AABInternational

	Southeastern Oklahoma State University
12/18/2023	**Aviation Sciences Institute**
	Bachelor of Science in Aviation Professional Pilot
	Student Achievement Data

Program Learning Objectives and Goals

"Graduates of the Professional Pilot program will be effective communicators with the ability to prepare and deliver oral and written presentations using appropriate aeronautical and business knowledge to solve complex problems. ASI graduates will possess the knowledge to understand the significance of making professional and ethical decisions for the aviation industry. ASI graduates will possess the leadership skills necessary to give direction and guidance and to delegate work tasks in a manner which proves to be effective and which motivates others to do their best in both a manager/subordinate and a team setting. They will engage in life-long learning, have knowledge of contemporary issues, use of techniques, skills and modern technology of evolving computer-based technologies to integrate worldly and scenario-based knowledge to successfully operate in the national and International aviation environment. ASI graduates will understand the functional areas of aviation and how they relate to each other. ASI Professional Pilot graduates will develop a safety-oriented mindset and an in-depth understanding of Safety Management Systems while becoming proficient and safe pilots. They will develop the ability to safely fly in single-pilot environments utilizing aeronautical decision-making skills to solve aviation problems using acquired experiential knowledge. Finally, professional pilot graduates will develop the ability to safely fly in multi-pilot environments utilizing CRM concepts like leadership, teamwork, communications, and workload management and develop effective instructional aptitude to understand and effectively use technology in the legacy as well as the modern, automated cockpit."

Student Learning Outcomes

Goal	Southeastern Student Outcomes	AABI General Student Outcomes - General	Aviation Core Outcomes (AABI 3.3.2)
A	The student will demonstrate effective written and oral communications skills	**Apply mathematics, science, and applied sciences to aviation related disciplines;**	Describe the professional attributes, requirements or certifications, and planning applicable to aviation careers.
B	The student will demonstrate aviation problem solving	**Analyze and interpret data;**	Describe the principles of aircraft design, performance and operating characteristics; and the regulations related to the maintenance of aircraft and associated systems.
C	The student will demonstrate aviation proficiency, ethics, and professionalism	**Work effectively on multi-disciplinary and diverse teams;**	Evaluate aviation safety and the impact of human factors on safety.
D	The student will demonstrate proficient use of computer technology	**Make professional and ethical decisions;**	Discuss the impact on aviation operations of international aviation law, including applicable International Civil Aviation Organization (ICAO) or other international standards and practices; and applicable national aviation law, regulations and labor issues.
E	The student will demonstrate synthesis of aviation knowledge and be able to integrate that into their career aspirations	**Communicate effectively, using both written and oral communication skills;**	Explain the integration of airports, airspace, and air traffic control in managing the National Airspace System.
F	The student will demonstrate a safety mindset and understand the workings of a Safety Management System (SMS)	**Engage in and recognize the need for life-long learning;**	Discuss the impact of meteorology and environmental issues on aviation operations.
G	The student will demonstrate pilot proficiency and airmanship	**Assess contemporary issues;**	
H	The student will demonstrate effective Aeronautical Decision Making (ADM) skills	**Use the techniques, skills, and modern technology necessary for professional practice;**	
I	The student will demonstrate Single Pilot Resources Management (SRM) Skills	**Assess the national and international aviation environment;**	
J	The student will demonstrate effective Crew Resources Management (CRM) Skills	**Apply pertinent knowledge in identifying and solving problems;**	
K	The student will demonstrate effective flight instructional skills and techniques	**Apply knowledge of business sustainability to aviation issues.**	
L	The student will demonstrate proficiency with Technically Advanced Aircraft (TAA) cockpits		

SE Professional Flight Program Outcome Assessment Process (POAR)

Program assessment employed by the department are student survey, class evaluation survey, alumni, industry, Faculty, Interview, Safety committee through our SMS program, FAA Part 61 and 141 practical examination results, FAA Primary Operations Inspector and Maintenance operation feedback, AABI recommendations and annual faculty outcomes assessments of each course.
Information from the processes above are gathered and all of the faculty conduct an outcome assessment meeting to discuss the data. During this meeting changes will be deliberated and ideas will be implemented. Also, the outcome of previous changes are evaluated. The Professional flight program continues review operation from daily/weekly stage checks and flight operations. The Chief Flight instructor and faculty discusses needed changes during the year.

The following represents the evaluation points where thirty-eight different Student Learning Outcomes are evaluated and data collected to determine whether baseline objectives and measures are being accomplished.

Student Learning Outcomes - Combined (AABI 3.3.1)				Southeastern Outcome Mapping												AABI General Outcome Mapping											AABI Aviation Outcome Mapping					
Aviation - Professional Pilot Core Courses (64/124 Credits)	Type	Credits	Faculty	A	B	C	D	E	F	G	H	I	J	K	L	A	B	C	D	E	F	G	H	I	J	K	A	B	C	D	E	F
Gen Ed and Elective portion other than Aviation Core Courses	*GE*	60	Gen Ed																													
AVIA 3023 Air Traffic Control	A	3	Allnisi																												E	
AVIA 3113 Aviation Legal Problems	A	3	Allnisi																E													
AVIA 4643 Physiology	A	3	Allnisi																										C			
AVIA 4663 Contemporary Topics	A	3	Allnisi	E				E												E	E	E		E		E				D		
AVIA 3003 Meteorology	A	3	Gaffney																													F
AVIA 3123 Commercial Operations	G	3	Hunt																								E					
AVIA 3173 Aviation Safety (SMS)	A	3	Hunt						E																				C			
AVIA 3334 Advanced Aerodynamics	A	4	Hunt													E	E											E				
AVIA 3503 Integration of FMS/Comm. Ops	A	3	Hunt				E																									
AVIA 4674 Crew Resource Management (*Capstone)	A	4	Hunt										E					E						E		E						
AVIA 3241 Flight Instructor Flying (FAA CFI)	F	1	Thomas			E								E																		
AVIA 3541 Technically Advanced Aircraft (TAA) (Com 3)	F	1	Thomas												E																	
AVIA 3551 Commercial Certification (FAA Com 4)	F	1	Thomas		E					E	E	E																				

