



School of Aviation Program Assessment Plan 2018-2019

*Jacksonville University
Davis College of Business*

Program Assessment Plan

It is important to emphasize that our *Program Assessment Plan* encompasses not only the assessment of program educational goals (AABI 201: 3.2) and student learning outcomes (AABI 201: 3.3, 3.4) but also goals related to all *functional areas* of the program including: students, curriculum, faculty and staff, facilities and resources, institutional support, safety, and relations with industry.

We would like to make two points regarding our Program Assessment Plan. First of all, a few words about *terminology*. Program Education Objectives (as presented in AABI 201 or 204) are referred throughout this Self-Study Report as *Program Educational Goals*. We prefer the word *Goal* instead of *Objective*. Student Learning Objectives on the other hand are the *desired* Student Learning Outcomes. We use both terms interchangeably and often refer to them as *SLOs*. As shown on the table below, each SLO is associated with a specific Program Educational Goal.

Secondly, please note that major components of our Program Assessment Plan are still developing and need to be improved. After 2008, AABI began a full transition from a “curriculum-prescribed/process-oriented” accreditation to an “outcomes/assessment-based” accreditation with emphasis not only on student learning but also on other areas of an academic program. In addition, as Jacksonville University has adopted TRACDAT as the standard online system for curriculum assessment plans across campus and to align our curriculum goals and student learning outcomes with AABI requirements, the program first began to develop Program Educational Goals and associated Student Learning Objectives (SLOs) in 2008-09. This resulted in a more extensive curriculum assessment plan that was first adopted in 2009-10 which has been executive each year since then (Appendix C.b). In 2010-11 we developed specific program goals covering other functional areas of the program, namely students, curriculum and student learning, faculty and staff, facilities and resources, institutional support, program safety, and relations with industry. We began to adopt the Program Assessment Plan in its current form in 2011-12, incorporating several methods and tentative timelines for assessment of each of those areas

AABI requirements have largely influenced the design of the assessment plan for both degree programs. This assessment plan also formed the basis for the university’s five-year review of the aviation program which was completed in the Spring 2012. Some of the assessment plan outcomes and actions (e.g. program educational goals and student learning objectives) have been documented using TRACDAT. We are currently expanding the use of TRACDAT to assess all the functional areas of the program including students, curriculum faculty and staff, facilities and resources, institutional support, safety, and relations with industry.

The tables below provide a listing of all the goals in the different areas covered by the Program Assessment Plan, indicating an appropriate reference to the AABI Criteria (AABI 201) and the AABI Self Study Report (AABI 204), and will be updated with a summary of key program outcomes and examples of how outcomes were used to improve the program in the different areas as the past year's analysis is completed.

STUDENT GOALS	AABI Reference
1. Recruit quality students who are likely to succeed academically and professionally	AABI 201: 3.1 AABI 204: II
2. Retain quality students who are likely to succeed academically and professionally	AABI 201: 3.1 AABI 204: II
3. Provide quality opportunities for students for personal and professional growth both inside and outside the classroom	AABI 201: 3.1 AABI 204: II

Key outcomes from assessment of student goals:

Academic Year 2017-2018 in process of analysis.

Examples of how student outcomes were used to improve the program:

To be determined from the Program analysis.

