Degrees and Certificates Offered:

- Aviation Maintenance Technology: Associate in Science (A.S.), Certificate of Achievement
- Airframe: Certificate of Achievement
- Powerplant: Certificate of Achievement

Aviation Maintenance Technology

A.S. Degree or Certificate of Achievement

Students will have job entry skills for the following occupations: aviation mechanic, aircraft serviceperson, repair or sales of aircraft accessories, airframe specialist.

Courses in the Aviation Technology Department are currently offered only during the day.

Students who have completed all of the AMT coursework will have satisfied Area B-1 of the general education requirements for the associate degree using the Gavilan College and CSU Breadth General Education patterns or the IGETC (Areas 2 and 5) for an associate degree only.

To receive an ASSOCIATE DEGREE complete:

REQUIRED COURSES listed below.

GENERAL EDUCATION REQUIREMENTS.

To receive a CERTIFICATE OF ACHIEVEMENT complete the: REQUIRED COURSES listed below.

REQUIREMENTS:

AMT 100  General Aircraft Technology (7.5 units)
AMT 101  General Aircraft Technology (7.5 units)
AMT 110  Airframe Maintenance Technology (13.5 units)
AMT 111  Airframe Structures (13.5 units)
AMT 120  Aviation Powerplant Technology (14 units)
AMT 121  Aviation Powerplant Systems Technology (14 units)

Recommended Electives: CSIS 1

Total required for certificate: 70 units

Plus GE requirements: units vary

Total required for A.S. degree: a minimum of 119 units

Contact:
(408) 848-4701
cte@gavilan.edu

General Education requirements: A student may complete the Gavilan College A.A./A.S. general education, the CSU-GE Breadth or the IGETC pattern, plus sufficient electives to meet a 60 unit total. See pages 49-57 or see a counselor for details.

NOTE: A course may be used to satisfy both general education and major courses. See "Double Counting Rule" on page 47.
**Airframe Certificate of Achievement**

Students receiving the certificate will have job entry skills for the following occupations: Aviation mechanic; aircraft serviceperson; repair or sales of aircraft accessories; airframe specialist.

The skills learned in the program also prepare graduates for employment in fields such as aircraft manufacturing, electronics, hydraulics, welding, sheet metal, electrical systems, pneumatics, fuel systems, automotive repair, civil and military defense.

This certificate is designed to prepare students to qualify for the airframe certificate issued by the Federal Aviation Administration. These courses include the following subjects: sheet metal structures, wood and fabric structures, aircraft airframe inspection, assembly and rigging, hydraulic and pneumatic systems, aircraft electrical systems, cabin atmosphere controls, fuel systems, ice and rain systems, fire protection systems, instrument systems, position and warning systems, landing gear systems, and navigation and communication systems.

All individuals will have to complete the General Aircraft Maintenance requirements in order to receive the FAA Aircraft Airframe Certificate of completion.

**REQUIREMENTS:**

- AMT 100: General Aircraft Technology (7.5 units)
- AMT 101: General Aircraft Technology (7.5 units)
- AMT 110: Airframe Maintenance Technology (13.5 units)
- AMT 111: Airframe Structures (13.5 units)

Recommended Electives: AMT 190

**Total units for Certificate of Achievement:** 42 units

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**Powerplant Certificate of Achievement**

Students receiving the certificate will have job entry skills for the following occupations: Aviation mechanic; aircraft serviceperson; repair or sales of aircraft accessories; powerplant specialist.

The skills learned in the program also prepare graduates for employment in fields such as aircraft manufacturing, electronics, hydraulics, welding, sheet metal, electrical systems, pneumatics, fuel systems, automotive repair, civil and military defense.

This certificate is designed to prepare students to qualify for the Powerplant certificate issued by the Federal Aviation Administration. These courses include 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 control systems, engine fire protection systems and propellers.

Students will have the opportunity to test run the engine that they repair. Students that complete this program may apply immediately to take the exams needed to obtain FAA Powerplant mechanic certificate.

**REQUIREMENTS:**

- AMT 100: General Aircraft Technology (7.5 units)
- AMT 101: General Aircraft Technology (7.5 units)
- AMT 120: Aviation Powerplant Technology (14 units)
- AMT 121: Aviation Powerplant Systems Technology (14 units)

Recommended Electives: AMT 190

**Total units for Certificate of Achievement:** 43 units