Currently Enrolled Aviation Professional Pilot Students GPA (Out of 4.0) 12/2023		
GPA Range	**Number of Students**	**Percent**
3.5 - 4.0	55	**45.00%**
3.0 - 3.49	34	**28.00%**
2.5 - 2.99	24	**20.00%**
Below 2.5	8	**7.00%**

Professional Pilot Students Retention and Graduation rates

Declared Prof Pilot Major Start Year at SE	# Students entering Program	# Retained at end of year 1	# Retained at end of year 2	# Retained at end of year 3	# Retained at end of Year 4	# Graduated in Program as of Spr 23
2013	29	15	11	8	4	5
2014	29	22	17	14	5	11
2015	23	11	10	8	5	8
2016	35	28	20	16	12	6
2017	48	35	29	25	17	6
2018	47	32	29	21	11	6
2019	52	44	31	18	15	2
2020	56	45	33	29		
2021	24	19	15			
2022	25	24				
2023	39					

% Declared Prof Pilot Major Start Year at SE	# Students entering Program	% Retained at end of year 1	% Retained at end of year 2	% Retained at end of year 3	% Retained at end of Year 4	% Graduated in Program
2013	29	52%	38%	28%	14%	17%
2014	29	76%	59%	48%	17%	38%
2015	23	48%	43%	35%	22%	35%
2016	35	80%	57%	46%	34%	17%
2017	48	73%	60%	52%	35%	13%
2018	47	68%	62%	45%	23%	13%
2019	52	85%	60%	35%	29%	4%
2020	56	80%	59%	52%		
2021	24	79%	63%			
2022	25	96%				
2023	39					

Type of Employment by Graduates (years 2013 to 2023 graduates)

SE Professional Pilot Graduates - 2013 - 2023	
Summary	**Number**
Airline Pilot	**70**
Corporate Pilot	**11**
University Professor or Flight Instructor	**24**
Charter 135 Pilot	**8**
Non-aviation position	**2**
Cargo	**2**
Military Pilot	**0**
Agricultural, Banner, Glider, Parachute or other Commercial pilot	**0**
Aviation – non pilot position	**0**
Total	**117**

SE Professional Pilot Graduates												
Detail Analysis												
Year Details	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**Totals**
Number Entering Freshman Year	29	29	23	35	48	47	44	56	25	29	39	**404**
Number Graduating and Placed in Industry	9	7	9	10	12	11	7	6	11	16	19	**117**
Percentage	**31.0%**	**24.1%**	**39.1%**	**28.6%**	**25.0%**	**23.4%**	**15.9%**	**10.7%**	**44.0%**	**55.2%**	**48.7%**	**29.0%**
Industry	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**			**Totals**
Airline Pilot	6	7	7	8	11	9	4	2	4	6	6	**70**
Corporate Pilot	1	0	1	1	1	1	1	1	0	2	2	**11**
University Professor or Flight Instructor	0	0	0	0	0	0	1	1	7	7	8	**24**
Charter 135 Pilot	1	0	0	0	0	1	1	2	0	1	2	**8**
Non-aviation position	1	0	0	1	0	0	0	0	0	0	0	**2**
Cargo	0	0	1	0	0	0	0	0	0	0	1	**2**
Military Pilot	0	0	0	0	0	0	0	0	0	0	0	**0**
Agricultural, Banner, Glider, Parachute or other Commercial pilot	0	0	0	0	0	0	0	0	0	0	0	**0**
Aviation – non pilot position	0	0	0	0	0	0	0	0	0	0	0	**0**
Totals	**9**	**7**	**9**	**10**	**12**	**11**	**7**	**6**	**11**	**16**	**19**	**117**

FAA Pass Rate Statistics

Summary

FAA Pass Rate Statistics

Year	FAA Written	FAA Practical	Composite
2023	**96.3%**	**78.2%**	**87.3%**

FAA Knowledge Exams	2017	2018	2019	2020	2021	2022	2023
FAA Knowledge Exams							
Private Written Exam	96.0%	86.0%	84.0%	91.7%	86.0%	80.0%	82.4%
Commercial Written Exam	71.0%	62.0%	75.0%	100.0%	95.2%	97.0%	100.0%
Instrument Written Exam	67.0%	93.0%	91.3%	100.0%	84.2%	95.2%	100.0%
FOI Written	77.0%	95.0%	91.7%	100.0%	93.3%	92.9%	96.3%
FIA Written	83.0%	89.0%	100.0%	93.3%	100.0%	93.3%	97.6%
IFI Written	92.0%	100.0%	83.3%	100.0%	100.0%	100.0%	97.0%
Total Blended Average	**81.0%**	**87.5%**	**87.6%**	**97.5%**	**93.1%**	**93.1%**	**95.5%**