PROGRAM EDUCATIONAL GOALS AND STUDENT LEARNING OBJECTIVES	AABI Reference
<p>Four (4) Program Educational Goals have been established to support the <i>School of Aviation Mission</i> and in accordance to AABI Criteria 3.2 (Section III in this SSR). In addition, within each Program Educational Goal, several related Student Learning Objectives (SLO) have been established in accordance to AABI Criteria 3.3 (<u>General Outcomes</u> in Section IV in this SSR), as well as AABI Criteria 3.4 (<u>Curriculum Outcomes</u> in Section V in this SSR). The reference in parenthesis at the end of each SLO indicates whether the objective refers to an AABI <i>General Outcome (GO)</i>, <i>Aviation Core Outcome (ACO)</i>, or <i>Program-Specific Outcome (PSO)</i>. Except as indicated for Program-Specific Outcomes (PSO), all SLOs apply to both AVO and AVM degree programs.</p>	
GOAL 1. PROFESSIONAL COMPETENCY	AABI 201: 3.2 AABI 204: III
SLO 1A: Apply mathematics, science, and applied sciences to aviation-related disciplines (<i>GO</i>)	AABI 201: 3.3.1a AABI 204: IV
SLO 1B: Analyze and interpret data (<i>GO</i>)	AABI 201: 3.3.1.b AABI 204: IV
SLO 1C: Use the techniques, skills, and modern technology necessary for professional practice (<i>GO</i>)	AABI 201: 3.3.1.h AABI 204: IV
SLO 1D: Work effectively on multi-disciplinary and diverse teams (<i>GO</i>)	AABI 201: 3.3.1.c AABI 204: IV
SLO 1E: Make professional and ethical decisions (<i>GO</i>)	AABI 201: 3.3.1.d AABI 204: IV
SLO 1F: Display the attributes of an aviation professional, carry out career planning and demonstrate knowledge of certification (<i>ACO</i>)	AABI 201: 3.3.2. AABI 204: V
SLO 1G: Apply knowledge of aircraft design, performance, operating characteristics, and maintenance (<i>ACO</i>)	AABI 201: 3.3.2 AABI 204: V
SLO 1H: Demonstrate knowledge of airport, airspace, and air traffic control operations (<i>ACO</i>)	AABI 201: 3..3.2 AABI 204: V

SLO 1I:	Apply knowledge of meteorology at a level commensurate with their position (<i>ACO</i>)	AABI 201: 3.3.2 AABI 204: V
SLO 1J:	Apply advanced aircraft systems knowledge to perform normal and abnormal systems procedures in a current generation transport category aircraft (<i>PSO – AVO</i>) ¹	AABI 201: 3.3.2 AABI 204: IV
GOAL 2.	REGULATORY COMPLIANCE	AABI 201: 3.2 AABI 204: III
SLO 2A:	Demonstrate knowledge of national aviation law (<i>ACO</i>)	AABI 201: 3.3.2 AABI 204: V
SLO 2B:	Demonstrate knowledge of international aviation law (<i>ACO</i>)	AABI 201: 3.3.2 AABI 204: V
SLO 2C:	Demonstrate knowledge of aviation regulations (<i>ACO</i>)	AABI 201: 3.3.2 AABI 204: V
SLO 2D:	Demonstrate knowledge aviation labor issues (<i>ACO</i>)	AABI 201: 3.3.2 AABI 204: V
SLO 2E:	Demonstrate knowledge of FAR Part 139 Certification and Regulations in the conduct of airport operations (<i>PSO – AVM</i>) ¹	AABI 201: 3.4d, 4.1 AABI 204: IV
GOAL 3.	TRIPLE BOTTOM LINE	AABI 201: 3.3 AABI 204: III
SLO 3A:	Assess the national aviation environment (<i>GO</i>)	AABI 201: 3.3.1.i AABI 204: IV
SLO 3B:	Assess the international aviation environment (<i>GO</i>)	AABI 201: 3.3.1.i AABI 204: IV
SLO 3C:	Apply knowledge of business sustainability to aviation issues (<i>GO</i>)	AABI 201: 3.3.1.k AABI 204: IV
SLO 3D:	Assess environmental issues (<i>ACO</i>)	AABI 201: 3.3.3.6 AABI 204: V
SLO 3E:	Apply triple-bottom-line sustainable practices to aviation business strategies (<i>PSO – AVM</i>) ¹	AABI 201: 5.1.2 AABI 204: IV
GOAL 4.	CRITICAL THINKING	AABI 201: 3.2 AABI 204: III

SLO 4A: Apply pertinent knowledge in identifying and solving problems (GO)	AABI 201: 3.3.1.j AABI 204: IV
SLO 4B: Demonstrate knowledge and skills related to aviation safety and human factors (ACO)	AABI 201: 3.3.2.3 AABI 204: V
SLO 4C: Use written communication skills to communicate effectively (GO)	AABI 201: 3.3.1.e AABI 204: IV
SLO 4D: Use oral communication skills to communicate effectively (GO)	AABI 201: 3.3.1.e AABI 204: IV
SLO 4E: Recognize the need for, and engage in life-long learning (GO)	AABI 201: 3.3.1.f AABI 204: IV
SLO 4F: Assess contemporary issues (GO)	AABI 201: 3.3.1.g AABI 204: IV
SLO 4G: Demonstrate applied resource and error management skills during crew operations in a current generation transport category aircraft (PSO – AVO) ¹	AABI 201: 3.4 AABI 204: IV

1. Note that the Program Specific Outcomes (PSO) is assessed in 2012-13 in AVO 432 (*Jet Transition Training Lab*) and AVM 432 (*Strategies in Aviation Management*) as *capstone* courses for AVO and AVM students respectively.

