

Aircraft Airframe Mechanics Certificate

Full-Time, Fall Start

www.pima.edu/aircraft-airframe-cert

The PCC Aircraft Airframe Mechanics certificate builds on the skills learned in the Aircraft General Mechanics certificate courses. Students learn how to inspect, assemble and repair aircraft sheet metal and composite structures, as well as how to inspect, service, install and repair aircraft support systems, and how to inspect, service, install and troubleshoot aircraft instruments and communication/navigation equipment.

Special Admissions Program: You are not fully admitted to this program until you have fulfilled the requirements listed above and below and have been officially admitted to the program. See the Aviation Program Assistant for details.

Students must complete courses in a specific order per 14 CFR, Part 147. See Aviation Program Assistant or Applied Technology Advisor for more information regarding this requirement.

Title IV Financial Aid eligibility: Yes

What can I do with this degree?

Career options: Combine with the General Mechanics (and Powerplant) certificates for an entry-level position in aircraft building, maintenance, and repair.

Academic options: Continue your studies by taking additional aviation certificates or the Aviation Technology AAS degree.

CHOOSE YOUR COURSES WITH YOUR COLLEGE ADVISOR

Placement

Students must meet prerequisite standards before taking the AVM courses in the pathway below. If you are not prepared for these courses based on placement results you will need to take courses to build your skills prior to taking them. The sequence of courses follows.

Math: ICS 081 > MAT 092

Reading: ACL 080 > REA 091

Semester Pathway

This pathway is a suggested sequence of courses for your program of study. Work with an advisor to develop a unique pathway for you based on your placement recommendations, any prior college courses, and your specific situation.

NOTE: This pathway also includes the courses required for the General Mechanic Certificate, which is a prerequisite to the Aircraft Airframe Mechanics Certificate.

Semester 1 - Fall (Semester Total: 5.5 credits)

AVM 202: Aviation Safety (2.5 credits)

GTM 105V: Applied Technical Mathematics for Aviation (3 credits)

Semester 2 - Spring (Semester Total: 16.5 credits)

AVM 110: Aircraft Blueprint Reading (3 credits)

AVM 114: Regulatory Requirements (3 credits)

AVM 205: Motion Dynamics (2.5 credits)

AVM 206: Materials and Processes (3 credits)

AVM 207: Weight and Balance (1.5 credits)

AVM 208: Basic Electricity (3.5 credits)

Semester 3 - Summer (Semester Total: 12 credits)

AVM 209: Intermediate Electricity (3.5 credits)

AVM 211: Alternative Structures (3.5 credits)

AVM 218: Airframe Rigging and Landing Gear System (2.5 credits)

AVM 223: Hydraulic and Pneumatic Power (2.5 credits)

Semester 4 - Fall (Semester Total: 14.5 credits)

AVM 105: Aircraft Sheetmetal Repair (3.5 credits)

AVM 130: Aircraft Composite Repair (3.5 credits)

AVM 219: Airframe Inspections (2.5 credits)

AVM 224: Atmospheric Controls (2.5 credits)

AVM 225: Fire, Ice, Rain, and Fuel Systems (2.5 credits)

PROGRAM TOTAL: 48.5 credits

Program/Major Codes: **CRTAAM/9AAM**

**Find more information about this program at:
www.pima.edu/aircraft-airframe-cert**