Pacific Union College

Major in Aviation: A.S.

AVIA-01

2023-2024

Major Course Requirements

A minimum of 42 hours

➤ *Required Core Courses (42 hours):*

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 376	Commercial Flight Training	2
AVIA 377	Intermediate Commercial Flight Training	2
AVIA 378	Advanced Commercial Flight Training	2
AVIA 379	Aerodynamics	2
AVIA 476	Add-on Class Rating	2
AVIA 477	Human Factors in Aviation	2

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.
- 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 flying for 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.

Additional Education Required?

Most flight jobs will require a flight check 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.

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General Education Requirements

To view general education requirements for this major, please refer to page A-07, Summary of General Education Requirements: A.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 90 quarter hours including:

1. General Education requirements.
2. Major requirements.
3. 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 Two-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. It is highly recommended that students trying to complete the course work in two years plan on flying over the summer to take advantage of prime weather.

First Year	**F**	**W**	**S**
Meteorology	3		-
Private Pilot Theory	4	-	-
Private Flight Training	2	-	-
Intermediate Private Flight Training	-	2	-
Advanced Private Flight Training	-	2	-
Instrument Flight Training	-	-	3
Instrument Pilot Theory	-	4	-
College English I	4	-	-
Religion Courses	3	-	3
Exercise Science Activity Course	-	1	-
General Education/Electives	-	7	10
	16	16	16

Second Year	**F**	**W**	**S**
Advanced Instrument Flight	4	-	-
Aircraft Systems (even)*	-	4	-
Elect & Fuel Systems (even)*	-	2	-
Commercial Flight Training	-	2	-
Intermediate Commercial Flight	-	2	-
Advanced Commercial Training	-	-	2
Add-On Class Rating	-	-	2
Aerodynamics (even)*	-	2	-
Human Factors (odd)*	-	-	2
Assessment Seminar	-	-	0.1
General Education/Electives	12	4	10
	16	16	16.1

* *Courses marked (even) or (odd) are taught in alternate years only. 2023-2024 is even, 2024-2025 is odd.*