Key outcomes from assessment of curriculum goals and student learning objectives:

Academic Year 2017-2018 in process of analysis.

Examples of how curriculum and student learning outcomes were used to improve the program:

To be determined from the Program analysis.

FACULTY AND STAFF GOALS	AABI Reference
1. Hire and retain a sufficient number of academically and professionally qualified faculty and staff	AABI 201: 3.5 AABI 204: VI
2. Establish expectations for teaching excellence	AABI 201: 3.5 AABI 204: VI
3. Establish expectations for faculty to engage with students as educators, advisors and mentors	AABI 201: 3.5 AABI 204: VI
4. Establish expectations and provide opportunities for promotion and tenure	AABI 201: 3.5 AABI 204: VI
5. Provide quality opportunities for professional development	AABI 201: 3.5 AABI 204: VI

Key outcomes from assessment of faculty goals:

Academic Year 2017-2018 in process of analysis.

Examples of how faculty outcomes were used to improve the program:

To be determined from the Program analysis.

FACILITIES AND RESOURCES GOALS	AABI Reference
1. Provide adequate classroom, laboratory, and equipment adequate to accomplish the program goals and provide an atmosphere conducive to learning	AABI 201: 3.6.1 AABI 204: VII
2. Provide modern and state-of-the art aviation training equipment, software, and materials	AABI 201: 3.6 AABI 204: VII

Key outcomes from assessment of facility and resource goals:

Academic Year 2017-2018 in process of analysis

Examples of how facility and resource outcomes were used to improve the program:

To be determined from the Program analysis

INSTITUTIONAL SUPPORT GOALS	AABI Reference
1. Secure institutional support for the mission, vision, and goals of the aviation program	AABI 201: 3.7 AABI 204: VIII
2. Secure adequate institutional support to assure the quality and continuity of the program	AABI 201: 3.7 AABI 204: VIII
3. Provide sufficient resources to attract, retain, and provide for continued growth of quality students	AABI 201: 3.7 AABI 204: VIII
4. Provide sufficient resources to attract, retain, and provide for continued professional development of a well-qualified faculty	AABI 201: 3.7 AABI 204: VIII
5. Provide sufficient resources to acquire, maintain, and operate facilities and equipment appropriate for the program	AABI 201: 3.7 AABI 204: VIII
6. Provide support personnel and institutional services adequate to meet program needs	AABI 201: 3.7 AABI 204: VIII

Key outcomes from assessment of institutional support goals:

Academic Year 2017-2018 in process of analysis

Examples of how institutional support outcomes were used to improve the program:

To be determined from the Program analysis

PROGRAM SAFETY GOALS	AABI Reference
1. Commit to the highest aviation safety standards due to the nature of the program, which involves training in actual aircraft and preparing graduates to work in a high-risk industry	AABI 201: 3.8 AABI 204: IX
2. Provide, and actively use, a verifiable formal aviation safety program that actively involves students, faculty, and staff for operations involving flight and other aviation laboratories	AABI 201: 3.8 AABI 204: IX
3. Endorse an anti-drug program implemented and administered by both the University and our flight school contractor, Aerosim Flight Academy	AABI 201: 3.8 AABI 204: IX

Key outcomes from assessment of program safety goals:

Academic Year 2017-2018 in process of analysis

Examples of how program safety outcomes were used to improve the program:

To be determined from the Program analysis

RELATIONS WITH INDUSTRY GOALS	AABI Reference
1. Remain responsive to the ever changing education and training requirements of the aviation industry by maintaining strong relationships between the aviation program and practicing professionals in the industry.	AABI 201: 3.9 AABI 204: X
2. Expand the students' education beyond the classroom through unique training partnerships with industry.	AABI 201: NA AABI 204: X
3. Provide hands-on working experience through quality internships in the aviation industry.	AABI 201: NA AABI 204: X
4. Establish and maintain an active alumni/industry aviation advisory board	AABI 201: NA AABI 204: X

Key outcomes from assessment of relations with industry goals:

Academic Year 2017-2018 in process of analysis

Examples of how relations with industry outcomes were used to improve the program:

To be determined from the Program analysis