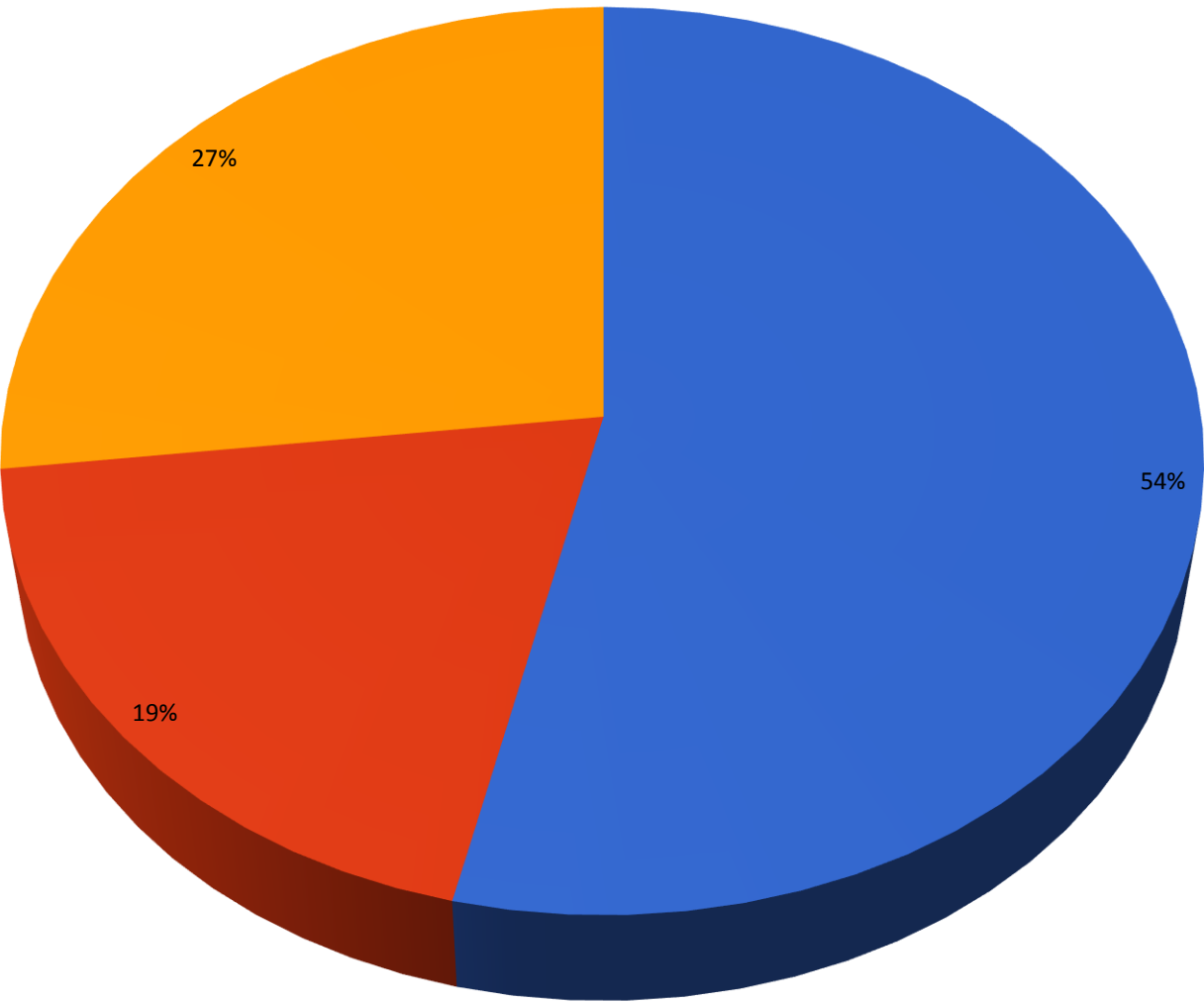


Exhibit IVA.19
Program Improvement
Proposal
(Aviation Maintenance Technology)

Question

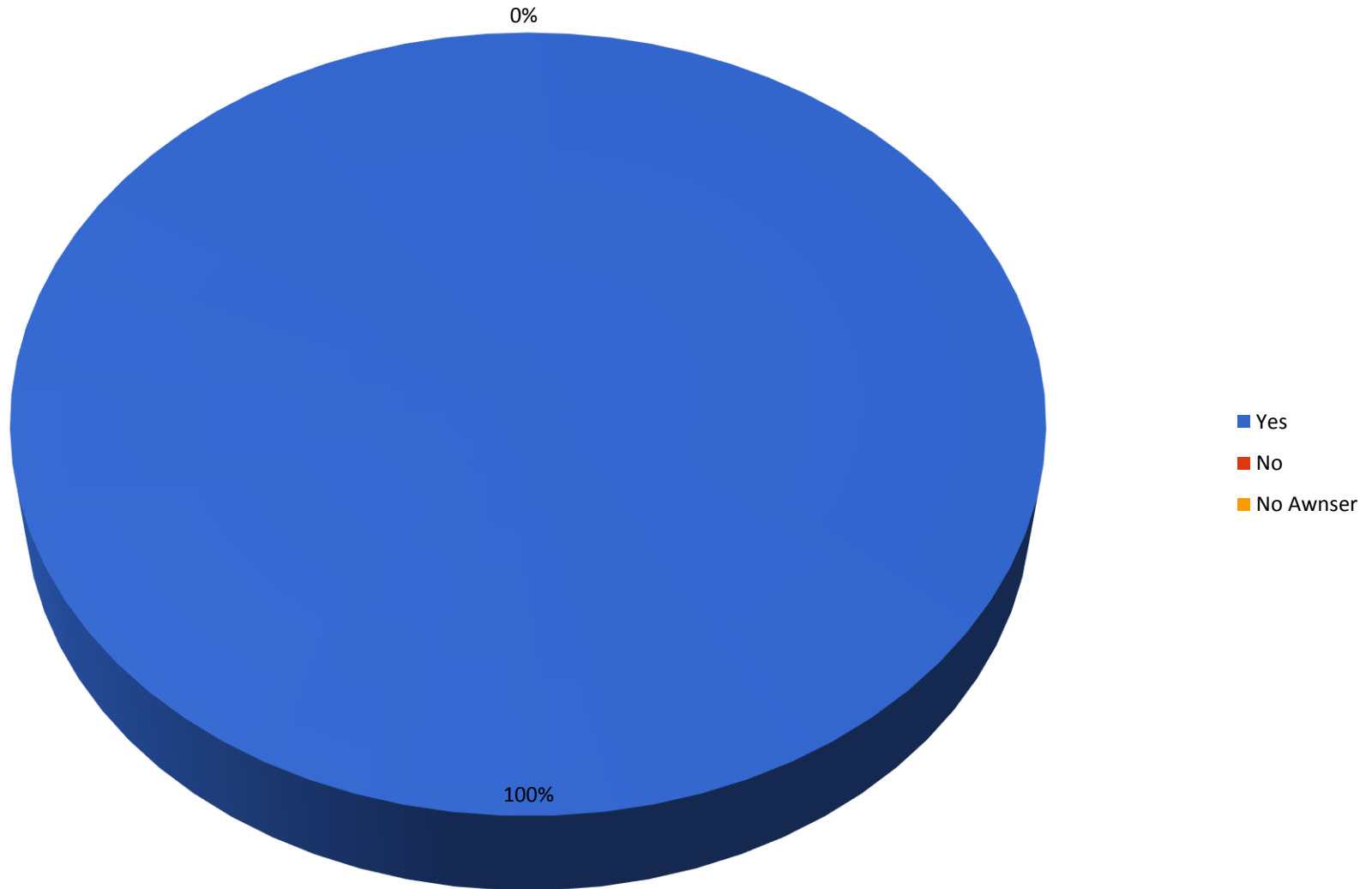
	General		Powerplant	Airframe	Hangar		51	Totals
Would You have enrolled in SJVC if you knew Friday classes were mandatory?								
Yes	7	58.33%	23	12	35	85.37%	2	
No	2	16.67%	3	2	5	12.20%		
No Awnser	3	25.00%	1		1	2.44%		
Total	12	100.00%	27	14	41	100.00%	2	57
How many of you would attend if they were optional?								
Yes	8	66.67%	9	6	15	36.59%	1	25.03252033
No	3	25.00%	17	8	25	60.98%	1	
No Awnser	1	8.33%	1		1	2.44%		
Total	12	100.00%	27	14	41	100.00%	2	57
How many perfer them to be optional?								
Yes	12	100.00%	27	12	39	95.12%		
No		0.00%	0	2	2	4.88%	2	
No Awnser		0.00%	0		0	0.00%		
Total	12	100.00%	27	14	41	100.00%	2	57
If the option to attend at a later day was availble would you take it?								
Yes	3	37.50%	11	6	17	100.00%		
No	5	62.50%	0		0	0.00%	1	
No Awnser		0.00%	0		0	0.00%		
Total	8	100.00%	11	6	17	100.00%	1	28
Friday classes attendance held seperate.								
Yes	3	25.00%	16	6	22	53.66%		
No	3	25.00%	4	4	8	19.51%		
No Awnser	6	50.00%	7	4	11	26.83%	2	
Total	12	100.00%	27	14	41	100.00%	2	57

Friday classes attendance held separate.

