



**Southeastern Oklahoma  
State University**

*Aerospace Sciences Institute*  
*BS Aviation – Professional Pilot*  
*Program Overview*  
*Prospectus*



*May 1, 2024*

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## UNIVERSITY MISSION STATEMENT

Southeastern Oklahoma State University provides an environment of academic excellence that enables students to reach their highest potential. By having personal access to excellent teaching, challenging academic programs, and extracurricular experiences, students will develop skills and habits that promote values for career preparation, responsible citizenship, and lifelong learning.

### **Aerospace Sciences Mission Statement**

The primary mission of the Aerospace Sciences Institute is to provide its students with the highest quality aviation education and flight training possible. The fundamental belief being that the best trained students will be the safest and most successful aviation professionals. The Aviation Sciences Institute will strive to excel as a world leader in aviation education. To that end, the Aviation Sciences Institute will provide the student with the most current information, technology, and personalized training available in the aviation profession.



The Professional Pilot program is designed to provide comprehensive flight training augmented with intense academic and ground training designed to produce confident, safe, professional pilots. Simulation is incorporated to provide the professional pilot students with hands on experience with advanced technology and different environments.

Professional Pilot majors must obtain an FAA first class medical certificate issued by a physician designated by the Federal Aviation Administration (FAA). All flight students must also comply with all Department of Homeland Security regulations governing flight training for U.S. and non-U. S citizens.

Bachelor of Science Aviation Professional Pilot program is accredited by the Aviation Accreditation Board International (AABI). Compliance with AABI Policy 3.4.2.

Graduates will be effective communicators with the ability to prepare and deliver oral and written presentations using appropriate technologies. ASI students possess the knowledge and understand the significance of making professional and ethical decisions. ASI graduates 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 engage in lifelong learning, knowledge of contemporary issues, use of techniques, skills and modern technology with and understand both US national and ICAO international aviation. ASI graduates will understand the functional areas of aviation and how they relate to each other.

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## Aviation Program Application and Acceptance Procedure

**The Southeastern Professional Pilot program is competitive in that each applicant must apply to the program through the University application process; each application packet is ranked using a structured evaluation protocol. The Professional Pilot program accepts students on a rolling admissions basis. Acceptance is based on the strength of the candidate's application packet. The Aerospace Selection Committee meets at least monthly beginning in September, to review and evaluate completed application packets. Successful applicants will be notified of acceptance as admissions decisions are made. The number of incoming students varies each year depending on many factors, for example previous year graduation metrics. The application window is from July 1<sup>st</sup> until January 15<sup>th</sup> each year.**

### Application Procedure

To apply for the Professional Pilot program, begin by applying to Southeastern Oklahoma State University [Here](#). Then complete the online university application by submitting the following documents:

\*Documents may be uploaded directly into your online application account.

- Previous institutional transcripts (High school and College)
- SAT/ACT scores
- FAA 1<sup>st</sup> Class Medical Certificate; includes a 1<sup>st</sup> Class that has defaulted to 3<sup>rd</sup> Class. ([Click here to locate an AME.](#))
- A **minimum** 1-page essay indicating why you want to be a professional pilot and why you want to be a part of the Southeastern Professional Pilot program.
- A Resume highlighting your scholastic, leadership, and responsibility accomplishments.
- At least three letters of recommendation.
- A link to a video submission answering posted interview questions. The video should be no longer than 5 minutes and professional in nature. (YouTube is preferred.)

Once all documents are uploaded, they will then be reviewed by Southeastern Admissions and the Aerospace Department.

For any questions or concerns, please contact [aviationadvising@se.edu](mailto:aviationadvising@se.edu) or by phone at 580-745-3252.

### Factors Affecting Acceptance into the Professional Pilot program


The following represents some of the factors which might result in getting the highest probability of program acceptance:



- Students who do not have an FAA 1<sup>st</sup> Class Medical will not be considered.
- Students that have an alumni connection or are legacy students of Southeastern may receive a higher score.
- Students who have shown leadership skills in high school, scouts, or other organizations may receive a higher score.
- Students who have high GPA and/or ACT or SAT scores may receive a higher score.
- Essay submissions are evaluated on both grammar and content separately.
- Letters of recommendation that provide context receive higher scoring value.
- Candidates are encouraged to prepare and rehearse the video interview prior to submission.

