



College of Alameda

2021-22 Annual Program Update - AMT

Program Overview

Please provide your program's mission statement and program's learning outcomes

The Mission of the program is to train and certify students of diverse cultural background, ethnicity, gender, and sexual orientation under the guidelines and policies from the Federal Aviation Administration for Technical Maintenance personnel, and to empower students to enter the field of aviation as maintenance technicians

List your program faculty and/or staff

Full time faculty – (1) Hoi Ko, (2) Robert Bruce Pettyjohn, (3) George Cruz
Part Time (adjunct) faculty – (1) Marquis Bosuego, (2) Dennis Acma, (3) Albert Chan
Facility/Campus Supervisor – Esther Cheng

Describe your current utilization of facilities, including labs and other space

The Airport Campus is a multi-usage hangar classroom facility and is intended for cross utilization throughout the entire program curriculum, the facility is currently utilized 90% with 3 cohorts of students.

List your program goals from your most recent Program Review or APU. Then, provide an update on the status of the goal. Has your program achieved the goal? Have any of your goals been revised or any still in progress? Lastly, make sure to discuss which College or District goal your program goal aligns to.

If no program goals exist or if this is your first program review, work to create 2-3 goals and align them with a College or District goal.

Program Goal	The AMT program shall undergo its FAA curriculum review and evaluation according to the new FAA mandates which is to be published within the next 12 months. All courses must reflect currency in all lecture and practical topics and standards under new FAA guidelines
Status: In-Progress or Complete?	In progress – on going
Which college or district goal is aligned with your program goal?	Advance CoA teaching and learning

Program Goal	Hiring one new full time faculty for program stability and consistency.
Status: In-Progress or Complete?	completed
Which college or district goal is aligned with your program goal?	Institutional effectiveness

Program Goal	Facility upgrade and modernization to meet program expansion and code and ADA compliances. For both hangar A and B.
Status: In-Progress or Complete?	In progress
Which college or district goal is aligned with your program goal?	Advance CoA teaching and learning

Program Update

Using the dashboards, review and reflect upon the data for your program.

[Course Completion and Retention Rates – Instructional Dashboard](#)

[Course Completion and Retention Rates – Student Services Dashboard](#)

[Enrollment Trends and Productivity Dashboard](#)

[Degrees and Certificates Dashboard](#)

Course Completion and Retention Rates by Subject

Gender	Headcount	Census	Success	Success Rate	Retention
F	8	50	46	92.0%	92.0%
M	84	537	520	96.8%	97.4%
Total	92	587	566	96.4%	96.9%

Ethnicity	Headcount	Census	Success	Success Rate	Retention
Asian	31	198	190	96.0%	96.0%
Black / African American	9	44	40	90.9%	95.5%
Hispanic / Latino	16	109	108	99.1%	100.0%
White	29	190	182	95.8%	95.8%

Age Range	Headcount	Census	Success	Success Rate	Retention
19-24	35	234	231	98.7%	100.0%
25-29	20	112	108	96.4%	96.4%
30-34	20	120	116	96.7%	96.7%
35-54	22	118	110	93.2%	93.2%

Academic Year Campus Subject

Service Area	Census Enrollment	Success Rate	Retention

Service Area	Census Enrollment	Success Rate	Retention
First Gen	355	96.9%	97.7%

Service Area	Census Enrollment	Success Rate	Retention
Low Income	463	95.5%	96.1%

Service Area	Census Enrollment	Success Rate	Retention
Pell Grant	215	100.0%	100.0%
BOGG Promise	415	96.9%	97.1%

Service Area	Census Enrollment	Success Rate	Retention

Note: Subgroups with less than 5 are not reflected in this dashboard

Describe any significant changes and discuss what the changes mean to your program. Consider whether performance gaps exist for disproportionality impacted students by using filters to disaggregate the data. Focus upon the most recent year and/or the years since your last comprehensive program review. Cite data points to support your reflection.

AT the outbreak of the COVID 19 pandemic, the AMT department has anticipated on the safety concerns of in-person classes and has taken an active approach in applying to the FAA, our regulatory Federal Agency to hold Hybrid Classes, with two days online and 3 days in-person for practical shop time.

College of Alameda was among the few that were approved for such format of holding classes, along with the support of Alameda County and college's administration, the AMT program was able to immediately switch to hybrid schedule at the first closure of school as a result from the pandemic, without missing significant lecture and lab time.