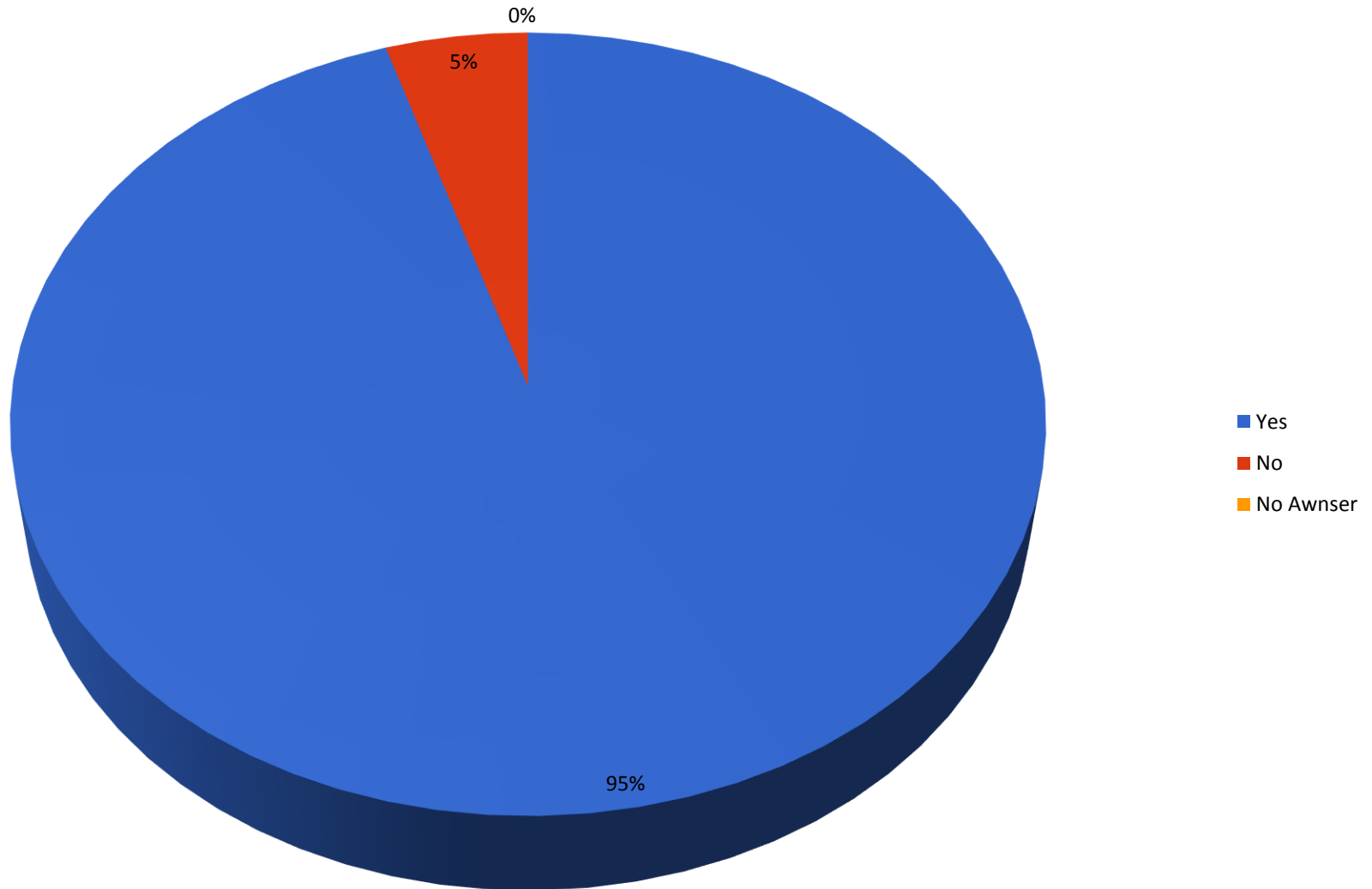


- Yes
- No
- No Answer

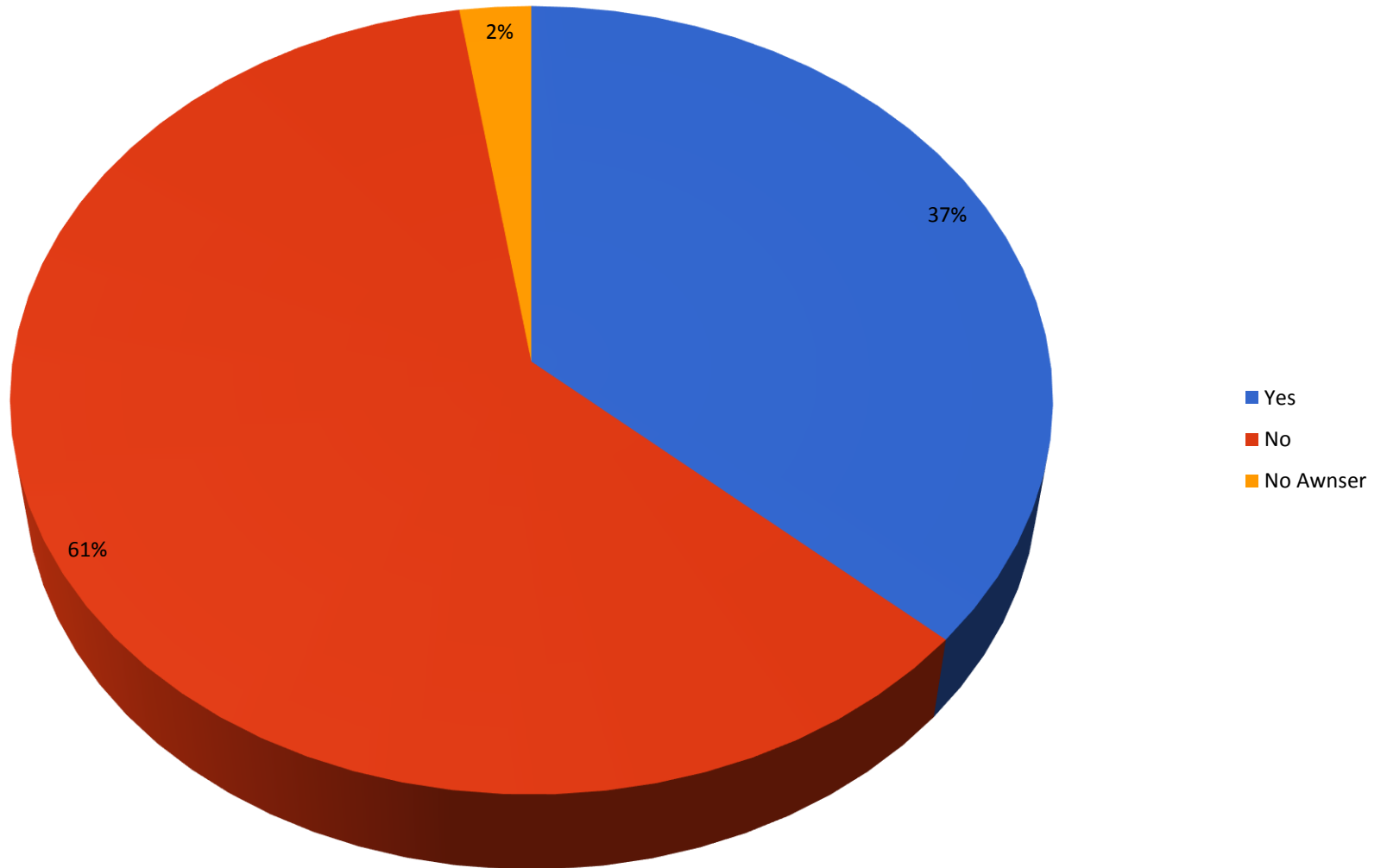
If the option to attend at a later day was available would you take it?



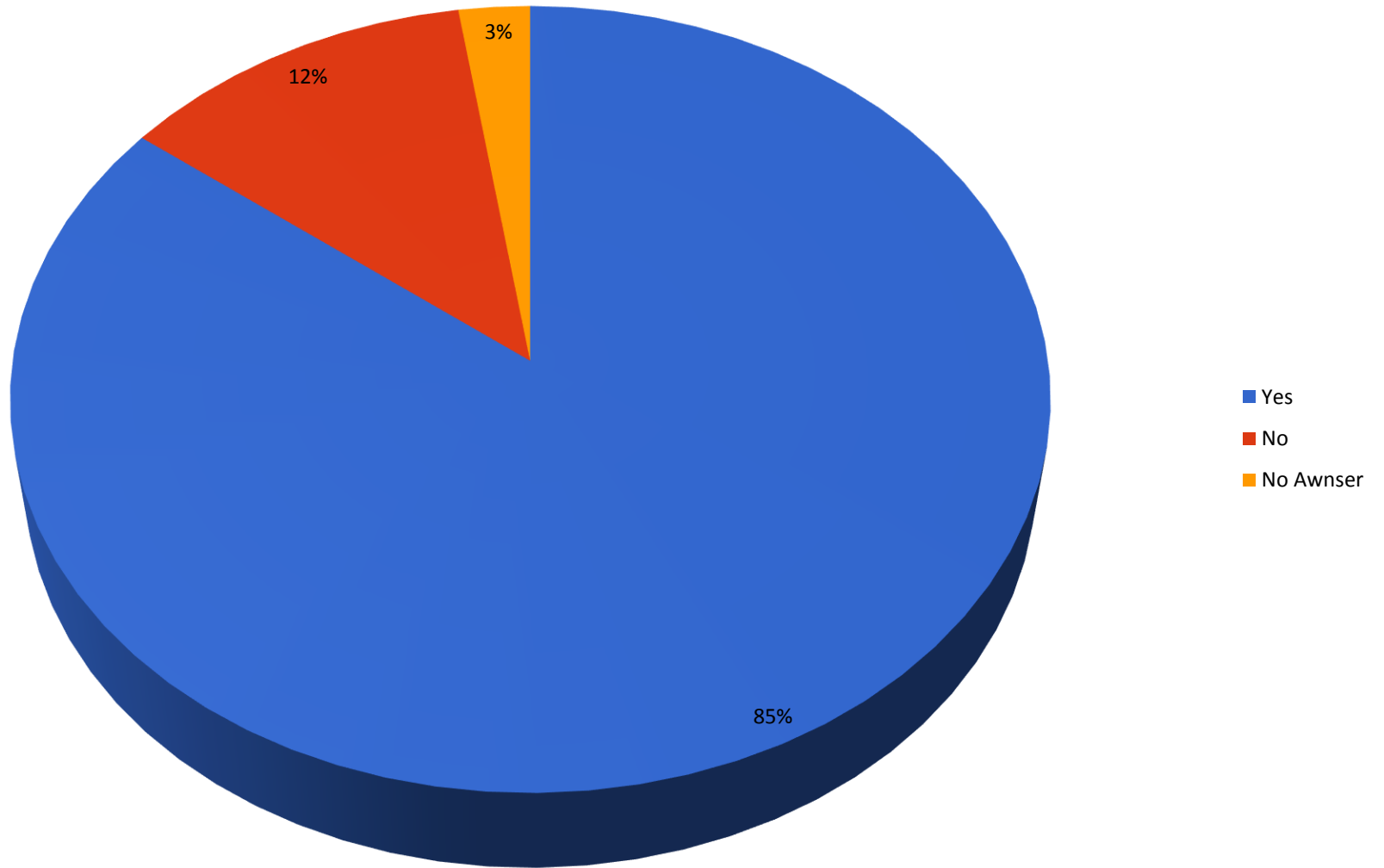
How many prefer them to be optional?



How many of you would attend if they were optional?



"Would You have enrolled in SJVC if you knew Friday classes were mandatory?"