## Professional Pilot Program Aviation Course Types


FAA Title 14 CFR 141 Courses and Course Type			
Aviation - Professional Pilot Core Courses (64 Credits)	Credits	Course Type	FAA 14 CFR 141 Courses
<b>General Aviation Segment</b>			
AVIA 1004 Primary Ground Instruction	4	Ground	√
AVIA 1041 Private Flying (Private)	1	Flight	√
AVIA 2083 Commercial Performance & Regulations	3	Ground	√
AVIA 3173 Aviation Safety (SMS)	3	Lecture	
AVIA 3003 Meteorology	3	Lecture	
AVIA 3023 Air Traffic Control	3	Lecture	
AVIA 3113 Aviation Legal Problems	3	Lecture	
AVIA 3123 Commercial Operations	3	Ground	√
AVIA 3511 Advanced Commercial Maneuvers Flight (COM 1)	1	Flight	√
AVIA 3284 Instrument Ground	4	Ground	√
AVIA 3521 Instrument Rating Flight (Inst)	1	Flight	√
AVIA 3531 Commercial Experience Building Operations Flight (COM 2)	1	Flight	√
AVIA 3451 Intro Adv. Tech. Aircraft (TAA)	1	Integrated Lecture/Lab	
AVIA 3541 Commercial TAA Operations Flight (COM 3)	1	Flight	√
AVIA 3551 Commercial FAA Certification Flight (COM 4)	1	Flight	√
AVIA 3152 Fundamentals of Instruction (FOI)	2	Ground	√
AVIA 3202 Flight Instructor Ground	2	Ground	√
AVIA 3241 Flight Instructor Flying (CFI)	1	Flight	√
AVIA 3362 Instrument Flight Instructor Ground	2	Ground	√
AVIA 3401 Instrument Flight Instructor Flying (CFII)	1	Flight	√
AVIA 4562 Multiengine Ground Instruction	2	Ground	√
AVIA 4601 Multiengine Flying (Multi)	1	Flight	√
<b>Transport Aircraft Segment</b>			
AVIA 3334 Advanced Aerodynamics	4	Lecture	
AVIA 3233 Adv. Aircraft System (B737 MAX FBPT)	3	Integrated Lecture/Sim	
AVIA 3503 Integration of FMS/Comm. Ops (B737 MAX FBPT)	3	Integrated Lecture/Lab	
AVIA 4643 Physiology	3	Lecture	
AVIA 4663 Contemporary Topics (Capstone)	3	Lecture	
AVIA 4674 Crew Resource Management (Capstone)(B737 MAX FBPT)	4	Integrated Lecture/Sim	
<i>Total Aviation Credits</i>	<b>64</b>		

