

AEROSPACE ADMINISTRATION AND OPERATIONS: PROFESSIONAL PILOT, BS

Degree Requirements

Requirements for Students Matriculating in or before Academic Year 2024-2025. 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 or ENGL 1313	Composition I Critical Analysis and Writing I	3
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>Analytical & Quantitative Thought (A)</i>		
MATH 1513	College Algebra (A) (or higher MATH or STAT (A) course)	3
<i>Humanities (H)</i>		
Courses designated (H)		6
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
GEOG 3033	Meteorology (N)	3
PHYS 1114	College Physics I (LN)	4
Or higher level PHYS		
<i>Social & Behavioral Sciences (S)</i>		
Course designated (S)		3
<i>Additional General Education</i>		
Courses designated (A), (H), (N), or (S)		9
Hours Subtotal		40
Diversity (D) & International Dimension (I)		
May be completed in any part of the degree plan		
Select at least one Diversity (D) course		
Select at least one International Dimension (I) course		
College/Departmental Requirements		
UNIV 1111	First Year Seminar (or other approved first year seminar course)	1

EDHS 1111	First Year Seminar Supplement	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 or AVED 1210	Private Flight Laboratory I Private Flight Laboratory 1A	2
AVED 1232 or AVED 1230	Private Flight Laboratory II Private Flight Laboratory 2A	2
AVED 1403	Advanced Theory of Flight	3
AVED 2122 or AVED 2120	Intermediate Flight Lab Intermediate Flight Laboratory 1A	2
AVED 2133 or AVED 2130	Instrument Flight Laboratory Instrument Flight Laboratory 1A	3
AVED 2142 or AVED 2140	Commercial Maneuvers Flight Lab Commercial Maneuvers Flight Laboratory 1A	2
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 or AVED 4230	Flight Instructor: Airplane Flight Laboratory Flight Instructor Flight Laboratory 1A	2
AVED 4303	Aviation Weather	3
AVED 4353	Cockpit Automation	3
AVED 4653	International Aerospace Issues (I)	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 or 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 2030.

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 (A)	3
AVED 1232 or AVED 1230	Private Flight Laboratory II or Private Flight Laboratory 2A	2
EDHS 1111	First Year Seminar Supplement	1
Hours		15
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, DH or HI"		3
AVED 2133 or AVED 2130	Instrument Flight Laboratory or Instrument Flight Laboratory 1A	3
Hours		16
Spring		
AVED 2313	Theory of Commercial Flight	3
AVED 3453	Aviation/Aerospace Security Issues	3
GEOG 3033	Meteorology (N)	3
Course Designated "A, H, N or S"		3

3 Hours of Elective (Choose "D" or "I" course if "D" or "I" requirement not already satisfied - LEIS courses do not count)		3
AVED 2122 or AVED 2120	Intermediate Flight Lab or Intermediate Flight Laboratory 1A	2
Hours		17
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, DH or HI"		3
AVED 2142 or AVED 2140	Commercial Maneuvers Flight Lab or Commercial Maneuvers Flight Laboratory 1A	2
Hours		15
Spring		
AVED 3533	Aircraft Turbine Engine Operation	3
AVED 4133	Principles of Flight Instruction	3
Course Designated "A, H, N or S"		3
AVED 3341	Multi-Engine Flight Laboratory	1
3 Hours General Education (S), (DS), or (IS)		3
Hours		13
Senior		
Fall		
AVED 4113	Aviation Safety	3
AVED 4653	International Aerospace Issues (I)	3
AVED 4993	Aviation Labor Relations	3
Course designated "A, H, N, or S"		3
AVED 3333	Advanced Aircraft Systems	3
AVED 4232 or AVED 4230	Flight Instructor: Airplane Flight Laboratory or Flight Instructor Flight Laboratory 1A	2
Hours		17
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
3 Hour Elective		3
Hours		15
Total Hours		121