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SJVC Aviation Campus



Program Review 2016



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1991 – 2016

**25 Years Creating
Aircraft Mechanics**

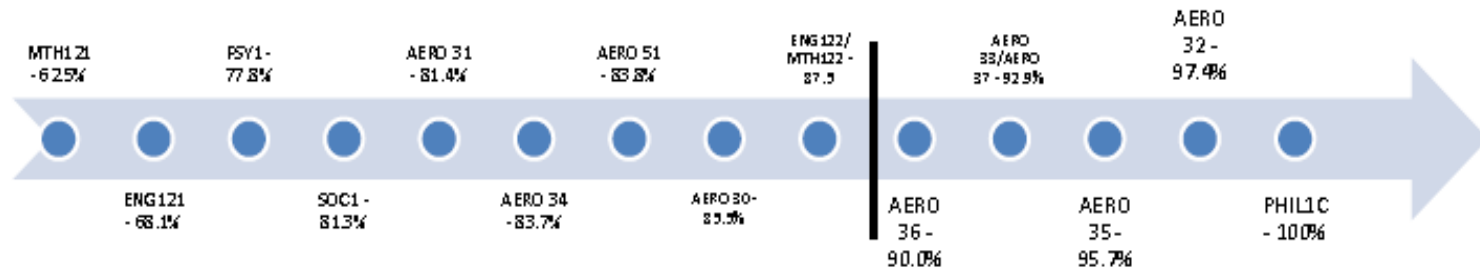


Aviation Campus Goals for 2016

1. Course Completion Rate at 90% by December 31, 2016
2. Graduation Rate at 70% by December 31, 2016
3. Master Assessment Outcome Achievement at or close to 70% by December 31, 2016

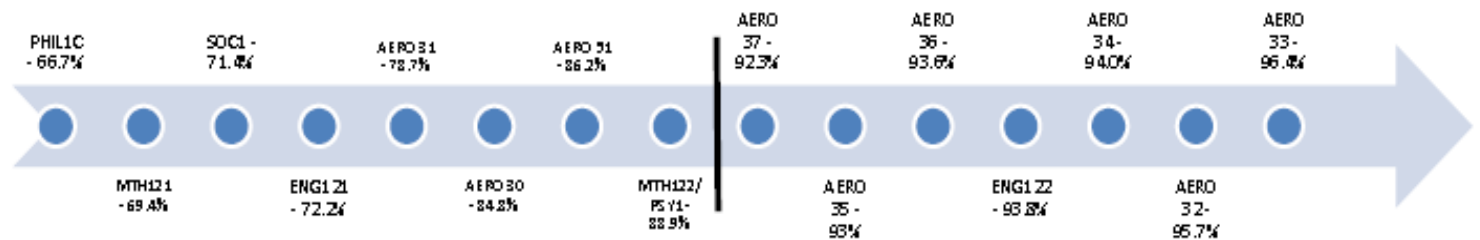
2015

Course Completion Rate



- Total Average: 84.6%
- Aero Only: 88.5%
- GE Only: 75.5%

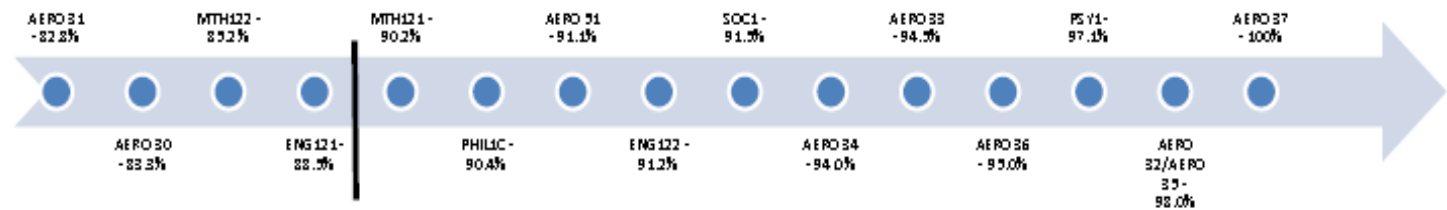
2014



- Total Average: 86.5%
- Aero Only: 90.0%
- GE Only: 78.7%

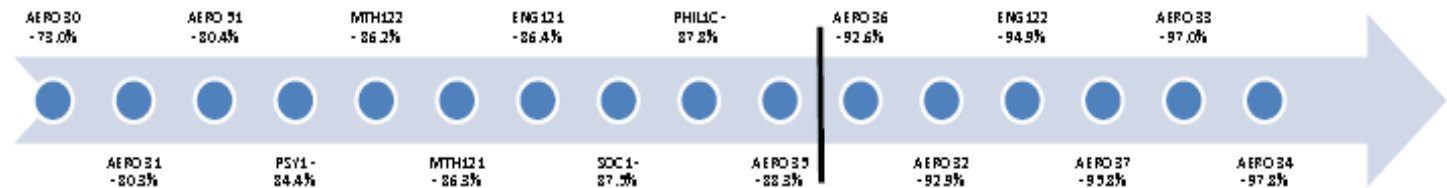
2013

Course Completion Rate



- Total Average: 91.5%
- Aero Only: 92.5%
- GE Only: 90.1%

2012

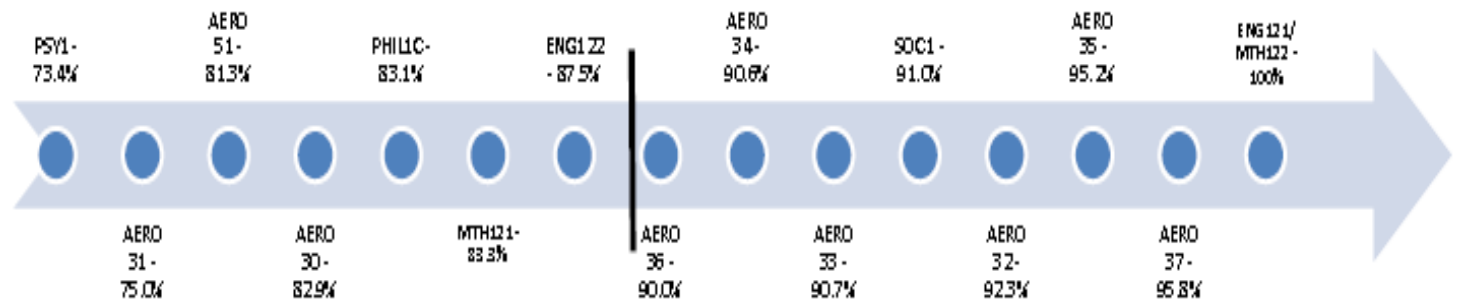


- Total Average: 87.5%
- Aero Only: 87.4%
- GE Only: 87.6%

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Course Completion Rate

2011

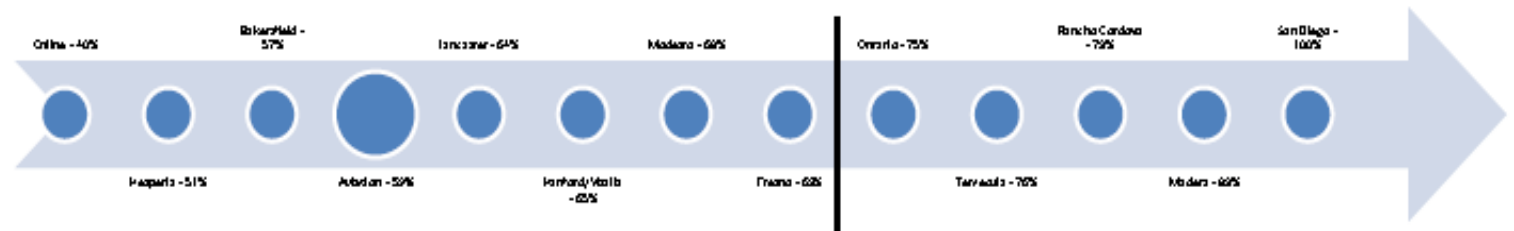


- Total Average: 86.7%
- Aero Only: 88.7%
- GE Only: 83.7%

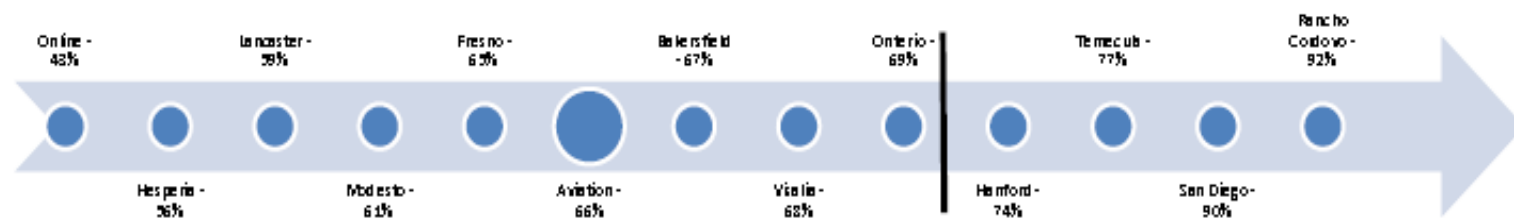
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2015

Graduation Rate



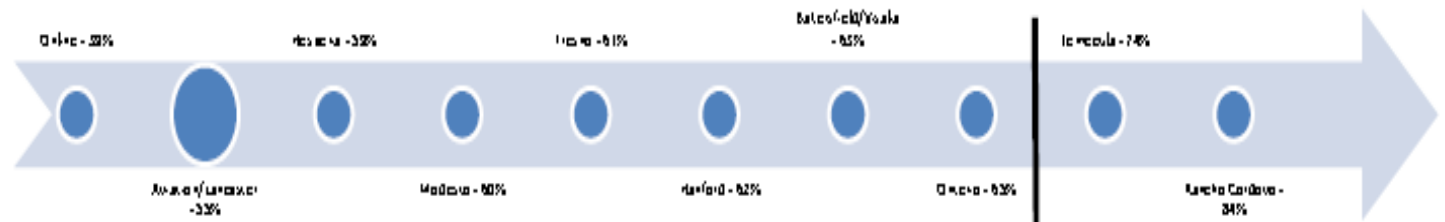
2014



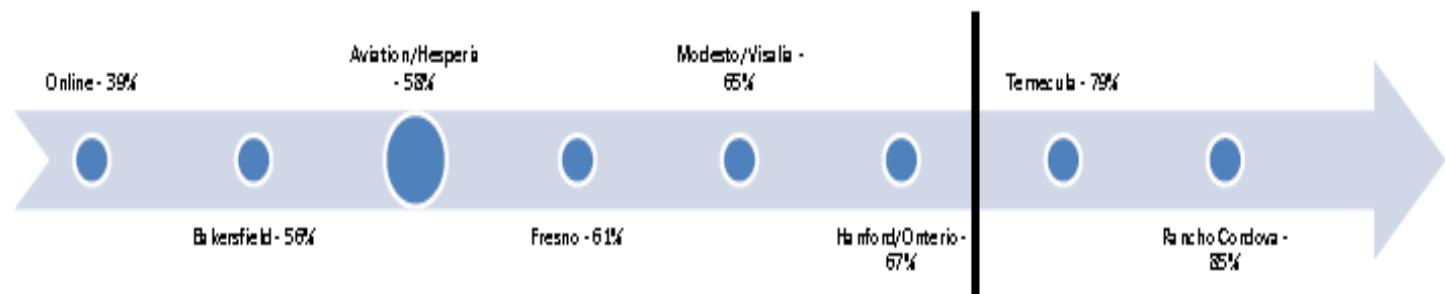
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2013