## Professional Pilot Program Course Sequence

Southeastern Oklahoma State University		Suggested Sequence Planning Guide		BS - Aviation - Professional Pilot- Effective 08/2022			
124 Credits to Graduate		Classes in BOLD type are required for Aviation Major/Minor					
FRESHMAN YEAR							
Fall			Credits	Spring			Credits
AVIA 1004 G	Private Pilot Ground		4	AVIA 2083 G	Commercial Performance Ground		3
AVIA 1041 F	Private Pilot Flying		1	AVIA 3511 F	Adv Commercial Maneuvers Flight (COM 1)		1
ENG 1113	#English		3	AVIA 3173	Aviation Safety		3
Math 1513	#Algebra		3	AVIA 3003	Aviation Meteorology		3
ORIE 1002	#College Success		2	PSY 1113	#Intro to Psychology or KIN 1113 (Wellness)		3
POSC 1513	#U.S. Federal Gov		3	ENG 1213	#English		3
			<b>16</b>				<b>16</b>
SOPHOMORE YEAR							
Fall			Credits	Spring			Credits
AVIA 3123 G	Commercial Operations Ground		3	AVIA 3451	Intro. To Adv. Tech A/C		1
AVIA 3531 F	Commercial Experience Building Fit (COM 2)		1	AVIA 3541	Technically Advanced Aircraft Flight (COM 3)		1
AVIA 3521 F	Instrument Rating Flight (Inst)		1	PHYS 1004	#Concepts in Physics (Also Lab)		4
AVIA 3284 G	Instrument Ground		4	COMM 2213	#Bus & Prof Speaking		3
MATH 2143	#Brief Calculus		3	CIS 1003	Computers in Society or BIM 1553		3
HIST 1513/1523	#History (Before or after 1876)		3	BIO 1114	#Biology (Also Lab)		4
			<b>15</b>				<b>16</b>
JUNIOR YEAR							
Fall			Credits	Spring			Credits
AVIA 3551 F	Commercial Certification Fit (COM 4)		1	AVIA 3362 G	CFII Ground		2
AVIA 3152 G	Fundamentals of Instructing (FOI)		2	AVIA 3401 F	CFII Flying		1
AVIA 3202 G	CFI Ground		2	AVIA 3233 T	Advanced A/C Systems		3
AVIA 3241 F	CFI Flying		1	AVIA 3113	Aviation Legal		3
AVIA 3334 T	Advanced Aerodynamics		4	Hum. Phil. Lit	Req. Elective 1 - See Advisor or Colleague		3
AVIA 3023	Air Traffic Control		3	Hum. Phil. Lit	Req. Elective 2 - See Advisor or Colleague		3
Social Sciences	SS Elective 1 - See Catalog for Classes		3				
			<b>16</b>				<b>15</b>
SENIOR YEAR							
Fall			Credits	Spring			Credits
AVIA 3503 T	Flight Management Systems/Comm Ops		3	AVIA 4674 T	Crew Resources Management (CRM) (Capstone)		4
AVIA 4562 G	MEL Ground		2	AVIA 4663	Contemporary Topics in Aviation (Capstone)		3
AVIA 4601 F	MEL Flying		1	Fine Arts	Req. Elective- See Advisor or Colleague		3
AVIA 4643	Physiology		3	Electives	Req. Elective 1- See Advisor or Colleague		3
Avia Elective	Req Aviation Elective - See Advisor or Colleague		3	Electives	Req. Elective 2- See Advisor or Colleague		3
Humanities	Req. Hum Elective 2 - See Advisor or Colleague		3				
			<b>15</b>				<b>16</b>
General Business Minor (9 hours required/9 electives)				Management Minor(3 hours required/15 electives)			
ACCT 2103 Fund of Financial Acc		Req		MNGT 3113 Mngt and Org Behavior			
MNGT 3113 Mngt and Org Behavior		Elec		MNGT 3243 Prod and Operations Management			
MKT 3233 Principles of Marketing		Elec		MNGT 3343 Small Bus Management			
9 hours of Elective Refer to the undergraduate catalog		Elec		MNGT 3443 Supervisory Management			
		Elec		MNGT 3533 Human Resource Mngt			
Refer to the current undergraduate catalog		Elec		MNGT 4653 Contemporary Issues			
for any Major or Minor requirements		Elec		MNGT 4663 Entrepreneurship			
Notes:	Each student needs 55 credit hours of Liberal Arts/Sciences, See Catalog for requirements						
	Codes: G = FAA Ground, F = FAA Flight, T = Transport Segment						
	64 Aviation Credits Required for FAA R-ATP Certificate per 61.160(b) and AC 61-139						

