



## **Aviation** **Instruction**

### **Vision/Narrative**

The vision of the Aviation Department is to move our program to the San Martin Airport to start a fresh viable program that will have great potential for serving a larger student population than the previous Hollister airport campus and current Gilroy campus. There is a potential for doubling our current student capacity. Currently there is a feasibility study and negotiations with the county to determine the cost for the facilities at the San Martin airport, and there are measure e funds to fund this project.

As part of the move, lab and instructional equipment will be updated. Over the past couple of years, the FAA has updated its instructional material and our lecture material has been updated. The Aviation program will be upgrading its labs and lab equipment to keep pace with the changes.

### **Feedback from Supervisor / Dean**



**Program Objective 1: Revitalize turbine engine labs**

**Strategy and Goal(s):**

Not Applicable: RESUBMITTED: Copied from Academic Year 2014-15

**IEC Program Review:**

No: The turbine engines for labs have not been run for years. Turbine engines are the largest segment of the aviation industry. We need to repair our engines and reestablish our turbine labs so that our students are prepared for the experience employers are requiring.

**Progress:**

Closed: There have not been funds available  
RESUBMITTED: See Academic Year 2017-18 Program Plan

**Activity 1: Rebuild P&W 250 turbine helicopter engine**

**Personnel Request - *none***

**Non-Personnel Request**

Specific Item(s) Needed	Amount Requested (\$)	Fund Source / Type
Turbine Engine test stand	\$ 40000.00	General Fund / One-Time
<i>Total Requested</i>	<i>\$ 40000.00</i>	

**Rankings:**

Ranker	Comments	Rank
Dean	May have been resolved in 2016	12
Vice-President	Will only strengthen program SLOS and enrollment projections.	12
Budget Committee		
President's Council		



**Program Objective 2: Create a hydraulic system lab**

**Strategy and Goal(s):**

Strategy #2: Improve student services and enhance curriculum and programs in order to help students meet their educational, career, and personal goals.  
Goal #1: Increase the student success, completion, and transfer rates using reasonable benchmarks specified by the College.

**IEC Program Review:**

No: Create a hydraulic system lab to teach students how hydraulic systems work, how to diagnose problems and repair systems.

**Progress:**

Closed: No funds have been available  
RESUBMITTED: See Academic Year 2017-18 Program Plan

**Activity 1: Purchase a hydraulic systems learning workbench and develop the labs for it.**

**Personnel Request - *none***

**Non-Personnel Request**

Specific Item(s) Needed	Amount Requested (\$)	Fund Source / Type
Hydraulic systems lab equipment	\$ 50000.00	General Fund / One-Time
<i>Total Requested</i>	<i>\$ 50000.00</i>	

**Rankings:**

Ranker	Comments	Rank
Dean		
Vice-President	Expensive, but important for the instructional direction of the program.	12
Budget Committee		
President's Council		



**Program Objective 3: Update piston engine lab equipment**

**Strategy and Goal(s):**

Not Applicable: RESUBMITTED: Copied from Academic Year 2014-15

**IEC Program Review:**

No: Our currently lab piston engines are decades old. The models are no longer made and it is difficult to impossible to get replacement parts. The engines are worn out and need to be placed.

**Progress:**

Closed: Measure E funds have been identified

**Activity 1: Purchase new measuring equipment including "V" blocks, engine stands, alternator tester & magneto tester**

**Personnel Request - *none***

**Non-Personnel Request**

Specific Item(s) Needed	Amount Requested (\$)	Fund Source / Type
Update piston engine test equipment	\$ 15000.00	General Fund / One-Time
<i>Total Requested</i>	<i>\$ 15000.00</i>	

**Rankings:**

Ranker	Comments	Rank
Dean	May have been resolved in 2016	12
Vice-President	Another strong request. The budget committee may need to prioritize the items from this department. Great opportunities for the future foundation to consider.	12
Budget Committee		
President's Council		



**Program Objective 4: Update equipment for fuselage repair and airframe construction.**

**Strategy and Goal(s):**

Not Applicable: RESUBMITTED: Copied from Academic Year 2014-15

**IEC Program Review:**

No: The programs equipment is getting old and requires replacement. Also, the methods used in constructing aircraft have changed and we need to update our labs to reflect the changes in the industry.

**Progress:**

Closed: Funds were not available

RESUBMITTED: See Academic Year 2017-18 Program Plan

**Activity 1: Update composite construction lab equipment**

**Personnel Request - *none***

**Non-Personnel Request**

Specific Item(s) Needed	Amount Requested (\$)	Fund Source / Type
Composite construction lab equipment	\$ 20000.00	General Fund / One-Time
<i>Total Requested</i>	<i>\$ 20000.00</i>	

**Rankings:**

Ranker	Comments	Rank
Dean	May have been resolved in 2016	12
Vice-President	Seems critical to the central components of the curriculum.	12
Budget Committee		
President's Council		



**Program Objective 5: Improve enrollment/program marketing and spending efficiency**

**Strategy and Goal(s):**

Not Applicable: RESUBMITTED: Copied from Academic Year 2014-15

**IEC Program Review:**

No: The first goal is to better market the program to prospective student. This includes communicating with potential sources of students and convincing them of the value of the program. The second goal is to work with employers to link students with post graduation opportunities. The third goal is to be more efficient in our spending through rigorous tracking.

**Progress:**

Closed: Not in budget.  
RESUBMITTED: See Academic Year 2017-18 Program Plan

**Activity 1: Extend hours for department admin from part-time to full time.**

**Personnel Request - *none***  
**Non-Personnel Request - *none***

**Rankings:**

Ranker	Comments	Rank
Dean		6
Vice-President		
Budget Committee		
President's Council		