Graduation Rate



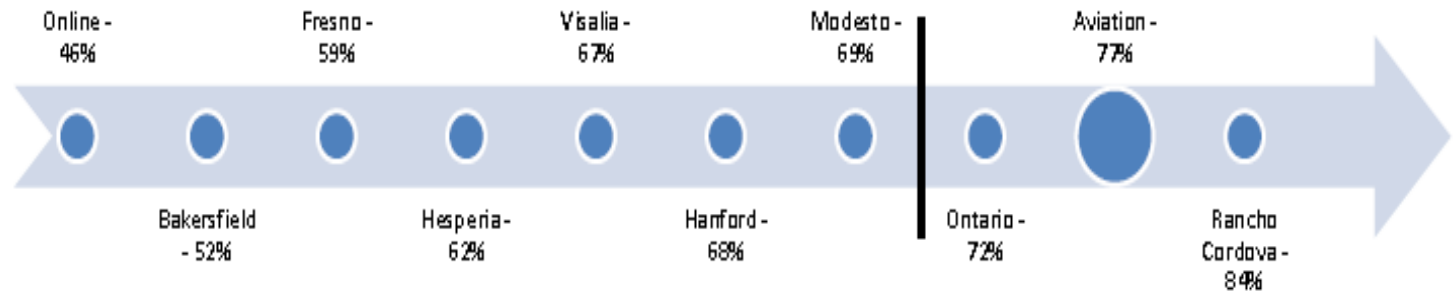
2012



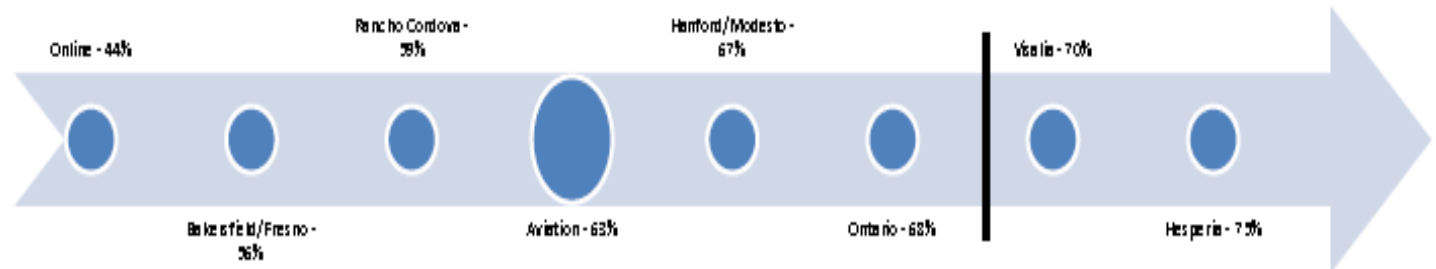
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2011

Graduation Rate



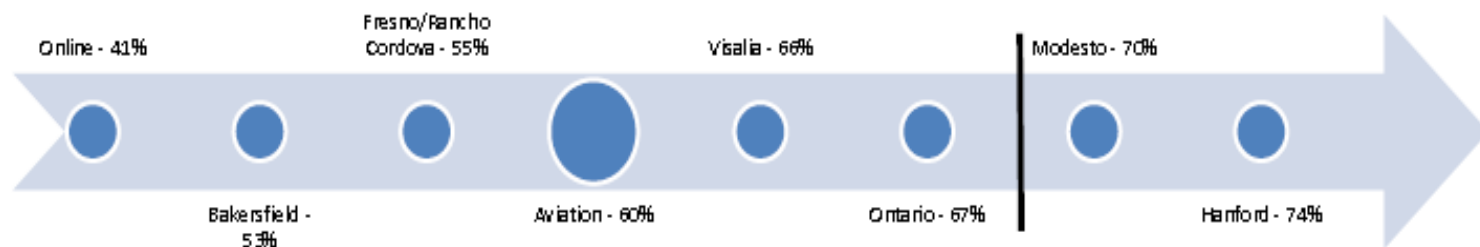
2010



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Graduation Rate

2009



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How does the
GE classes
influence this
data?

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Academics |

Course	Course Title	Hours	Hours Earned	Status	Grade	Term	Course Completion Date	Min Gr Pts
AERO30	Aircraft Basic Science	256.00	256.00	Complete	C	A150323	5/14/2015	
AERO31	Basic Electric/electron	256.00	256.00	Complete	C	A150519	7/14/2015	
AERO32	Reciprocating Engines	256.00	256.00	Complete	B	A151112	1/19/2016	
AERO33	Sheet Metal Structures and Airframe Auxiliary Systems	256.00	0.00	Scheduled		A160518		
AERO34	Turbine Engines	256.00	256.00	Complete	B	A150915	11/9/2015	
AERO35	Composite Structures	256.00	0.00	Scheduled		A160322		
AERO36	Propellers/engine Aux Sys	256.00	256.00	Complete	B	A150716	9/10/2015	
AERO37	Aircraft Landing Gear	256.00	0.00	Unfulfilled	F	A160121	2/10/2016	
AERO37	Aircraft Landing Gear (CURRENT RETAKE)	256.00	0.00	Scheduled		A160719		
AERO51	Profes Licensing Seminar	96.00	0.00	Scheduled		A160915		
ENG121	Composition and Reading - Part A	45.00	45.00	Complete	D	A150814	10/9/2015	
ENG122	Composition and Reading - Part B	45.00	0.00	Unfulfilled	F	A151016	12/18/2015	
ENG122	Composition and Reading - Part B (CURRENT RETAKE)	45.00	0.00	Scheduled		A160311		
MTH121	College Algebra - Part A	45.00	0.00	Unfulfilled	F	150427	5/28/2015	
MTH121	College Algebra - Part A (CURRENT RETAKE)	45.00	0.00	Scheduled		A160715		
MTH122	College Algebra - Part B	45.00	0.00	Scheduled		A170210		
PHIL1C	Ethics	45.00	0.00	Unfulfilled	W	A160108	2/25/2016	
PHIL1C	Ethics (CURRENT RETAKE)	45.00	0.00	Scheduled		A161202		
PSY1	Introduction To General Psychology	45.00	0.00	Unfulfilled	P	A150605	8/7/2015	
PSY1	Introduction To General Psychology (CURRENT RETAKE)	45.00	0.00	Scheduled		A160916		
SOC1	Introduction To Sociology	45.00	0.00	Scheduled		A160513		

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Course	Course Title	Hours	Hours Earned	Status	Grade	Term	Course Completion Date	Min. Gr. Pts
AERO30	Aircraft Basic Science	256.00	256.00	Complete	B	A150323	5/14/2015	
AERO31	Basic Electric/Electron	256.00	256.00	Complete	B	A150519	7/14/2015	
AERO32	Reconverting Engines	256.00	0.00	Scheduled		A160518		
AERO33	Sheet Metal Structures and Airframe Auxiliary Systems	256.00	256.00	Complete	B	A151112	1/19/2016	
AERO34	Turbine Engines	256.00	0.00	Scheduled		A160322		
AERO35	Composite Structures	256.00	256.00	Complete	B	A150915	11/9/2015	
AERO36	Propellers/engine Aux Sys	256.00	0.00	Unfulfilled	W	A160121	2/2/2016	
AERO36	Propellers/engine Aux Sys (CURRENT RETAKE)	256.00	0.00	Scheduled		A160719		
AERO37	Aircraft Landing Gear	256.00	256.00	Complete	B	A150716	9/10/2015	
AERO51	Profes Licensing Seminar	96.00	0.00	Scheduled		A160915		
ENG121	Composition and Reading - Part A	45.00	0.00	Unfulfilled	F	A150814	10/9/2015	
ENG121	Composition and Reading - Part A (CURRENT RETAKE)	45.00	0.00	Scheduled		A160513		
ENG122	Composition and Reading - Part B	45.00	0.00	Scheduled		A160715		
MTH121	College Algebra - Part A (RETAKE)	45.00	0.00	Unfulfilled	F	150427	5/28/2015	
MTH121	College Algebra - Part A (RETAKE)	45.00	0.00	Unfulfilled	F	150601	7/2/2015	
MTH121	College Algebra - Part A (CURRENT RETAKE)	45.00	0.00	Scheduled		A160311		
MTH122	College Algebra - Part B	45.00	0.00	Scheduled		A160916		
PHIL1C	Ethics	45.00	0.00	Unfulfilled	F	A160108	3/4/2016	
PHIL1C	Ethics (CURRENT RETAKE)	45.00	0.00	Scheduled		A161202		
PSY1	Introduction To General Psychology	45.00	0.00	Unfulfilled	F	A151016	12/18/2015	
PSY1	Introduction To General Psychology (CURRENT RETAKE)	45.00	0.00	Scheduled		A170210		
SOC1	Introduction To Sociology	45.00	0.00	Scheduled		A170414		

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3

Course	Course Title	Hours	Hours Earned	Status	Grade	Term	Course Completion Date	Min. Gr. Pts
AERO30	Aircraft Basic Science	256.00	256.00	Complete	B	A150323	5/14/2015	
AERO31	Basic Electric/Electron	256.00	256.00	Complete	B	A150519	7/14/2015	
AERO32	Reciprocating Engines	256.00	256.00	Complete	B	A151112	1/19/2016	
AERO33	Sheet Metal Structures and Airframe Auxiliary Systems	256.00	0.00	Scheduled		A160518		
AERO34	Turbine Engines	256.00	0.00	Scheduled		A160322		
AERO35	Composite Structures	256.00	0.00	Unfulfilled	W	A150915	10/12/2015	
AERO35	Composite Structures (CURRENT RETAKE)	256.00	0.00	Scheduled		A160915		
AERO36	Propellers/engine Aux Sys	256.00	0.00	Unfulfilled	W	A160121	2/3/2016	
AERO37	Aircraft Landing Gear	256.00	256.00	Complete	B	A150716	9/10/2015	
AERO51	Profes Licensing Seminar	96.00	0.00	Scheduled		A161114		
ENG121	Composition and Reading - Part A (RETAKE)	45.00	0.00	Unfulfilled	F	151123	12/23/2015	
ENG121	Composition and Reading - Part A (RETAKE)	45.00	0.00	Unfulfilled	F	160104	2/4/2016	
ENG121	Composition and Reading - Part A	45.00	0.00	Unfulfilled	W	A150814	10/9/2015	
ENG121	Composition and Reading - Part A (CURRENT RETAKE)	45.00	0.00	Scheduled		160523		
ENG122	Composition and Reading - Part B	45.00	0.00	Scheduled		160627		
MTH121	College Algebra - Part A	45.00	0.00	Unfulfilled	F	150427	5/28/2015	
MTH121	College Algebra - Part A (CURRENT RETAKE)	45.00	0.00	Current		160208		
MTH122	College Algebra - Part B	45.00	0.00	Scheduled		160314		
PHIL1C	Ethics	45.00	45.00	Complete	B	A150605	8/7/2015	
PSY1	Introduction To General Psychology	45.00	0.00	Unfulfilled	W	A151016	12/18/2015	
PSY1	Introduction To General Psychology (CURRENT RETAKE)	45.00	0.00	Scheduled		160801		
SOCI	Introduction To Sociology	45.00	0.00	Scheduled		160418		

