

REQUIREMENTS FOR THE BACHELOR OF SCIENCE
COLLEGE OF ATMOSPHERIC AND GEOGRAPHIC SCIENCES
THE UNIVERSITY OF OKLAHOMA

Academic Year
For Students Entering the Oklahoma State System for Higher Education Summer 2024 through Spring 2025

General Requirements	
Minimum Total Credit Hours	120
Minimum Upper-Division Hours	40
Minimum Retention/Graduation Grade Point Averages:	
Overall - Combined and OU	2.25
Major - Combined and OU	2.25

Program
Aviation: Professional Pilot - Airplane Track
B090 P536
Bachelor of Science

OU encourages students to complete at least hours of applicable coursework each year to have the opportunity to graduate in years.

GENERAL EDUCATION AND COLLEGE REQUIREMENTS

Courses taken to fulfill the University General Education Requirements must be chosen from the approved General Education course list published in the Class Schedule or at <http://www.ou.edu/gened/courses>.

UNIVERSITY-WIDE GENERAL EDUCATION (MINIMUM 40 HOURS) AND COLLEGE REQUIREMENTS

Code	Title	Credit Hours
Core Area I: Symbolic and Oral Communications		
ENGL 1113	Principles of English Composition (Core I)	3
ENGL 1213	Principles of English Composition (Core I)	3
or EXPO 1213	Expository Writing	
COMM 1113	Principles of Communication	3
or COMM 2613	Public Speaking	
COMM 2213	Interpersonal Communication	3
Language (Core I) ¹		0-10
<i>Mathematics</i>		
MATH 1643	Functions and Modeling for Business, Life and Social Sciences	3
MATH 1743	Calculus I for Business, Life and Social Sciences ²	3
Core Area II: Natural Science		
Choose one of the following:		
GEOG 1114	Physical Geography (Core II)	4
Any approved Chemistry, Physics, or Biology course (Core II)		
METR 1014	Introduction to Weather and Climate (Core II)	4
METR 2603	Severe and Unusual Weather	3
Core Area III: Social Science ³		
P SC 1113	American Federal Government (Core III)	3
Core Area IV: Arts & Humanities		
HIST 1483	United States to 1865 (Core IV)	3
or HIST 1493	United States, 1865 to the Present	
One course from one of the following 3 fields (Core IV) must be upper-division:		
Choose one Artistic Forms course		3
Choose one Western Culture course		3
Choose one World Culture course		3
Core Area V: First Year Experience		
Choose one course		3
Total Credit Hours		47-57

- Students who have completed two years of high school language are exempt from the general education language requirement.
- Core I—Substitute: MATH 1823, Calculus & Analytic Geom. I or MATH 1914, Differential and Integral Calculus I
- Two courses, 6 hours, of Core III Social Science are required and one course must be P SC 1113. ECON 1113 or ECON 1123 will meet the other 3 hours of this requirement under Major Support.

FREE ELECTIVES

6 hours if exempt from language; 0 hours if two semesters of language must be taken. **Free electives may include specialized aviation courses.**

MAJOR REQUIREMENTS

Aviation majors must earn a minimum grade of C in aviation courses to be considered passing and move to the next requirement.

Code	Title	Credit Hours
Lower-Division Requirements (14 hours)		
AVIA 1111	Aviation Orientation	1
AVIA 1113	Introduction to Aviation	3
AVIA 1222	Primary Flying	2
AVIA 2231	Advanced Flying	1
AVIA 2341	Secondary Flying	1
AVIA 2513	The History of Aviation	3
AVIA 2613	Aviation Safety	3
Upper-Division Requirements (32 hours)		
AVIA 3013	Career Development for Aviation Professionals	3
AVIA 3103	Flight Deck Environmental Issues	3
AVIA 3113	Commercial Aviation	3
AVIA 3133	Fundamentals of Instrument Flight	3
AVIA 3572	Instrument Flying	2
AVIA 3581	Multi-Engine Flying	1
AVIA 4313	Turbine Transition	3
AVIA 4423	Crew Resource Management	3
AVIA 4552	Commercial Flying	2
AVIA 4663	Survey of Aerospace Ethical Issues	3
AVIA 4713	Senior Capstone	3
AVIA 4983	Airline Management	3
Total Credit Hours		46

MAJOR SUPPORT

Code	Title	Credit Hours
ACCT 2113	Fundamental Financial Accounting	3
ECON 1113	Principles of Economics-Macro (Core III-SS)	3
ECON 2843	Elements of Statistics	3
or PSY 2003	Understanding Statistics	
or COMM 2513	Introduction to Statistics	
or SOC 3123	Social Statistics	
or MATH 4753	Applied Statistical Methods	
FIN 2303	Business Finance	3
MIS 2113	Computer-Based Information Systems	3
MGT 3013	Principles of Organization and Management	3
MKT 3013	Principles of Marketing and Supply Chain Management	3
Total Credit Hours		21

SPECIALIZED AVIATION ELECTIVES

Students are not required to complete all electives listed, but may choose to do so for additional training.

