

AEROSPACE ADMINISTRATION AND OPERATIONS: PROFESSIONAL PILOT, BS

Degree Requirements

Requirements for Students Matriculating in or before Academic Year 2025-2026. Learn more about University Academic Regulation 3.1 (<http://catalog.okstate.edu/university-academic-regulations/#matriculation>).

Minimum Overall Grade Point Average: 2.50

Total Hours: 121

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (http://catalog.okstate.edu/university-academic-regulations/#english-composition)		
ENGL 1113	Composition I	3
or ENGL 1313	Critical Analysis and Writing I	
Select one of the following:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
<i>American History & Government</i>		
Select one of the following:		3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Quantitative Thought & Logical Reasoning (Q)</i>		
MATH 1513	College Algebra (Q) (or higher MATH or STAT (Q) course)	3
<i>Understanding Humanities-Human Heritage & Cultures (H)</i>		
Courses designated (H)		6
<i>Reasoning in the Natural Sciences (N)</i>		
Must include one Laboratory-Based Inquiry (L) course		
GEOG 3033	Meteorology (N)	3
PHYS 1114	College Physics I (LN)	4
Or higher level PHYS		
<i>Exploring Society & Human Behavior (S)</i>		
Course designated (S)		3
<i>Diversity (D)</i>		
Courses designated (D)		3
<i>Global Cultural Competency (G)</i>		
Courses designated (G)		3
<i>Additional General Education</i>		

Additional general education credit hours (at least 3 hours) are required to meet the total 40-hour minimum. If courses carry more than one general education designation and can be used to meet multiple minimum general education designation hours above, more than 3 hours of additional general education will be required here to meet the 40-hour minimum.

Courses designated (Q), (H), (N), (S), (D), (G), or (F)		3
Hours Subtotal		40
College/Departmental Requirements		
UNIV 1111	First Year Seminar (or other approved first year seminar course)	1
EDHS 3111	Preparing for Your Future Career	1
Select 6 hours of electives		6
Recommended Courses (2 hours each below):		
AVED 4100	Specialized Studies in Aviation	
AVED 4200	Internship in Aviation	
Hours Subtotal		8
Major Requirements		
Minimum GPA 2.50 with a minimum grade of "C" in each course		
AVED 1114	Theory of Flight	4
AVED 1222	Private Flight Laboratory I	2
or AVED 1210	Private Flight Laboratory 1A	
AVED 1232	Private Flight Laboratory II	2
or AVED 1230	Private Flight Laboratory 2A	
AVED 1403	Advanced Theory of Flight	3
AVED 2122	Intermediate Flight Lab	2
or AVED 2120	Intermediate Flight Laboratory 1A	
AVED 2133	Instrument Flight Laboratory	3
or AVED 2130	Instrument Flight Laboratory 1A	
AVED 2142	Commercial Maneuvers Flight Lab	2
or AVED 2140	Commercial Maneuvers Flight Laboratory 1A	
AVED 2213	Theory of Instrument Flight	3
AVED 2313	Theory of Commercial Flight	3
AVED 3113	History of Aviation	3
AVED 3231	Theory of Multi-Engine Flight	1
AVED 3243	Human Factors in Aviation	3
AVED 3333	Advanced Aircraft Systems	3
AVED 3341	Multi-Engine Flight Laboratory	1
AVED 3433	Aviation/Aerospace Ethics	3
AVED 3443	Aviation Legal and Regulatory Issues	3
AVED 3453	Aviation/Aerospace Security Issues	3
AVED 3533	Aircraft Turbine Engine Operation	3
AVED 3663	Aerospace and Air Carrier Industry	3
AVED 4113	Aviation Safety	3
AVED 4133	Principles of Flight Instruction	3
AVED 4232	Flight Instructor: Airplane Flight Laboratory	2
or AVED 4230	Flight Instructor Flight Laboratory 1A	
AVED 4303	Aviation Weather	3
AVED 4353	Cockpit Automation	3
AVED 4653	International Aerospace Issues (G)	3
AVED 4703	Crew Resource Management	3
AVED 4993	Aviation Labor Relations	3

Hours Subtotal	73
Total Hours	121

Program Entrance Requirement

- Selection into OSU's professional pilot option through the competitive secondary application process is required.

Other Requirements

- 40 hours of upper-division coursework.
- A 2.50 GPA is required in the Major Requirements with no grade below a “C”.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 and 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2031.

Example Plan of Study

Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
Freshman		
Fall		
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
AVED 1114	Theory of Flight	4
HIST 1103 or HIST 1483 or HIST 1493	Survey of American History or American History to 1865 (H) or American History Since 1865 (DH)	3
AVED 1222 or AVED 1210	Private Flight Laboratory I or Private Flight Laboratory 1A	2
UNIV 1111	First Year Seminar	1
Hours		13
Spring		
ENGL 1213 or ENGL 1413 or ENGL 3323	Composition II or Critical Analysis and Writing II or Technical Writing	3
AVED 1403	Advanced Theory of Flight	3
POLS 1113	American Government	3
MATH 1513	College Algebra (Q)	3
AVED 1232 or AVED 1230	Private Flight Laboratory II or Private Flight Laboratory 2A	2
Hours		14

Sophomore		
Fall		
AVED 3113	History of Aviation	3
AVED 2213	Theory of Instrument Flight	3
PHYS 1114	College Physics I (LN) (or higher level PHYS)	4
Course Designated (H)		3
AVED 2133 or AVED 2130	Instrument Flight Laboratory or Instrument Flight Laboratory 1A	3
EDHS 3111	Preparing for Your Future Career	1
Hours		17
Spring		
AVED 2313	Theory of Commercial Flight	3
AVED 3453	Aviation/Aerospace Security Issues	3
GEOG 3033	Meteorology (N)	3
Course designated (G)		3
3 Hours of Elective - LEIS courses do not count)		3
Hours		15
Junior		
Fall		
AVED 3231	Theory of Multi-Engine Flight	1
AVED 3243	Human Factors in Aviation	3
AVED 3443	Aviation Legal and Regulatory Issues	3
AVED 4303	Aviation Weather	3
Course Designated (H)		3
AVED 2122 or AVED 2120	Intermediate Flight Lab or Intermediate Flight Laboratory 1A	2
Hours		15
Spring		
AVED 3533	Aircraft Turbine Engine Operation	3
AVED 4133	Principles of Flight Instruction	3
Course designated (D)		3
3 Hours elective - LEIS courses do not count		3
AVED 2142 or AVED 2140	Commercial Maneuvers Flight Lab or Commercial Maneuvers Flight Laboratory 1A	2
Course designated (S)		3
Hours		17
Senior		
Fall		
AVED 4113	Aviation Safety	3
AVED 4653	International Aerospace Issues (G)	3
AVED 4993	Aviation Labor Relations	3
Course designated (Q), (H), (N), (S), (D), (G) or (F)		3
AVED 3333	Advanced Aircraft Systems	3
AVED 3341	Multi-Engine Flight Laboratory	1
Hours		16
Spring		
AVED 3433	Aviation/Aerospace Ethics	3
AVED 4703	Crew Resource Management	3
AVED 3663	Aerospace and Air Carrier Industry	3
AVED 4353	Cockpit Automation	3
AVED 4232 or AVED 4230	Flight Instructor: Airplane Flight Laboratory or Flight Instructor Flight Laboratory 1A	2
Hours		14
Total Hours		121