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Completed 41

Course	Course Title	Hours	Hours Earned	Status	Grade	Term	Course Completion Date	Min. Gr Pts
AERO30	<u>Aircraft Basic Science</u>	256.00	256.00	Complete	B	A150716	9/10/2015	
AERO31	<u>Basic Electric/Electron</u>	256.00	256.00	Complete	B	A150519	7/14/2015	
AERO32	<u>Reciprocating Engines</u>	256.00	256.00	Complete	A	A151112	1/19/2016	
AERO33	<u>Sheet Metal Structures and Airframe Auxiliary Systems</u>	256.00	0.00	Scheduled		A160518		
AERO34	<u>Turbine Engines</u>	256.00	256.00	Complete	B	A150915	11/9/2015	
AERO35	<u>Composite Structures</u>	256.00	0.00	Scheduled		A160302		
AERO36	<u>Propellers/Engine Aux Sys</u>	256.00	0.00	Current		A160121		
AERO37	<u>Aircraft Landing Gear</u>	256.00	0.00	Scheduled		A160719		
AERO51	<u>Protes Licensing Seminar</u>	96.00	0.00	Scheduled		A160915		
ENGL21	<u>Composition and Reading - Part A</u>	45.00	45.00	Complete	C	A160108	3/4/2016	
ENGL22	<u>Composition and Reading - Part B</u>	45.00	0.00	Scheduled		A160311		
MTH121	<u>College Algebra - Part A</u>	45.00	0.00	Unfulfilled	F	A150814	10/9/2015	
MTH121	<u>College Algebra - Part A (CURRENT RETAKE)</u>	45.00	0.00	Scheduled		A160715		
MTH122	<u>College Algebra - Part B</u>	45.00	0.00	Scheduled		A160916		
PHIL1C	<u>Ethics</u>	45.00	0.00	Scheduled		A161202		
PSY1	<u>Introduction To General Psychology (RETAKE)</u>	45.00	0.00	Unfulfilled	F	A150605	8/7/2015	
PSY1	<u>Introduction To General Psychology (RETAKE)</u>	45.00	45.00	Complete	C	A151016	12/18/2015	
SOC1	<u>Introduction To Sociology</u>	45.00	0.00	Scheduled		A160513		

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Course	Course Title	Hours	Hours Earned	Status	Grade	Term	Course Completion Date	Min. Gr. Pts
AERO30	Aircraft Basic Science	256.00	256.00	Complete	B	A141110	1/15/2015	
AERO31	Basic Electric/electron (RETAKEN)	256.00	0.00	Unfulfilled	F	A140911	11/5/2014	
AERO31	Basic Electric/electron (RETAKE)	256.00	256.00	Complete	B	A150121	3/18/2015	
AERO32	Reciprocating Engines	256.00	256.00	Complete	B	A151112	1/19/2016	
AERO33	Sheet Metal Structures and Airframe Auxiliary Systems	256.00	0.00	Scheduled		A160518		
AERO34	Turbine Engines	256.00	0.00	Unfulfilled	W	A150323	5/12/2015	
AERO34	Turbine Engines (CURRENT RETAKE)	256.00	256.00	Complete	B	A150915	11/9/2015	
AERO35	Composite Structures	256.00	0.00	Scheduled		A160322		
AERO36	Propellers/engine Aux Sys	256.00	256.00	Complete	C	A150716	9/10/2015	
AERO37	Aircraft Landing Gear	256.00	0.00	Current		A160121		
AERO51	Profes Licensing Seminar	96.00	0.00	Scheduled		A160719		
ENG121	Composition and Reading - Part A	45.00	0.00	Unfulfilled	W	A150403	5/29/2015	
ENG121	Composition and Reading - Part A (CURRENT RETAKE)	45.00	0.00	Scheduled		A160513		
ENG122	Composition and Reading - Part B	45.00	0.00	Scheduled		A160715		
MTH121	College Algebra - Part A (RETAKEN)	45.00	0.00	Unfulfilled	F	A150814	10/9/2015	
MTH121	College Algebra - Part A (RETAKEN)	45.00	0.00	Unfulfilled	F	A150130	3/27/2015	
MTH121	College Algebra - Part A (CURRENT RETAKE)	45.00	0.00	Scheduled		A160311		
MTH122	College Algebra - Part B	45.00	0.00	Scheduled		A160916		
PHIL1C	Ethics	45.00	45.00	Complete	D	A160108	3/4/2016	
PSY1	Introduction To General Psychology	45.00	45.00	Complete	B	A151016	12/18/2015	
SOCI	Introduction To Sociology	45.00	45.00	Complete	C	A141107	1/23/2015	

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Show all Courses

View Taken Courses Not Applied >>

Course	Course Title	Hours	Hours Earned	Status	Grade	Term	Course Completion Date	Min Gr Pts
AER030	Aircraft Basic Science	256.00	256.00	Complete	B	A131106	1/14/2014	
AER031	Basic Electric/Electron	256.00	256.00	Complete	B	A140116	3/17/2014	
AER032	Reciprocating Engines	256.00	256.00	Complete	C	A150519	7/14/2015	
AER033	Sheet Metal Structures and Airframe Auxiliary Systems (RETAKE)	256.00	0.00	Unfulfilled	F	A140515	6/19/2014	
AER033	Sheet Metal Structures and Airframe Auxiliary Systems (RETAKE)	256.00	256.00	Complete	B	A141110	1/15/2015	
AER034	Turbine Engines	256.00	0.00	Unfulfilled	W	A140911	10/7/2014	
AER034	Turbine Engines (CURRENT RETAKE)	256.00	256.00	Complete	B	A150323	5/14/2015	
AER035	Composite Structures	256.00	256.00	Complete	B	A140319	5/13/2014	
AER036	Propellers/engine Aux Sys	256.00	0.00	Unfulfilled	W	A140715	7/28/2014	
AER036	Propellers/engine Aux Sys (CURRENT RETAKE)	256.00	256.00	Complete	B	A150716	9/10/2015	
AER037	Aircraft Landing Gear	256.00	256.00	Complete	C	A150121	3/18/2015	
AER051	Profes Licensing Seminar (RETAKE)	96.00	0.00	Unfulfilled	F	A150915	10/5/2015	
AER051	Profes Licensing Seminar (RETAKE)	96.00	96.00	Complete	C	A151112	12/3/2015	
ENGL21	Composition and Reading - Part A (RETAKE)	45.00	0.00	Unfulfilled	F	A150814	10/9/2015	
ENGL21	Composition and Reading - Part A (RETAKE)	45.00	45.00	Complete	B	A160108	3/4/2016	
ENGL22	Composition and Reading - Part B	45.00	45.00	Complete	T	TRANSFER	9/8/2015	
MTH121	College Algebra - Part A (RETAKE)	45.00	0.00	Unfulfilled	F	A140425	6/20/2014	
MTH121	College Algebra - Part A (RETAKE)	45.00	0.00	Unfulfilled	F	A150130	3/27/2015	
MTH121	College Algebra - Part A (CURRENT RETAKE)	45.00	45.00	Complete	T	TRANSFER	9/8/2015	
MTH122	College Algebra - Part B	45.00	0.00	Unfulfilled	F	150427	5/28/2015	
MTH122	College Algebra - Part B (CURRENT RETAKE)	45.00	45.00	Complete	T	TRANSFER	9/8/2015	
PHIL1C	Ethics	45.00	45.00	Complete	A	A131213	2/14/2014	
PSY1	Introduction To General Psychology	45.00	45.00	Complete	T	TRANSFER	11/6/2013	
SOC1	Introduction To Sociology	45.00	45.00	Complete	A	A140221	4/18/2014	



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Student Detail 7

Course	Course Title	Hours	Hours Earned	Status	Grade	Term	Course Completion Date	Min Gr Pts
AERO30	Aircraft Basic Science (RETAKEN)	256.00	0.00	Unfulfilled	F	A150323	4/13/2015	
AERO30	Aircraft Basic Science (RETAKE)	256.00	256.00	Complete	A	A150716	9/10/2015	
AERO31	Basic Electric/Electron	256.00	256.00	Complete	A	A150121	3/18/2015	
AERO32	Reciprocating Engines	256.00	256.00	Complete	A	A151112	1/19/2016	
AERO33	Sheet Metal Structures and Airframe Auxiliary Systems	256.00	0.00	Scheduled		A160518		
AERO34	Turbine Engines	256.00	0.00	Unfulfilled	F	A150915	10/8/2015	
AERO34	Turbine Engines (CURRENT RETAKE)	256.00	0.00	Scheduled		A160322		
AERO35	Composite Structures	256.00	0.00	Scheduled		A160915		
AERO36	Propellers/engine Aux Sys	256.00	0.00	Current		A160121		
AERO37	Aircraft Landing Gear	256.00	0.00	Scheduled		A160719		
AERO51	Profes Licensing Seminar	96.00	0.00	Scheduled		A161114		
ENG121	Composition and Reading - Part A	45.00	0.00	Unfulfilled	F	A150814	10/9/2015	
ENG121	Composition and Reading - Part A (CURRENT RETAKE)	45.00	0.00	Scheduled		A160513		
ENG122	Composition and Reading - Part B	45.00	0.00	Scheduled		A160715		
MTH121	College Algebra - Part A	45.00	45.00	Complete	B	A150130	3/27/2015	
MTH122	College Algebra - Part B	45.00	0.00	Unfulfilled	W	A150403	5/29/2015	
MTH122	College Algebra - Part B (CURRENT RETAKE)	45.00	0.00	Scheduled		A160916		
PHIL1C	Ethics	45.00	45.00	Complete	B	A151016	12/18/2015	
PSY1	Introduction To General Psychology	45.00	0.00	Scheduled		A160311		
SOC1	Introduction To Sociology	45.00	0.00	Unfulfilled	F	A160108	2/22/2016	
SOC1	Introduction To Sociology (CURRENT RETAKE)	45.00	0.00	Scheduled		A161202		

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Student Transcript 8

Course	Course Title	Hours	Hours Earned	Status	Grade	Term	Course Completion Date	Min Gr Pts
AERO30	Aircraft Basic Science	256.00	256.00	Complete	C	A140715	9/9/2014	
AERO31	Basic Electric/electron (RETAKEN)	256.00	0.00	Unfulfilled	F	A140911	11/5/2014	
AERO31	Basic Electric/electron (RETAKE)	256.00	256.00	Complete	C	A150121	3/18/2015	
AERO32	Reciprocating Engines	256.00	256.00	Complete	C	A150819	7/14/2015	
AERO33	Sheet Metal Structures and Airframe Auxiliary Systems	256.00	256.00	Complete	B	A151112	1/19/2016	
AERO34	Turbine Engines	256.00	256.00	Complete	C	A150323	5/14/2015	
AERO35	Composite Structures	256.00	256.00	Complete	B	A150915	11/9/2015	
AERO36	Propellers/engine Aux Sys	256.00	256.00	Complete	C	A150716	9/10/2015	
AERO37	Aircraft Landing Gear	256.00	0.00	Current		A160121		
AERO51	Profes Licensing Seminar	96.00	0.00	Scheduled		A160322		
ENG121	Composition and Reading - Part A	45.00	45.00	Complete	D	A141107	1/23/2015	
ENG122	Composition and Reading - Part B	45.00	45.00	Complete	C	A151016	12/18/2015	
MTH121	College Algebra - Part A (RETAKEN)	45.00	0.00	Unfulfilled	F	150427	5/28/2015	
MTH121	College Algebra - Part A (RETAKE)	45.00	0.00	Unfulfilled	F	A150814	10/9/2015	
MTH121	College Algebra - Part A (CURRENT RETAKE)	45.00	0.00	Scheduled		160418		
MTH122	College Algebra - Part B	45.00	0.00	Scheduled		160523		
PHIL1C	Ethics	45.00	0.00	Unfulfilled	F	A160108	3/4/2016	
PHIL1C	Ethics (CURRENT RETAKE)	45.00	0.00	Scheduled		160627		
PSY1	Introduction To General Psychology (RETAKEN)	45.00	0.00	Unfulfilled	F	140922	10/23/2014	
PSY1	Introduction To General Psychology (RETAKE)	45.00	45.00	Complete	D	A150130	3/27/2015	
SOCI	Introduction To Sociology	45.00	0.00	Scheduled		160314		