 Southeastern Oklahoma State University - Aerospace Sciences Institute BS - Aviation Professional Pilot						
General Education: 41 - 46 Credit Hours			Major/Minor: 64 Credit Hours			
Cr	Course	Prerequisites	Semester	Course	Prerequisites	Semester
9 Credit Hours	#ENG 1113		Fall	AVIA 1004 Primary Ground Instruction (141)	N/A	Fall
	#ENG 1213	# ENG 1113		AVIA 1041 Private <b>Flying</b> (141)	N/A	Fall
	#COMM 2213			AVIA 2083 Commercial Performance & Regs (141)	AVIA 1004	Spring
12 Credit Hours	#POSC 1513			AVIA 3003 Meteorology	AVIA 1004	Spring
	#HIST 1513			AVIA 3173 Safety	N/A	Fall
	OR #HIST 1523			AVIA 3511 Commercial Maneuvers <b>Flight</b> (141)	AVIA 2083	Spring
	#ECON 2113			AVIA 3284 Instrument Ground (141)	AVIA 2083, 3123	Fall
	OR #GEO 2723			AVIA 3123 Commercial Operations (141)	AVIA 2083	Spring
	OR #HIST 3513			AVIA 3521 Instrument <b>Flight</b> (141)	AVIA 3284	Fall
	OR #SOC 1113			AVIA 3531 Commercial Exp Building <b>Flight</b> (141)	AVIA 3521	When Ready
	#KIN 1113			AVIA 3451 Intro Adv. Tech. Aircraft (TAA)	AVIA 3531	When Ready
	OR #PSY 1113			AVIA 3541 TAA <b>Flight</b> (Cirrus) (141)	AVIA 3451	When Ready
11 Credit Hours	#BIOL 1114 OR			AVIA 3551 Commercial Certification <b>Flight</b> (141)	AVIA 3541	When Ready
	#BIOL 1404			AVIA 3152 Fundamentals Of Instruction (141)	AVIA 1041, 3284	Fall
	#PHYS 1114			AVIA 3202 Flight Instructor Ground (141)	AVIA 1041, 3284	Fall
	#MATH 2143	#MATH 1513		AVIA 3241 Flight Instructor <b>Flying</b> (141)	AVIA 3123, 3284	When Ready
9 Credit Hours	#HUM 2113/2223/2313			AVIA 3362 Instrument Flight Instructor Ground (141)	AVIA 3202, 3321	Spring
	#ENG 2313/3893 #PHIL 2113/2233			AVIA 3401 Instrument Flight Instructor <b>Flying</b> (141)	AVIA 3241, 3321	When Ready
	(3 to 6 hours)			AVIA 3023 Air Traffic Control	AVIA 3284	Fall
	#MUS 1113/1123/3133			AVIA 4562 Multiengine Ground Instruction (141)	AVIA 3123, 3284	Fall
	#ART 1003/1103/2103/3013/3083			AVIA 4601 Multiengine <b>Flying</b> (141)	AVIA 3164	When Ready
	#THTR 1143/1183/2183/3183			AVIA 3113 Aviation Legal Problems	N/A	Spring
	(3 to 6 hours)			<b>Transport Aircraft Segment</b>		
	#Foreign Language			AVIA 3233 Adv. Aircraft System (B737 Lab)	AVIA 1041,2083,3123	Spring
	(0 TO 3 hours)			AVIA 3503 Integration of FMS/Comm. Ops (B 737 Lab)	N/A	Fall
			AVIA 4643 Physiology	N/A	Fall	
#BIM 1513 OR	Can test out of		AVIA 3334 Advanced Aerodynamics (B737 Lab)	MATH 2143/PHYS 1114	Fall	
#CIS 1003	class		AVIA 4663 Contemporary Topics	Senior Standing	Spring	
#ORIE 1002	N/R	Fall	AVIA 4674 Crew Resource Management (Capstone) (B737 Lab)	AVIA 3521, 4562	Spring	
<b>SOSU Graduation Requirements</b>			<b>Aviation Sciences Graduation Requirements</b>			
* Minimum of 124 credit hours			* <i>The last two flight courses accomplished in residence</i>			
* 55 Credit hours of Liberal Arts/Sciences			* <i>Minimum GPA 2.5 in the Aviation major/minor classes</i>			
# Denotes Liberal Arts/Sciences classes			* <i>No grade less than a C in Pilot ground courses</i>			
* Minimum of 60 hours @ Senior institution			* <i>Additional requirements are in the Undergraduate Catalog</i>			
* Additional requirements are in the Undergraduate Catalog			Bolded General Education classes are Professional Pilot Required Classes 			
						4/12/2022

