



ABOUT THIS MAJOR

This program provides an in-depth understanding, “hands-on” experience and principles in powerplant operation.

This course entails the following subjects: reciprocating engines, turbines, lubrication systems, engine fuel systems, fuel metering systems, induction systems,

ignition systems, engine electrical systems, engine cooling

systems, engine exhaust system, engine instrument systems, engine fire protection systems and propellers. Depending on the individuals’ aircraft experience and previous licenses, some individuals will have to qualify for the General Aircraft Maintenance certificate in order to receive the FAA Aircraft Powerplant Certificate of completion. Contact instructor for further information. Students who successfully complete the certificate requirements may apply for entry-level positions as aircraft powerplant mechanics, aviation maintenance technicians, aircraft engine inspectors, or aviation maintenance support personnel, consistent with applicable FAA requirements and employer qualifications.

For more information on Aeronautical & Aviation Technology, visit the [Aerospace, Industrial Arts and Applied Technologies \(CTE\)](#) division.

TO EARN A DEGREE A STUDENT MUST COMPLETE THE FOLLOWING:

[[1] Completion of Major & Program Electives Courses

[2] Minimum grade point average of 2.0

[3] A C or better in all courses required for the major

Cert. -Aircraft Powerplant (AAT3)

[Total Units Required in the major 30]

Required Courses, complete ALL courses (total 30 units)	
AERO240 - Aircraft Powerplant I	15
AERO241 - Aircraft Powerplant II	15
Prerequisite: Completion of AERO 240	

RECOMMENDED PATHWAY

Cert. Aircraft Powerplant

The Recommended Plan of Study is determined by the discipline faculty. Take classes in **Summer** or **Intersession** if needed to complete your degree in a timely manner!

Fall/Spring: Max 19 units | **Summer:** Max 9 units | **Intersession:** Max 6 units

SEMESTER 1 (Fall-1)	
Course	Units
AERO 240	15
Total Units	15

SEMESTER 2 (SPRING -1)	
Course	Units
AERO 241	15
Total Units	15

TOTAL DEGREE UNITS	30
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Counseling Notes

AERO 240 : **Fall Only** - course is available exclusively in the fall semester.

AERO 241 : **Spring Only** -course is available exclusively in the spring semester.

AERO 240 & 241 Intended for students who wish to attain FAA Powerplant Mechanic Certificate.

Career Opportunities & Licensure

Students seeking full FAA Airframe and Powerplant (A&P) licensure must complete all major coursework within the Aeronautical & Aviation Technology (AERO) program. Completion of these certificate requirements prepares students for entry-level roles consistent with FAA requirements and employer qualifications, including AERO 120, 121; program elective),230,231,240 & 241

COUNSELING NOTE SECTION

Prerequisite: If a course is listed as a prerequisite for another course, that prerequisite course must be completed with a satisfactory grade to enroll in the next course. A satisfactory grade is a grade of “A,” “B,” “C” or “P”. Students who enroll in classes for which they do not meet the prerequisites will be involuntarily dropped. Students will be notified of this involuntary drop. Title 5, Section 55200(d)

Application for Graduation:

Antelope Valley College awards degrees three times annually following the Fall, Spring, and summer semesters. Students must apply for graduation to earn their degree or certificate. **Applications are due by September 6 for spring/summer graduates and by February 14 for fall graduates.**

AVC 26-27 CATALOG: [ACADEMIC POLICIES](#)

INFORMATION and RESOURCES

Tutoring Assistance
Transfer Center

Career Center
Office of Students with Disabilities

AVC Student Health Services
Palmdale Center

Basic Needs

Financial Aid

Counseling Division