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Transfer Results 9



Show all Courses

[View Taken Courses](#) [Not Applied 13](#)

Course	Course Title	Hours	Hours Earned	Status	Grade	Term	Course Completion Date	Min Gr Pts
AERO30	Aircraft Basic Science	256.00	0.00	Unfulfilled	W	A141110	1/8/2015	
AERO30	Aircraft Basic Science (CURRENT RETAKE)	256.00	256.00	Complete	B	A150123	5/14/2015	
AERO31	Basic Electric/electron (RETAKEN)	256.00	0.00	Unfulfilled	F	A140911	10/22/2014	
AERO31	Basic Electric/electron (RETAKE)	256.00	256.00	Complete	B	A150121	3/18/2015	
AERO32	Reciprocating Engines	256.00	256.00	Complete	B	A150519	7/14/2015	
AERO33	Sheet Metal Structures and Airframe Auxiliary Systems	256.00	256.00	Complete	B	A151112	1/19/2016	
AERO34	Turbine Engines	256.00	256.00	Complete	B	A150915	11/9/2015	
AERO35	Composite Structures	256.00	0.00	Scheduled		A160322		
AERO36	Propellers/engine Aux Sys	256.00	256.00	Complete	B	A150716	9/10/2015	
AERO37	Aircraft Landing Gear	256.00	0.00	Current		A160121		
ATRO51	Profes Licensing Seminar	96.00	0.00	Scheduled		A160518		
ENG121	Composition and Reading - Part A	45.00	45.00	Complete	B	150601	7/2/2015	
ENG122	Composition and Reading - Part B	45.00	45.00	Complete	B	150706	8/6/2015	
MTH121	College Algebra - Part A (RETAKEN)	45.00	0.00	Unfulfilled	F	150427	5/28/2015	
MTH121	College Algebra - Part A (RETAKE)	45.00	45.00	Complete	C	150810	9/10/2015	
MTH122	College Algebra - Part B	45.00	45.00	Complete	C	150914	10/15/2015	
PHIL1C	Ethics (RETAKEN)	45.00	0.00	Unfulfilled	F	151123	12/23/2015	
PHIL1C	Ethics (RETAKE)	45.00	45.00	Complete	C	160104	2/4/2016	
PSY1	Introduction To General Psychology	45.00	45.00	Complete	B	A150130	3/27/2015	
SOC1	Introduction To Sociology	45.00	45.00	Complete	C	151019	11/19/2015	



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Unfilled 10

Course	Course Title	Hours	Hours Earned	Status	Grade	Term	Course Completion Date	Min. Gr. Pts
AERO30	Aircraft Basic Science (RETAKEN)	256.00	0.00	Unfulfilled	F	A140319	4/9/2014	
AERO30	Aircraft Basic Science (RETAKE)	256.00	256.00	Complete	B	A141110	1/15/2015	
AERO31	Basic Electric/electron (RETAKEN)	256.00	0.00	Unfulfilled	F	A140515	7/10/2014	
AERO31	Basic Electric/electron (RETAKEN)	256.00	0.00	Unfulfilled	F	A140911	10/28/2014	
AERO31	Basic Electric/electron (RETAKE)	256.00	256.00	Complete	B	A150121	3/18/2015	
AERO32	Reciprocating Engines	256.00	256.00	Complete	B	A150519	7/14/2015	
AERO33	Sheet Metal Structures and Airframe Auxiliary Systems	256.00	256.00	Complete	B	A151112	1/19/2016	
AERO34	Turbine Engines	256.00	256.00	Complete	B	A150323	5/14/2015	
AERO35	Composite Structures	256.00	256.00	Complete	B	A150915	11/9/2015	
AERO36	Propellers/engine Aux Sys	256.00	256.00	Complete	B	A150716	9/10/2015	
AERO37	Aircraft Landing Gear	256.00	0.00	Current		A160121		
AERO51	Profes Licensing Seminar	96.00	0.00	Scheduled		A160322		
ENG121	Composition and Reading - Part A	45.00	45.00	Complete	D	A150403	5/29/2015	
ENG122	Composition and Reading - Part B	45.00	0.00	Unfulfilled	F	A150605	7/24/2015	
ENG122	Composition and Reading - Part B (CURRENT RETAKE)	45.00	0.00	Scheduled		A160715		
MTH121	College Algebra - Part A (RETAKEN)	45.00	0.00	Unfulfilled	F	A150130	3/27/2015	
MTH121	College Algebra - Part A (RETAKE)	45.00	45.00	Complete	C	A150814	10/9/2015	
MTH122	College Algebra - Part B	45.00	0.00	Scheduled		A160513		
PHIL1C	Ethics	45.00	45.00	Complete	B	A151016	12/18/2015	
PSY1	Introduction To General Psychology	45.00	0.00	Scheduled		A160311		
SOCI	Introduction To Sociology (RETAKEN)	45.00	0.00	Unfulfilled	F	A141107	1/23/2015	
SOCI	Introduction To Sociology (RETAKE)	45.00	45.00	Complete	D	A160108	3/4/2016	

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GE GROUND

A160108

Program	Days & Grade	Percent Absence	Academic Advice
Aviation Maintenance Tech	86.00	26.44%	
Aviation Maintenance Tech	87.00	2.22%	
Aviation Maintenance Tech	84.00	2.22%	
Aviation Maintenance Tech	90.00	3.80%	
Aviation Maintenance Tech	88.00	4.44%	
Aviation Maintenance Tech	91.00	3.80%	
Aviation Maintenance Tech	91.00	8.80%	
Aviation Maintenance Tech	94.00	15.56%	
Aviation Maintenance Tech	85.00	44.44%	
Aviation Maintenance Tech	80.00	8.80%	
Aviation Maintenance Tech	70.00	31.11%	
Aviation Maintenance Tech	90.00	13.33%	
Aviation Maintenance Tech	88.00	8.80%	
Aviation Maintenance Tech	90.00	8.80%	
Aviation Maintenance Tech	83.00	11.11%	
Aviation Maintenance Tech	82.00	4.44%	
Aviation Maintenance Tech	83.00	8.80%	
Aviation Maintenance Tech	30.00	20.11%	
Aviation Maintenance Tech	55.00	25.37%	
Aviation Maintenance Tech	81.00	29.62%	
Aviation Maintenance Tech	83.00	11.11%	
Aviation Maintenance Tech	54.00	43.00%	
Aviation Maintenance Tech	73.00	0.00%	
Aviation Maintenance Tech	65.00	23.33%	
Aviation Maintenance Tech	49.00	24.62%	
Aviation Maintenance Tech	40.00	56.11%	
Aviation Maintenance Tech	35.00	72.86%	
Aviation Maintenance Tech	60.00	11.11%	
Aviation Maintenance Tech	28.00	71.42%	
Aviation Maintenance Tech	69.00	22.22%	
Aviation Maintenance Tech	84.80	2.78%	
Aviation Maintenance Tech	68.80	31.31%	
Aviation Maintenance Tech	95.80	0.00%	
Aviation Maintenance Tech	62.80	13.31%	
Aviation Maintenance Tech	38.80	13.33%	
Aviation Maintenance Tech	79.80	11.48%	
Aviation Maintenance Tech	81.80	20.33%	
Aviation Maintenance Tech	69.80	12.78%	
Aviation Maintenance Tech	71.80	0.00%	
Aviation Maintenance Tech	67.80	0.00%	
Aviation Maintenance Tech	65.80	6.52%	
Aviation Maintenance Tech	13.00	38.71%	

0% Failure

Avg Percent Absent: 12.22%

36% Failure

Avg Percent Absent: 13.50%

24% Failure

Avg Percent Absent: 22.91%

Total Avg. Failure: 20%
 Total Avg. Percent Absent: 16.21%

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GE Online

Aviation Maintenance Tech	79.00
Aviation Maintenance Tech	50.00
Aviation Maintenance Tech	66.00
Aviation Maintenance Tech	17.00
Aviation Maintenance Tech	86.00
Aviation Maintenance Tech	88.00
Aviation Maintenance Tech	86.00
Aviation Maintenance Tech	75.00
Aviation Maintenance Tech	74.00
Aviation Maintenance Tech	91.00

20% Failure Rate

Aviation Maintenance Tech	39.00
Aviation Maintenance Tech	95.00
Aviation Maintenance Tech	75.00
Aviation Maintenance Tech	88.00
Aviation Maintenance Tech	79.00
Aviation Maintenance Tech	81.00
Aviation Maintenance Tech	77.00

14% Failure Rate

Aviation Maintenance Tech	91.00
Aviation Maintenance Tech	38.00
Aviation Maintenance Tech	77.00
Aviation Maintenance Tech	75.00
Aviation Maintenance Tech	83.00

20% Failure Rate

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**What can we
conclude from this
data about the
future of GE
courses in the
Aviation Program?**

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- 21 students graduated in 2015
- 14 students graduated on time
- 7 students graduated, but not on time
- 2015 Graduation Rate was 59%
- It could have been over 80% without the GE courses

We Would Have Met Our Goal

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- 2015 Course Completion for AMT Courses: 88.8%
- 2015 Course Completion for GE Courses: 75.5%

We Would Have Missed Our Goal By Just 1%

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**Do Our
Students Need
or Even Want
An A.S.
Degree?**

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5-Week Courses?

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Proposed Schedule

Airframe OR Powerplant Course

Week: Monday thru Thursday
 Student Day: 8-hours a day
 Length of Aero: 5-weeks
 Time miss per Aero: 10-hours per 160 hours of study (No Make-Up)

<u>Aero Number</u>	<u>Credit-Units</u>	<u>Credit Hours</u>
<u>General</u>		
G1	4.0	160
G2	4.0	160
G3	4.0	160
<u>Airframe</u>		
A1	4.0	160
A2	4.0	160
A3	4.0	160
A4	4.0	160
A5	4.0	160
<u>Powerplant</u>		
P1	4.0	160
P2	4.0	160
P3	4.0	160
P4	4.0	160
P5	4.0	160
CS100 ¹	2.0	120
	<hr/> 54	<hr/> 2200

Total Time for Program: 69-weeks or around 15 to 16-months
¹ = Licensure Aero (Days are 6-hours each only)

Benefits of Switching

1. Program Will Be Shorten By 30-Days
 - a. Current Length: 482 days
 - b. Proposed Length: 452 days
- ❖ **6% Savings in Students' Time in the Program**

Benefits of Switching

1. We will have an extra **10-hours** in each module giving students personal time to use without making it up
 - a. No Friday Make-ups
 - b. If not in a GE class, students will have Friday's off to possibly work to make extra income to help with retention

Benefits of Switching

1. With the possible Part 147 curriculum changes on the horizon, with a 5-week module schedule, we would be more able to adapt to the new requirements and to the potential of the lengthening of the program
 - a. **General: Adding 50-hours**
 - b. **Airframe: Adding 100-hours**
 - c. **Powerplant: Subtracting 100-hours**

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To Accomplish the Teach Out

1. Need to hire another instructor by the July Start (7/19)
2. Starting with the May Start (5/18) move all students coming out of General to Airframe
3. Skip the September Start (9/15)
4. Start the 5-Week Program in November (11/14)

The Teach Out

1. General Teach Out will be accomplish by **November 2016**
2. Airframe Teach Out will be accomplish by **May 2017**
3. Powerplant Teach Out will be accomplish by **November 2017**



Program Review Report

Aviation Maintenance Technology



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Executive Summary



Mission Statement:

San Joaquin Valley College prepares graduates for professional success in business, medical, and technical career fields. The College serves a diverse student population with a common interest in professional development through career-focused higher education. The College is committed to student development through the achievement of measurable learning outcomes, emphasizing a balance of hands-on training and academic instruction. The College identifies and responds to the educational and employment needs of the communities it serves. The College is committed to the success of every student.



