

Pacific Union College

Major in Aviation—B.S.

OCCUPATIONAL INFORMATION

Our Mission:

The mission of the Pacific Union College Aviation Program is to assist students in becoming not only excellent pilots but also exceptional people. The program is designed to prepare Christ-centered pilots for lives of service and to instill in them a life-long appreciation for the unique art and science of aviation.

Our Training:

Training includes theory, ground and flight instruction to obtain pilot certificates and ratings from Private Pilot through Commercial Pilot and multi-engine Flight Instructor. Emphasis is placed on human factors and flight safety. Quality multi-engine time-building and specialized mission-pilot training is available.

Our Denominational Opportunities:

In keeping with the Gospel Commission of the Seventh-day Adventist Church, Adventist World Aviation is eager to partner with dedicated Christian pilots to provide essential aerial support around the globe.

Our Commission:

Although aviation is a growth industry, our pilots are encouraged to broaden their career prospects by considering a non-traditional flying career. In addition to corporate, charter and airline flying, great needs have developed in areas such as medical evacuation, search and rescue, and essential air support. This unmet need is especially felt in areas where transportation is extremely limited. Missionary aviation flying is an essential component of Christ's mandate to disciple others. God seeks highly educated, disciplined, service oriented pilots who will be faithful to His calling regardless of individual career path.

Our Admission Requirements:

Application packets are available at the Flight Center or on-line. Requirements include:

Recommended Field Requirements:

It is recommended that all students majoring in Aviation complete 1,000 hours of flight time, including 100 hours in multi-engine aircraft related to this emphasis and performed under approved supervision.

MAJOR REQUIREMENTS

Major in Aviation—B.S. A minimum of 68 hours including 31 in the upper division.

| | | |
|----------|---|---|
| AVIA 170 | Professional Skills for Pilots | 2 |
| AVIA 172 | Electronics and Fuel Systems | 2 |
| AVIA 173 | Meteorology | 4 |
| 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 | 2 |
| 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 470 | Fundamentals of Flight Instruction | 1 |
| AVIA 471 | Flight Instructor Flight Training | 4 |
| AVIA 472 | Instrument Instructor Flight Training | 3 |
| AVIA 476 | Add-on Class Rating | 2 |
| AVIA 477 | Human Factors in Aviation | 3 |
| AVIA 478 | Add-on CFI Rating | 2 |
| ELEC 141 | Applied Electronics | 3 |

A minor in Aviation requires 30 credits in Aviation, selected in conjunction with the Flight Center Director, none of which must be upper division.

For More Information

Aviation Program
Pacific Union College
1 Angwin Ave.
Angwin, CA 94508 (707) 965-6219

Visit our Web site: <http://www.puc.edu/angwinairport>

SUMMARY OF GENERAL EDUCATION

Note: The following is a brief summary of General Education requirements. For more info, please refer to the PUC Catalog.

Foundations of Learning

ENGL 101-102 College English (4-4)
 Speech course: To be chosen from list (3)
 STAT 222 Introduction to Statistics (4)

Human Identity in Cultural Contexts

HIST 101-102 History of World Civilizations
 or HIST 134-135 (4-4)
 Philosophy course: To be chosen from list (3)
 Two social sciences courses: To be chosen from list (7)
 Foreign Language: Intermediate-level or option
 (BS does not require a foreign language study)

Insights of the Imagination

Literature: ENGL 301 Great Books (4)
 Art history course: To be chosen from list. (3)
 Music history course: To be chosen from list (3)

The Natural World: Introductory-level

Algebra: A full year of Algebra II with a grade of C- or better at the secondary level or the following:
 MATH 096 Intermediate Algebra
The algebra requirement should be completed by the end of the sophomore year.
 One year of each Science (C- or better for high school):
 H.S. biology or BIOL 105 Intro to Biology (5)
 H.S. chemistry or CHEM 101 Introductory Chemistry (4)
 H.S. physics or PHYS 105 Introduction to Physics (5)

The Natural World: College-level

Scientific Inquiry: GSCI 205 Scientific Revolutions (3)
 Laboratory science course: To be chosen from list (4)
(Note: Completion of a science sequence will satisfy both Scientific Inquiry and Insight Through Investigation. See Catalog for appropriate sequences.)
 Science, Technology, and Culture: To be chosen from list (3)

Revelation, Belief, and Action

Sixteen to Eighteen quarter hours distributed as follows:
 Minimum: 6 hours of courses with RELB prefixes
 Maximum: 9 hours of lower division will apply
 For transfer students from public colleges, this requirement is prorated:
 Sophomores—14, Juniors—10, Seniors—6

Health and Fitness

One health course: To be chosen from list (2)
 Four ESAC courses including one aerobics (4)
 Transfer students: One for each year in residence at PUC

Skills for Daily Living:

Select 4 units from 2 or more categories. To be chosen from the list (4)

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 | A | W | S |
|--------------------------------------|----|----|----|
| Professional Skills for Pilots | - | 2 | - |
| Meteorology | 4 | - | - |
| Private Pilot Theory | 4 | - | - |
| Private Flight Training | 2 | - | - |
| Intermediate Private Flight Training | - | 2 | - |
| Advanced Private Flight Training | - | - | 2 |
| Applied Electronics | - | - | 3 |
| Practicum in Flight | - | - | 6 |
| College English | 4 | 4 | - |
| Religion | 2 | 2 | 2 |
| Exercise Science | - | 1 | 1 |
| General Education/Electives* | - | 5 | 2 |
| | 16 | 16 | 16 |

| Second Year | A | W | S |
|---|----|----|----|
| Instrument Pilot Theory | 4 | - | - |
| Instrument Flight Training | 2 | - | - |
| Intermediate Instrument Flight Training | - | 3 | - |
| Advanced Instrument Flight | - | - | 2 |
| Aircraft Systems | - | 4 | - |
| Commercial & CFI Theory | - | 4 | - |
| Auto Elect & Fuel Systems | - | 3 | - |
| General Education/Electives* | 10 | 2 | 14 |
| | 16 | 16 | 16 |

| Third Year | A | W | S |
|------------------------------------|----|-----|----|
| Commercial Flight Training | 2 | - | - |
| Flight Instructor Flight Training | - | - | 4 |
| Intermediate Commercial Flight | - | 2 | - |
| Advanced Commercial Training | - | - | 2 |
| Fundamentals of Flight Instruction | - | 1 | - |
| Aerodynamics** | - | 2 | - |
| General Education/Electives* | 14 | 7-9 | 10 |
| | 16 | 16 | 16 |

| Fourth Year | A | W | S |
|---------------------------------------|----|----|----|
| Instrument Instructor Flight Training | - | 3 | - |
| Human Factors | - | - | 4 |
| Class Add-on Flight Training | - | 2 | - |
| Class Add-on Instructor Flight | - | - | 2 |
| General Education/Electives* | 16 | 11 | 10 |
| | 16 | 16 | 16 |

*See "Summary of General Education"

**Alternate year courses

How to Construct Your Own Program

1. Apply to Aviation Program.
2. Counsel with your 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.

What the Degree Includes

- A total of 192 quarter units including:
1. A minimum of 60 upper division units.
 2. General Education requirements.
 3. Major requirements.
 4. Minimum 2.0 GPA, overall and major.