

Major Course Requirements

A minimum of 68 hours (33 upper-division hours)

► **Required Core Courses (60 hours):**

AVIA 141	Applied Electronics	3
AVIA 172	Electronics and Fuel Systems	2
AVIA 173	Meteorology	3
AVIA 175	Private Pilot Theory	4
AVIA 176	Private Flight Training	2
AVIA 177	Intermediate Private Flight Training	2
AVIA 178	Advanced Private Flight Training	2
AVIA 275	Instrument Pilot Theory	4
AVIA 276	Instrument Flight Training	3
AVIA 278	Advanced Instrument Flight Training	4
AVIA 305	Aircraft Systems	4
AVIA 375	Commercial and CFI Theory	4
AVIA 376	Commercial Flight Training	2
AVIA 377	Intermediate Commercial Flight Training	2
AVIA 378	Advanced Commercial Flight Training	2
AVIA 379	Aerodynamics	2
AVIA 460	Professional Skills for Pilots	2
AVIA 468	Beginning Flight Instructor Flight Training	3
AVIA 469	Advanced Flight Instructor Flight Training	3
AVIA 470	Fundamentals of Flight Instruction	1
AVIA 476	Add-on Class Rating	2
AVIA 477	Human Factors in Aviation	2
AVIA 478	Add-on CFI Rating	2

► **Required Core Electives (8 hours):**

At least 8 hours from the following:	8	
AVIA 273	Practicum in Flight (1-6)	
AVIA 350	Mission Flying Theory and Practice (2)	
AVIA 450	Advanced Aircraft Systems (2)	
AVIA 472	Instrument Instructor Flight Training (3)	
AVIA 473	Advanced Practicum in Flight (1-6)	

Recommended Minor:

A minor in Business Administration is recommended for aviation majors.

Recommended Courses:

For students with a given interest, 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 450, COMM 223, 330, ECON 261, 332, MGMT 261, 361, 465

Recommended Field Experience:

It is recommended that all students majoring in Aviation should have completed, by the end of winter quarter of their senior year, 500 hours of flight time.

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

Additional Education Required?

Most flight jobs will require a flight checkout in the type of aircraft to be flown.

Public Sector vs. Denominational

While most jobs are in the public sector, there are opportunities for mission aviation through denominational organizations, such as Adventist World Aviation (AWA).

Job Outlook

Favorable. 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 192 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: www.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.

	F	W	S
First Year			
Meteorology	3	-	-
Private Pilot Theory	4	-	-
Private Flight Training	2	-	-
Intermediate Private Flight Training	-	2	-
Advanced Private Flight Training	-	-	2
Applied Electronics (odd)*	-	3	-
Practicum in Flight	-	-	6
College English I, II	4	4	-
Religion Courses	3	3	3
Exercise Science Activity Courses	-	1	1
General Education/Electives	-	3	4
	16	16	16
Second Year			
Instrument Pilot Theory	-	4	-
Instrument Flight Training	3	-	-
Advanced Instrument Flight	-	-	4
Aircraft Systems (even)*	-	4	-
Commercial & CFI Theory	-	-	4
Electronic & Fuel Systems (even)	-	3	-
General Education/Electives	13	5	8
	16	16	16
Third Year			
Commercial Flight Training	2	-	-
Intermediate Commercial Flight	-	2	-
Advanced Commercial Training	-	-	2
Fundamentals of Flight Instruction	-	-	1
Aerodynamics (even)	-	2	-
General Education/Electives	14	10	13
	16	16	16
Fourth Year			
Human Factors (odd)	-	-	2
Professional Skills for Pilots (odd)	-	2	-
Flight Instructor Flight Training	3	3	-
Add-On Class Rating	-	2	-
Add-On CFI Rating	-	-	2
Senior Assessment Seminar	-	-	0.2
General Education/Electives	13	9	12
	16	16	16.2

* Courses marked (even) or (odd) are taught in alternate years only. 2020-2021 is odd, and 2021-2022 is even.