College of Alameda AMT became the only AMT program in the greater Bay Area to continue to hold classes amid the pandemic. We were even able to help over 50 students to complete their achievement certificate, ultimately leading to their Federal certification as Aircraft technicians and employment at a suitable maintenance facility, whether it be airlines or small repair stations.

At COA, the AMT program was able to hold one of the highest student count and FTES for the college as the direct result of this hybrid schedule, and students' demand for the program.

Describe the department's progress on Student Learning Outcomes (SLOs) and/or Service Area Outcomes (SAOs) since the last Program Review/APU.

Due to the fact that the AMT is a FAA approved and certified program, and must adhere to the SLO set forth by the Federal Government, there is often time little changes can be made.

The primary focus of SLO and SAO often reflect what the employers are searching for, and how we can modify the straight FAA mandated curriculum to better meet the demand and requests from the employers in the aircraft industry.

Describe the outcomes and accomplishments from previous year's funded resource allocation request.

Brief description of funded request	Source (any additional award outside your base allocation)	Total Award Amount	Outcome/Accomplishment
Hiring of a full time faculty	No	\$140,000	Was able to hire a full time faculty for program stability and consistency.
Hydraulic test bench	No	\$5,000	<p>This is to replace ageing and non-function test bench.</p> <p>We are now able to conduct test according to required curriculum.</p>

Prioritized Resource Requests Summary

In the boxes below, please add resource requests for your program. If there are no resource requested, leave the boxes blank.

Resource Category	Description/Justification	Estimated Annual Salary Costs	Estimated Annual Benefits Costs	Total Estimated Cost
Personnel: Classified Staff	One full time tool room person. After the remodeling of hangar B, a tool room person is needed to maintain the workshops and associated tool and equipment.	\$50,000	\$45,000	\$95,000
Personnel: Student Worker				
Personnel: Part Time Faculty				
Personnel: Full Time Faculty	After remodeling of hangar B or the new hangar A, we shall expand to additional one to two cohorts. One addition full time faculty is needed for such expansion for stability and consistency.	\$70,000	\$50,000	\$120,000

Resource Category	Description/Justification	Total Estimated Cost
Professional Development: Department wide PD needed	ATEC annual conference at various cities	\$8,000
Professional Development: Personal/Individual PD needed	FAA recurrent training for School Designated Maintenance Examiners	\$4,000

Prioritized Resource Requests Summary - Continued

Resource Category	Description/Justification	Total Estimated Cost
Supplies: Software	Federal examination study guide software for Federal Certification	\$3,000
Supplies: Books, Magazines, and/or Periodicals	Aviation weekly subscription	\$500
Supplies: Instructional Supplies	Update all manufacturer's service manuals and IPC with a dedicated software subscription and networked for students and faculty use. So we can move toward paperless manuals.	\$15,000
Supplies: Non-Instructional Supplies		
Supplies: Library Collections		

Resource Category	Description/Justification	Total Estimated Cost
Technology & Equipment: New	Smart classroom with teleconferencing capability,	\$80,000
Technology & Equipment: Replacement	Aging equipment replacement – Magnaflux inspection machine. The old one was non-functioning and has been removed over 2 years, requires replacement to meet curriculum needs.	\$25,000

Prioritized Resource Requests Summary - Continued

Resource Category	Description/Justification	Total Estimated Cost
Facilities: Classrooms	Students' furniture, current desks and chairs are too small for adult students. Improved lighting, ventilation and seating is required for effective learning	\$150,000
Facilities: Offices	Faculty furniture should be upgraded to ergonomically suitable for office work. Current furniture are the typical for old office setup and they are not ergonomically suitable for extensive hours of sitting and working.	\$50,000
Facilities: Labs	Improved lighting, ventilation and heating. Poor lighting and ventilation makes it difficult for students to stay focused.	\$100,000
	Workshop worktable and furnishing.	\$100,000
Facilities: Other	Scissors Lift, to facilitate access to the top of the aircraft and general purposes in equipment and parts movement through the campus.	\$15,000

Resource Category	Description/Justification	Total Estimated Cost
Library: Library materials		
Library: Library collections		

Resource Category	Description/Justification	Total Estimated Cost
OTHER		