

AVIATION MAINTENANCE TECHNOLOGY

A.S. Degree and Certificate of Achievement

Aviation Maintenance Technology

Certificates of Achievement

Airframe

Powerplant

Contact:
(408) 848-4719
cte@gavilan.edu

The Aviation Program is accredited by the Federal Aviation Administration. The college grants a Certificate of Achievement for completion of the two-year course with a minimum GPA of 2.00 ("C"). The FAA requires a minimum of 1,150 hours of instruction to qualify for either the airframe license or the powerplant license. To qualify for both, 1,900 hours are required. These hours include both academic work and shop experience. Following completion of the Gavilan program, students are prepared for the FAA Mechanics Examination.

The skills learned in the program also prepare graduates for employment in fields such as welding, sheet metal, electrical systems, hydraulics, fuel systems, and automotive repair.

Aviation Maintenance Technology **A.S. Degree or Certificate of Achievement**

To receive an **ASSOCIATE'S DEGREE** complete:

- ▶ **REQUIRED COURSES** listed below.
- ▶ **GENERAL EDUCATION REQUIREMENTS**, (Gavilan, IGETC or CSU pattern), plus sufficient electives to meet a 60 unit total. See pages 48-56.

To receive a **CERTIFICATE OF ACHIEVEMENT** complete the:

- ▶ **REQUIRED COURSES** listed below.

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 Areas B-1, B-2, B-3 and B-4 of the general education requirements for the associate's degree using the Gavilan College and CSU Breadth General Education patterns or the IGETC (Areas 2 and 5) for an associate's degree only.

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	14.0	units
AMT 121	Aviation Powerplant Systems Technology	14.0	units
Total Units Required:		70.0	UNITS

Recommended Electives: AFT 122; CSIS 1; CGD 1

General Education Requirements: A student may complete the Gavilan College AA/AS general education, the CSU-GE Breadth or the IGETC pattern, plus sufficient electives to meet a 60 unit total. See pages 48-56 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 46.

Gainful Employment Statistics for Certificate

Name of Program: (if different than the CIP program description)	CA in Aviation Maint Tech	
Program Length: (in years)	2.50	
# of units/credits required for program:	70	
Total Tuition and Required Fees for the entire program completed in normal time:	CA Resident	Nonresident
	\$ 2,625	\$ 15,225
Total estimated costs for books and supplies for the entire program:	\$ 4,050	
Total room and board charges for living on campus:	College does not offer on-campus living.	
For more information visit the Gavilan College Gainful Employment website at http://www.gavilan.edu/gainful_employment . Fees based on fall 2011 per-unit rates.		

Airframe *Certificate of Achievement*

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
Total Units for Certificate of Achievement:		42.0 UNITS

Recommended Electives: AMT 190; AFT 122

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.

Gainful Employment Statistics for Certificate		
Name of Program: (if different than the CIP program description)	CA in AMT Airframe	
Program Length: (in years)	2.0	
# of units/credits required for program:	42	
Total Tuition and Required Fees for the entire program completed in normal time:	CA Resident	Nonresident
	\$ 1,606	\$ 9,156
Total estimated costs for books and supplies for the entire program:	\$ 3,240	
Total room and board charges for living on campus:	College does not offer on-campus living.	
For more information visit the Gavilan College Gainful Employment website at http://www.gavilan.edu/gainful_employment . Fees based on fall 2011 per-unit rates.		

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.

Powerplant *Certificate of Achievement*

AMT 100	General Aircraft Technology	7.5 units
AMT 101	General Aircraft Technology	7.5 units
AMT 120	Aviation Powerplant Technology	14.0 units
AMT 121	Aviation Powerplant Systems Technology	14.0 units
Total Units for Certificate of Achievement:		43.0 UNITS

Recommended Electives: AMT 190; AFT 122

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.

Gainful Employment Statistics for Certificate		
Name of Program: (if different than the CIP program description)	CA in AMT Powerplant	
Program Length: (in years)	2.00	
# of units/credits required for program:	43	
Total Tuition and Required Fees for the entire program completed in normal time:	CA Resident	Nonresident
	\$ 1,642	\$ 9,372
Total estimated costs for books and supplies for the entire program:	\$ 3,240.	
Total room and board charges for living on campus:	College does not offer on-campus living.	
For more information visit the Gavilan College Gainful Employment website at http://www.gavilan.edu/gainful_employment . Fees based on fall 2011 per-unit rates.		

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.