Objective:

Program Review is a faculty-driven inquiry process that provides a structure for continuous quality improvement of each academic program. The process brings together key program stakeholders to evaluate a wide range of data about the program in order to reflect on student learning. Upon concentrated analysis of the data portfolio, stakeholders use the results to construct plans for program improvement and enhancement.

Summary:

The Aviation Maintenance Technology Program Review was delivered in an asynchronous format within our D2L learning management system. This format allowed for deeper analysis of stakeholder participation, effective timeframe and historical capture. The program review began on March 18, 2016 and concluded April 18, 2016.

A total of three out of the four active participants completed the Preparation Self-Assessment with an average score of 72.5%. This self-assessment was to gauge participants' understanding of data analysis as it pertains to their program and courses. Further evaluation of these foundational concepts was demonstrated in discussion forums marked *Data Observation* and *Data Analysis*. These discussion forums were guided by the Curriculum and Assessment Department staff as facilitators.

Participants included: the Campus Director, Academic Dean, Instructors, CAO Academic Affairs and students.

There was one Program Improvement Proposal submitted. The proposal requests replacement of the current AMT degree program with a certificate-only program that would include an option for students who wish to earn their degree to do so via the online degree completion avenue. The PIP was approved by senior management and in June, a letter was submitted to the Vice President of ACCJC requesting the approval for this change. We are still awaiting the response to the letter.

Program Achievement Highlights: 2014 to 2015

AMT

- **Course Completion** had a slight decline of 2 percentage points (from 87% to 85%)
 - **GE only:** 79% to 76%
 - **Core only:** 1 percent dip (from 90% to 89%)
- **Attendance** no change (96%)
 - **GE only:** declined by 5 percentage points (from 83% to 78%)

- **Core only:** no change (98%)
- **Placement** improved by 8 percentage points (from 80% to 88%)
- **Graduation** declined by 7 percentage points (from 66% to 59%)
- **Learning Outcome Achievement** declined by 5 percentage points (from 80% to 75%)
 - **GE only:** declined by 9 percentage points (from 66% to 57%)
 - **Core only:** declined by 13 percentage points (from 90% to 77%)
- **Retention First Term** increased by 4 percentage points (from 90% to 94%)

FAA Certification Exam:

New CLOs were created that directly align with the FAA guidelines and certification questions. This change resulted in a combined average of FAA written exam scores increasing by 3% from 2012. Another positive result was that SJVC went from being 2% below the national average in 2012 to being 6% above the national average in 2016.

Placement:

Academic Year	AMT
2014	80% (30) placed
2015	88% (26) placed

Resources

Textbooks:

The number of textbooks was reduced and editions were updated based on instructor input. Bundles were separated and itemized on the Approved Textbook List to comply with the Department of Education regulation on tuition unbundling.

Library and Learning Resources Center Survey:

6/6 participants completed the LLRC Survey. Below are the summaries of that survey. See Action Plan 2 on page 9 for a response to the survey requests.

Responses	Sufficient Resources for Faculty	Sufficient Resources for Students
Yes	26%	26%
No	26%	22%
N/A	48%	52%

Resources that need improvement:

- A request was made to increase aircraft specific manuals that include maintenance, parts and overhaul.
- A comment was made to upgrade the LRC furniture.
- The previous concerns from faculty regarding physical, virtual and qualified human resources readily available to staff, faculty and students has been dissolved. Participant's responses indicated understanding of the resources available including information literacy where students have unlimited access to virtual resources via LIRN and at the expansive Fresno campus library.

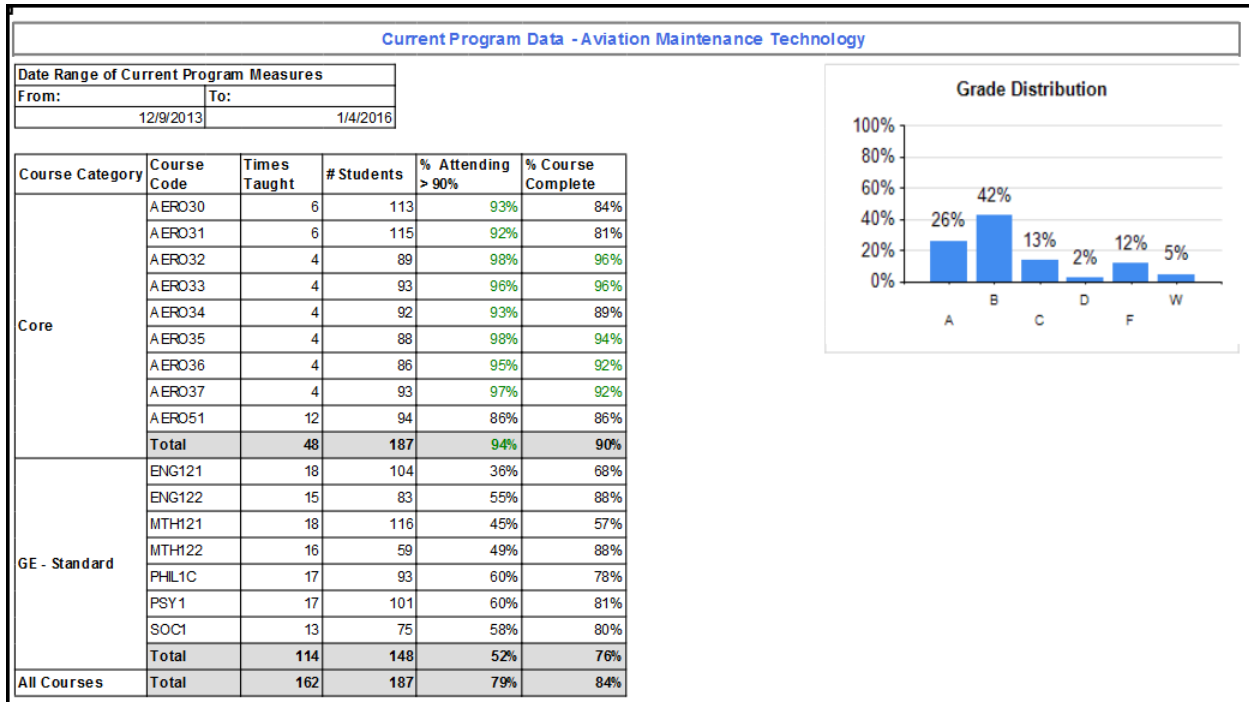
Support Resources:

- The LLRC system is satisfactory for our campus. The manuals that I am talking about are Aircraft Specific and do not have an ISBN.
- I believe students have ample availability of a variety of resources via our LLRC. Years ago, during an ACCJC/WASC site visit, it was noted that although we had plenty of aviation-related resources, we lacked a general library including non-aviation titles to help expand the minds of our students beyond technical skills. This was a great recommendation and we acted immediately to address it. Now students can ask our librarian for all sorts of titles from novels, to space travel, to history, and more. I can't think of anything else we could include in our LLRC and students haven't hinted they need anything more either.

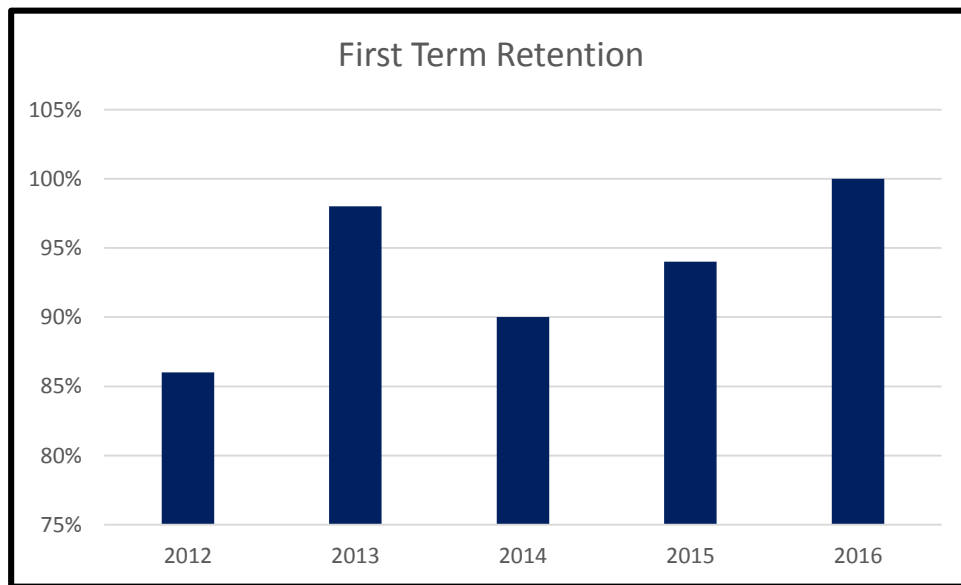
SJVC is improving its library collections. An institutional subscription to Ebrary Academic Complete (referred to hereinafter as "Ebrary") has been purchased. Ebrary, an online digital library database, provides access to more than 128,000 titles from leading publishers. Subject collections align with curricular foci for both core and general education courses. While library resources are being added through the library resource acquisition process, a formal evaluation of the available resources for every academic program and general education courses will be conducted in spring 2016. Based upon the evaluation results, additional resources may be purchased to ensure that library holdings effectively support instruction.

