Aviation Technology
Associate of Applied Science
Airframe Mechanics Concentration

Full-Time, Fall Start

www.pima.edu/aviation-aas

Basic skills that all graduates learn are common safety practices used when working on and around aircraft and related support equipment, how to identify and use applicable maintenance publications and documents, and knowledge and understanding of Federal Aviation Administration regulations.

Special Admissions Program: In order to be fully admitted to this program, you must fulfill the requirements listed on the program website. See the website or an advisor for details.

Students pursuing the Airframe Mechanics and/or Powerplant concentrations must complete courses in a specific order per 14 CFR, Part 147. See the 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: Work in the aircraft industry as an Aviation Maintenance Technician.

Academic options: This program may apply toward a Bachelor of Applied Science (BAS). See an advisor

CHOOSE YOUR COURSES WITH YOUR COLLEGE ADVISOR

Placement

Students must meet prerequisite standards before taking GTW 101, the AVM courses, and to meet the Math Competency 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

If WRT 101 or 154 is chosen, additional coursework may be needed.

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.

General Education Note: When General Education (Gen. Ed.) credits are listed below, select from the appropriate General Education course list linked from the program website. Some programs recommend specific courses.

For this pathway, ensure that one Gen. Ed. course fulfills the C or G requirement.

Semester 1 - Fall (Semester Total: 12.5 credits)
STU 100: College Study Skills (1.0 credit)
Gen. Ed.: CTE Communication List. Recommend GTW 101: Writing for Trades and Technical Occupations (3.0 credits)
Gen. Ed.: CTE Arts & Humanities List. Recommend PHI 101: Introduction to Philosophy (3.0 credits)
AVM 202: Aviation Safety (2.5 credits)
GTM 105V: Applied Technical Mathematics for Aviation (3.0 credits)

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Semester 2 - Spring (Semester Total: 16.5 credits)
AVM 110: Aircraft Blueprint Reading (3.0 credits)
AVM 114: Regulatory Requirements (3.0 credits)
AVM 205: Motion Dynamics (2.5 credits)
AVM 206: Materials and Processes (3.0 credits)
AVM 207: Weight and Balance (1.5 credits)
AVM 208: Basic Electricity (3.5 credits)

Semester 3 - Summer (Semester Total: 12.0 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 224: Atmospheric Controls (2.5 credits)
AVM 225: Fire, Ice, Rain, and Fuel Systems (2.5 credits)

AVM 219: Airframe Inspections (2.5 credits)
Semester 5 - Spring (Semester Total: 6.0 credits)
Gen. Ed.: CTE Social & Behavioral Sciences List. Recommend HIS 101 Introduction to Western Civilization I (3.0 credits)
Gen. Ed.: CTE Other List. Recommend CIS/CSA 104: Computer Fundamentals (3.0 credits)

PROGRAM TOTAL: 61.5 credits

Program/Major/Concentration Codes: **AASAVIATION/AVM1/AVMR**

Find more information about this program at:
www.pima.edu/aviation-aas