

Major Course Requirements

A minimum of 106 hours (59 upper-division hours)

► **Required Core Courses (94 hours):**

AVIA 120	Flight Operations	2
AVIA 123	Aviation Law & Regulations I	3
AVIA 124	ATC/Airspace I	2
AVIA 173	Meteorology	4
AVIA 176	Private Pilot I	5
AVIA 177	Private Pilot II	5
AVIA 178	Private Pilot III	5
AVIA 223	Aviation Law & Regulations II	3
AVIA 224	ATC/Airspace II	2
AVIA 276	Instrument Rating I	5
AVIA 277	Instrument Rating II	5
AVIA 278	Instrument Rating III	5
AVIA 279	Aerodynamics and Performance I	3
AVIA 305	Aircraft Systems I	3
AVIA 376	Commercial Pilot I	8
AVIA 377	Commercial Pilot II	8
AVIA 378	Commercial Pilot III	8
AVIA 379	Aerodynamics & Performance II	3
AVIA 396	Aviation Colloquium	4-6
AVIA 405	Aircraft Systems II	3
AVIA 477	Human Factors & Aviation Safety I	4
AVIA 479	Human Factors & Aviation Safety II	4

► **Required Core Electives (12 hours):**

At least 12 hours from the following:

AVIA 302	Flight Simulation Challenge (1)	12
AVIA 350	Mission Flying Theory and Flight (2)	
AVIA 375	Flight Instructor Theory (4)	
AVIA 402	Simulation Innovation (2)	
AVIA 460	Professional Skills for Pilots (2)	
AVIA 468	Flight Instructor Flight Training (3)	
AVIA 470	Fundamentals of Instruction (1)	
AVIA 472	Instrument Instructor Flight (7)	
AVIA 473	Advanced Practicum in Flight (1-12)	
AVIA 476	Add-on Class Rating (4)	
AVIA 478	Add-on CFI Rating (4)	

Recommended Minor:

A minor in Business Administration is recommended.

Recommended Courses:

The following courses are recommended:

Mission Aviation:

ANTH 124, AVIA 350, COMM 330, EMER 104-105, PREL 337, RELH 311, RELP 235, 319, SOWK 121

Commercial Aviation:

AVIA 460, COMM 223, 330, ECON 261, MGMT 361, 465

Student Learning Outcomes

Students can:

- Have the aeronautical knowledge, flight proficiency and experience needed to successfully complete the FAA Private Pilot License, Instrument Rating, and Commercial Multi-engine and Single-engine licenses, and Instructor Ratings.
- Exemplify the comportment of a professional aviator.
- Utilize critical thinking skills and apply these skills to aeronautical decision making (ADM).
- Demonstrate excellent technical flying ability.
- Competently communicate across the spectrum of the aviation field.

Occupational Information

What can I do with this major?

Graduates of this program may work as pilots flying for humanitarian organizations, aerial photography, sky diving, crop dusting, sight seeing tours, flying cargo, charter, and the airlines. Most of these pilot jobs are based on the amount of flight hours the pilot has accumulated.

Public Sector vs. Denominational

While most jobs are in the public sector, there are opportunities for mission aviation through denominational or independent support ministry organizations.

Job Outlook

The need for pilots is expected to increase in the coming years as more and more pilots reach retirement age. However, in the short term, employment opportunities for pilots are sensitive to changes in the economy.

General Education Requirements

To view general education requirements for this major, please refer to page A-01, Summary of General Education Requirements: B.S. Degree.

How to Construct Your Own Program

1. Apply to the Aviation Program.
2. Consult with your academic advisor.
3. Schedule major courses and cognates first.
4. Fill the rest of your schedule with G.E. requirements.
5. For the freshman year, include English, Religion, and PE courses. Also include Basic Algebra I+II unless waived by previous work.

What the Degree Includes

A total of 180 quarter hours including:

1. A minimum of 60 upper division hours.
2. General Education requirements.
3. Major requirements.
4. Minimum 2.0 GPA, overall and major.

For More Information

Aviation Program
Pacific Union College
One Angwin Avenue
Angwin, CA 94508
(707) 965-6219

Email: flightcenter@puc.edu
Website: puc.edu/aviation

Sample Four-Year Program

This sample curriculum is designed to show you how a program may be constructed and to help you select a proper sequence of courses in the major. It is not likely that these courses can always be taken in the order given. Your advisor will help you design a personalized program of studies.

First Year	F	W	S
Flight Operations	2	-	-
Meteorology	4	-	-
Private Pilot I	5	-	-
Private Pilot II	-	5	-
Private Pilot III	-	-	5
ATC/Airspace I (even)*	-	2	-
Aviation Law & Regulations I (odd)*	-	3	-
Colloquium	0.5	0.5	0.5
College English I, II	4	4	-
Exercise Science Activity Courses	-	1	1
General Education/Electives	-	3	10
	15.5	18.5	16.5
Second Year	F	W	S
Instrument Rating I	5	-	-
Instrument Rating II	-	5	-
Instrument Rating III	-	-	5
ATC/Airspace II (odd)*	-	2	-
Aviation Law & Regulations II (even)*	-	3	-
Human Factors & Aviation Safety I	-	4	-
Practicum in Flight	-	1	-
Colloquium	0.5	0.5	0.5
General Education/Electives	11	-	11
	16.5	15.5	16.5
Third Year	F	W	S
Commercial Pilot I	8	-	-
Commercial Pilot II	-	8	-
Commercial Pilot III	-	-	8
Aircraft Systems I (even)*	-	3	-
Aerodynamics & Performance I (odd)*	-	-	3
Colloquium	0.5	0.5	0.5
General Education/Electives	8	5	5
	16.5	16.5	16.5
Fourth Year	F	W	S
Professional Skills for Pilots (odd)*	-	2	-
Flight Instructor Flight Training	3	3	-
Human Factors & Aviation Safety II	-	4	-
Aerodynamics & Performance II (even)*	-	-	3
Senior Assessment Seminar	-	-	0.2
Colloquium	0.5	0.5	0.5
Aircraft Systems II (odd)*	-	-	3
General Education/Electives	13	7	8
	16.5	16.5	16.

* Courses marked (even) or (odd) are taught in alternate years only. 2025-2026 is even, 2026-2027 is odd.