the appropriate supervisor and the staff person.

The *Workday* Team Performance report will indicate goals for the staff person to achieve during the next evaluation period.

Department Chair.

Administrative Staff at the Center for Aviation  
*Workday*



Objective	Measurable Goals	Timelines	Metrics	Responsibilities	Evidence (how collected, archived, and analyzed)	Use of Assessment Results
<p>Aviation Safety Culture and Program</p>	<p>Conduct a Center for Aviation Science Safety Culture Survey at the end of each academic year.</p>	<p>An assessment of the aviation safety culture and program will be completed annually.</p> <p>The next assessment is due May 2022.</p>	<p>A Safety Culture report will be used to assess whether the department's students, staff and faculty have a general knowledge of the Safety Program and Culture.</p>	<p>Safety Advisor.</p> <p>Safety Committee.</p>	<p>All required reports, Safety Advisories, Safety Newsletters, recordings of Safety Standdown events, and minutes of safety committee meetings will be used to assess the goals.</p> <p>All evidence collected will be saved in an electronic format by the safety committee and the department.</p>	<p>Thpar[k]-2 (s)-2JT*W  </p>





**Assessment of AABI Section 3.1 – 3.9 Baccalaureate Degree Requirements**

<b>AABI Goals</b>	<b>Performance Indicator Assessed</b>	<b>Meets</b>	<b>Does Not</b>
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	Admission requirements for the aviation programs are adequate to meet the requirements of the concentration.				
Student Learning Outcomes	Students are adequately prepared for a career in the student's chosen profession.				

Curriculum

The curriculum prepares the students to conduct aviation operations in a safe and efficient manner.

Department of Aviation Science – B.S. in Aeronautics; Concentration in FLSC





## **AABI 3.10 Criteria: Student Learning Outcomes**

### **(Flight Science Concentration)**

Date of this assessment:

Do the Student Learning Outcomes s of the Flight Science concentration meet the Student Learning Outcomes criteria?

### **Closing the Loop:**

Were any changes recommended at the last assessment of the Student Learning Outcomes criteria.

State the purpose of the recommended change and whether the change met its intended purpose.

As a result of today's assessment of the Student Learning Outcomes criteria,

## **AABI 3.10 Criteria: Curriculum**

### **(Flight Science Concentration)**

Date of this assessment:

Does the Curriculum of the Flight Science concentration meet the Curriculum



## **AABI 3.10 Criteria: Faculty and Staff**

### **(Flight Science Concentration)**

Date of this assessment:

Do the Faculty and Staff of the Flight Science concentration meet the Faculty and Staff criteria as listed in the Comprehensive Assessment Plan?

### **Closing the Loop:**

Were any changes recommended at the last assessment of the Faculty and Staff criteria.

State the purpose of the recommended change and whether the change met its intended purpose.

As a result of today's assessment of the Faculty and Staff criteria, are any changes recommended at this time? List any recommended change(s) to be assessed at the next assessment of the Faculty and Staff criteria.

## **AABI 3.10 Criteria: Facilities, Equipment and Services**

### **(Flight Science Concentration)**

Date of this assessment:

Do the Facilities, Equipment and Services in the Flight Science concentration meet the Facilities, Equipment and Services criteria as listed in the Comprehensive Assessment Plan?

### **Closing the Loop:**

Were any changes recommended at the last assessment of the Facilities, Equipment and Services criteria.

State the purpose of the recommended change and whether the change met its intended purpose.

As a result of today's assessment of the Facilities, Equipment and Services



## **AABI 3.10 Criteria: Relations with Industry**

### **(Flight Science Concentration)**

Date of this assessment:

Do the Relations with Industry of the Flight Science concentration meet the Relations with Industry criteria as listed in the Comprehensive Assessment Plan?

### **Closing the Loop:**

Were any changes recommended at the last assessment of the Relations with Industry criteria.

State the purpose of the recommended change and whether the change met its intended purpose.

As a result of today's assessment of the Relations with Industry criteria, are any changes recommended at this time? List any recommended change(s) to be assessed at the next assessment of the Relations with Industry criteria.