ADDITIONAL REQUIREMENTS

- Maintaining less than a 2.25 GPA, or failure to complete the required math sequence each semester will result in academic probation.
- The maximum number of aviation hours accepted by transfer is twelve.
- A maximum of nine hours of aviation may be accomplished through advanced standing.
- A total of 55 hours of liberal arts coursework is required.

More information in the catalog: (<http://ou-public.courseleaf.com/atmospheric-geographic-sciences/aviation/aviation-professional-pilot-track-bachelor-science/>).

INFORMATION CONCERNING GENERAL RULES, REGULATIONS AND MINIMUM REQUIREMENTS FOR UNDERGRADUATE DEGREES

Total Hours: A minimum of 120 semester hours acceptable toward graduation must be completed.

Upper-Division Hours: A minimum of 40 upper- division semester hours acceptable toward graduation must be completed. OU courses numbered 3000 or above are upper- division. Transfer work is counted as lower-division or upper-division credit depending on the level at which it was offered at the institution where it was earned. Two-year college work is accepted only as lower-division credit.

Senior Institution Hours: A minimum of 60 semester hours applied toward graduation must be earned at senior (4-year) institutions.

Residency:

- A minimum of two semesters must be spent in residence in the College of Atmospheric and Geographic Sciences.
- At least 36 of the last 48 hours must be completed in residence at OU.

Individual Studies: No more than six hours of independent study or directed readings may be applied toward degree requirements.

Grade Point Averages: Students must earn a minimum overall 2.25 for each of the following: Combined Retention GPA (all college grades), OU Retention GPA, GPA for all major courses, and GPA for all major courses taken at OU.

SUGGESTED SEMESTER PLAN OF STUDY

Year	FIRST SEMESTER		Hours	SECOND SEMESTER		Hours
FRESHMAN	ENGL 1113	Principles of English Composition (Core I)	3	ENGL 1213 or EXPO 1213	Principles of English Composition (Core I) or Expository Writing	3
	MATH 1643	Functions and Modeling for Business, Life and Social Sciences	3	MATH 1743	Calculus I for Business, Life and Social Sciences	3
	AVIA 1111	Aviation Orientation	1	COMM 1113 or COMM 2613	Principles of Communication or Public Speaking	3
	AVIA 1113	Introduction to Aviation	3	AVIA 2231	Advanced Flying	1
	AVIA 1222	Primary Flying	2	AVIA 2513	The History of Aviation	3
		First-Year Experience (Core V)	3	ECON 1113	Principles of Economics-Macro (Core III-SS)	3
	CREDIT HOURS		15	CREDIT HOURS		16
SOPHOMORE	METR 1014	Introduction to Weather and Climate (Core II)	4	FIN 2303	Business Finance	3
	ACCT 2113	Fundamental Financial Accounting	3	GEOG 1114	Physical Geography (Or any approved Chemistry, Physics, or Biology course)	4
	AVIA 2341	Secondary Flying	1	AVIA 3572	Instrument Flying	2
	AVIA 2613	Aviation Safety	3	AVIA 3133	Fundamentals of Instrument Flight	3
	ECON 2843 or PSY 2003	Elements of Statistics or Understanding Statistics	3	HIST 1483 or HIST 1493	United States to 1865 (Core IV) or United States, 1865 to the Present	3
		CREDIT HOURS		14	CREDIT HOURS	
JUNIOR	METR 2603	Severe and Unusual Weather	3	COMM 2213	Interpersonal Communication	3
	MIS 2113	Computer-Based Information Systems	3	MGT 3013	Principles of Organization and Management	3
	AVIA 3013	Career Development for Aviation Professionals	3	AVIA 3103	Flight Deck Environmental Issues	3
	AVIA 4552	Commercial Flying	2	AVIA 3581	Multi-Engine Flying	1
	AVIA 3113	Commercial Aviation	3	AVIA 4663	Survey of Aerospace Ethical Issues	3
					Western Culture (Core IV-WC)	3
	CREDIT HOURS		14	CREDIT HOURS		16
SENIOR	MKT 3013	Principles of Marketing and Supply Chain Management	3	AVIA 4713	Senior Capstone	3
	AVIA 4313	Turbine Transition	3	AVIA 4423	Crew Resource Management	3
	AVIA 4983	Airline Management	3		Artistic Forms (Core IV-AF)	3
	P SC 1113	American Federal Government (Core III)	3		World Culture - Upper-Division (Core IV-WDC)	3
		Free Elective	3		Free Elective	3
		CREDIT HOURS		15	CREDIT HOURS	

- For those students who did not successfully complete two years of the same language in high school, six hours of free electives will be replaced with two semesters of the same college-level language.
- This plan of study should not be used in lieu of academic advisement.

SPECIALIZED AVIATION ELECTIVES

Students are not required to complete all electives listed below, but may choose to do so for additional training.

Code	Title	Credit Hours
AVIA 3111	Advanced Flight Maneuvers	1
AVIA 3333	Survey of Aviation Law	3
AVIA 3513	Airport Operations Management	3
AVIA 4113	CFI Seminar	3
AVIA 4602	Flight Instructor-Airplane	2
AVIA 4613	Instrument Flight Instructor	3
AVIA 4803	Aviation Mental Health: Psychological Implications for Air Transportation	3
AVIA 4990	Special Studies in Aviation	1-4