## Professional Pilot Flight Cost Estimates

 <b>BS - Aviation - Professional Pilot - Degree Cost Estimates</b>									
Effective 8/1/2024	AVIA 1041	AVIA 3511	AVIA 3521	AVIA 3531	AVIA 3541	AVIA 3551	AVIA 3241	AVIA 3401	AVIA 4601
<i>Flight Course Title --&gt;</i>	Private Flying * (Private Pilot)	Advanced Commercial Maneuvers Flight (COM1)	Instrument Rating Flight (IR)	Commercial Experience Building Operations Flight (COM2)	Commercial TAA Operations Flight (COM3)	Commercial FAA Certification Flight (COM4)	Flight Instructor Flying (CFI)	Instrument Flight Instructor Flying (CFII)	Multiengine Flying (Com Multi-Inst)
<i>FAA Certifications received--&gt;</i>	Private Pilot ASEL	NA	Instrument Airplane Single Engine Land	NA	NA	Commercial Instrument Airplane Single Engine Land	Certified Flight Instructor Airplane	Certified Flight Instructor - Instrument Airplane	Commercial Instrument Airplane Multiengine Land
<i>Approximate Timeframes per flight course **</i>	9 months (2 Semesters)	3 months (1 Semester)	3 months (1 Semester)	6 months (2 Semesters)	2 months (< 1 Semester)	2 months (< 1 Semester)	4 Months (1 Semester)	3 Months (< 1 Semester)	2 Months (< 1 Semester)
<b>Flight Times per each aircraft</b>									
Solo Cessna C150	10			51					
Solo Cessna C172R/S		9							
Dual Cessna C150	25								
Dual Cessna C172R/S		19	22	17		9	25	15	
Dual Cirrus SR20					15				
Dual-C310R or PA44 Seminole									15
Frasca RTD			13		3				
Estimated Ft hrs per rating/phase	35	28	35	68	18	9	25	15	15
Ground Training (Pre/Post Flight)	15	10	11	14	13	10	20	12	12
<b>Cost per Flight Course</b>	<b>\$6,150</b>	<b>\$5,640</b>	<b>\$6,790</b>	<b>\$12,120</b>	<b>\$4,945</b>	<b>\$2,200</b>	<b>\$5,800</b>	<b>\$3,480</b>	<b>\$6,255</b>
* Flight Fees paid with Tuition	\$ 492.00	\$ 451.20	\$ 543.20	\$ 969.60	\$ 395.60	\$ 176.00	\$ 464.00	\$ 278.40	\$ 500.40
<b>Total Cost of Flight Courses with Flight Fees</b>	<b>\$ 6,642.00</b>	<b>\$ 6,091.20</b>	<b>\$ 7,333.20</b>	<b>\$ 13,089.60</b>	<b>\$ 5,340.60</b>	<b>\$ 2,376.00</b>	<b>\$ 6,264.00</b>	<b>\$ 3,758.40</b>	<b>\$ 6,755.40</b>
<b>Target Credit Hours per Semester &gt;</b>	<b>16</b>								
								<b>Grand Total Flying ***</b>	<b>\$57,650.40</b>
								<b>Approx Flight Cost/Semester ##</b>	<b>\$7,206.30</b>
<b>Fee Description</b>	<b>Resident</b>	<b>Non-Resident #</b>						<b>Aircraft</b>	<b>Rate</b>
Tuition & Fees per semester	\$3,771	\$8,192						C150/152	\$130
Room/Meals per semester	\$3,245	\$3,245						C172R/S	\$160
Books per semester	\$500	\$500						Cirrus SR-20 TRAC	\$225
<b>Cost per Semester</b>	<b>\$7,516</b>	<b>\$11,937</b>						C310/PA44	\$345
Misc Flight Expense per semester	\$1,155	\$1,155							
Budgeted Academic Cost / Semester	\$8,671	\$13,092.25						<b>Simulation and Instruction</b>	
Academic Costs 4 Years	\$69,370	\$104,738						Boeing 737 Max Simulator (Lab fees Per student)	\$160
***Flight Cost - All Ratings (est)	<b>\$57,650</b>	\$53,380						Frasca RTD Trainer	\$110
								Cirrus Kiosk Trainer	\$40
<b>Grand Total</b>	<b>\$127,020</b>	<b>\$158,118</b>						Ground Instructor	\$40
								Flight Instructor	\$40
<b>Avg Total Cost per Semester (8)</b>	<b>\$15,878</b>	<b>\$19,765</b>							
<b>Avg Cost per year (4)</b>	<b>\$31,755</b>	<b>\$39,530</b>						<b>Miscellaneous Training Expenses</b>	
								FAA EOC / Check Ride Costs	\$2,500
								Boeing 737 Max Sim Instruction and Briefings (30 hours)	\$1,052
								Administrative (software) Charges	\$1,440
								FAA Knowledge Exams (6)	\$1,050
								B737 MAX Simulation 20 hours per student (Junior/Senior Year)	\$3,200
								Total 4 year Misc Costs	<b>\$9,242</b>
								Misc Expense Per semester	<b>\$1,155</b>
<b>Notes:</b>	* Using C150/152 for Private. If using C172, costs will be \$1050 higher ** Timeframes approximate- varies by weather, student aptitude and financing issues, outside jobs, flying in summer, etc. *** Costs indicated are FAA program minimums. Actual costs vary by student ability, weather delays, and external factors # Most students are eligible for in-state (resident) pricing. Talk to your Admission Counselor to see if you qualify. ## Students should plan on Flight costs of \$7,206 per semester								