Course Statistics

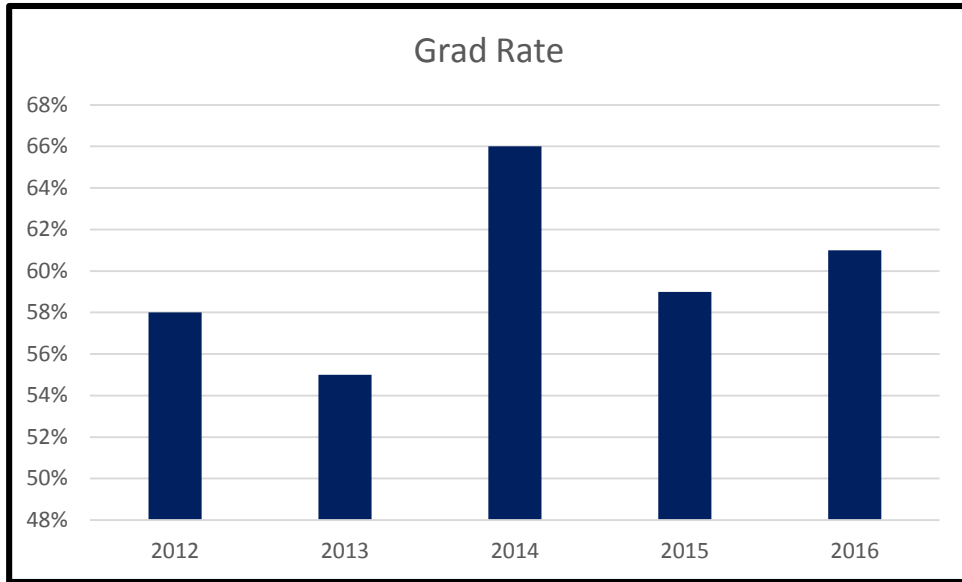
AMT Current Program Data – (Dec 2013 to Jan 2016)



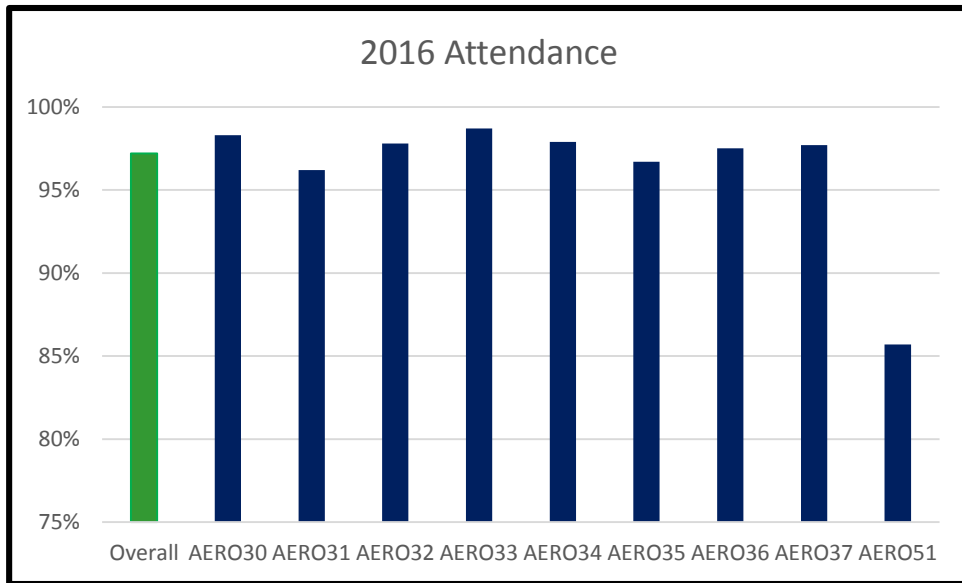
Retention:



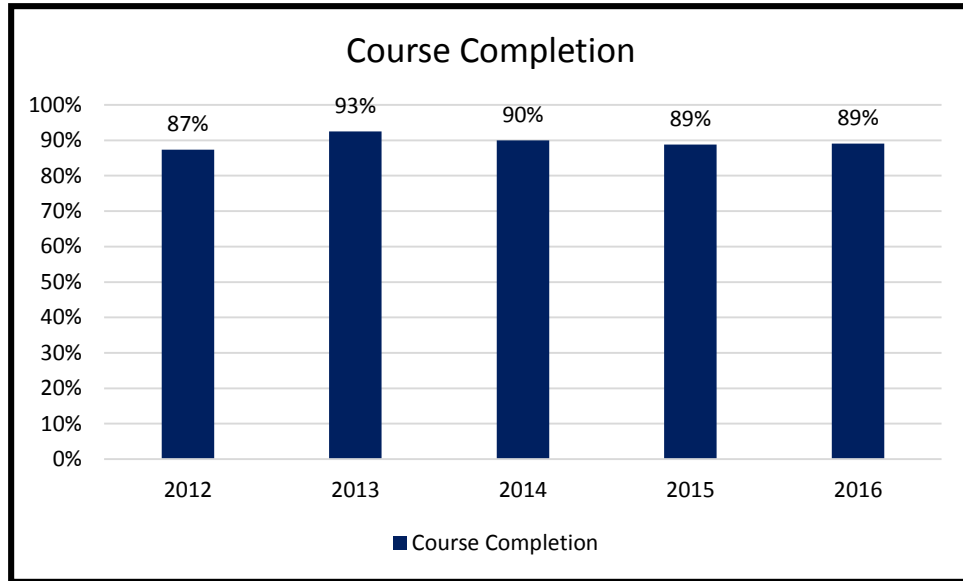
Graduation:



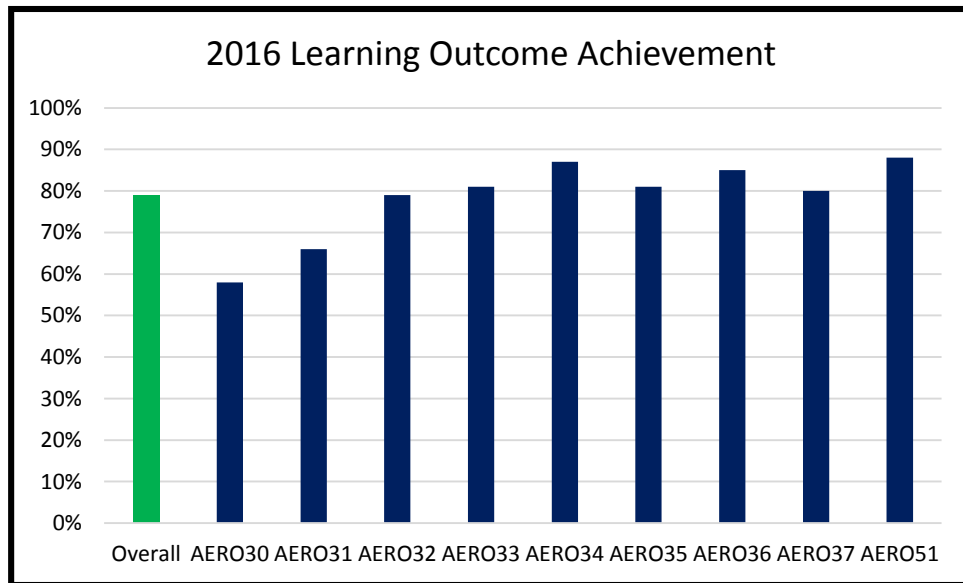
Attendance:



Course Completion (without GE):



Student Learning Outcomes:



Milestones

<u>Action Items</u>			
2016 Actions	Status	Expected Outcome	Impact
Action 1: Move General Education courses to the end of the AMT program with an option to pursue a certificate or degree	Approved by Senior Management Pending approval from ACCJC	Allows for better use of time in direct alignment with FAA guidelines and expected outcomes of our AMT graduates. <u>Expected Outcomes:</u> <ul style="list-style-type: none"> • CLO mastery from 79% to 85% • Course completion from 89% to 95% • Placement from 88% to 95% 	Pending data results on course completion, LO mastery and FAA pass rates.
Action 2: LLRC survey responses	Projected completion: November 2016	Ebrary Updating resources	Improved, current and relevant library resources

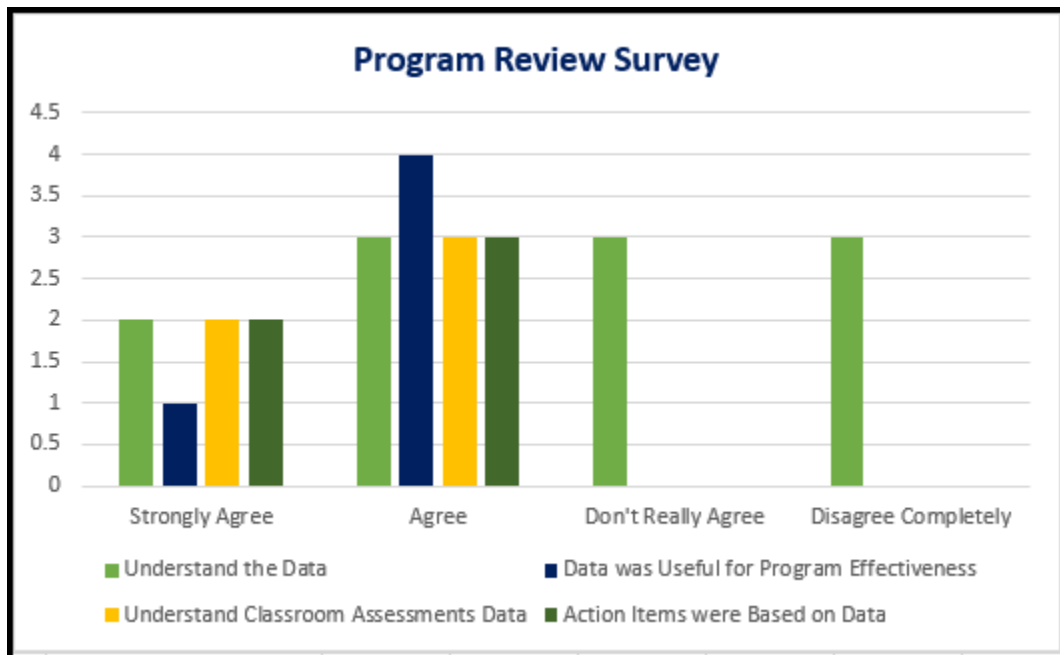
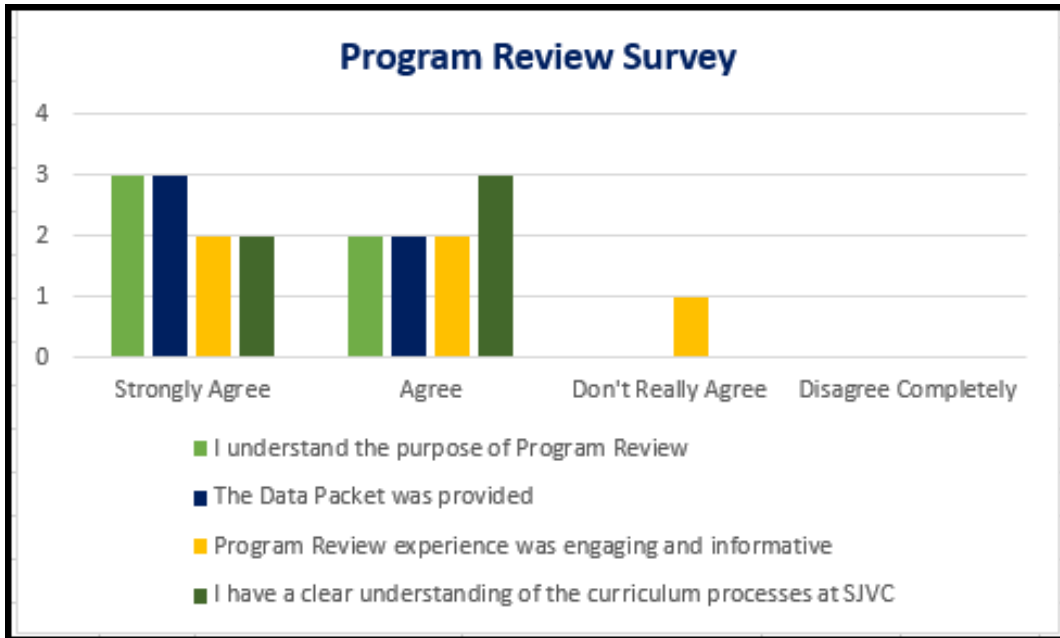
Closing the Loop:

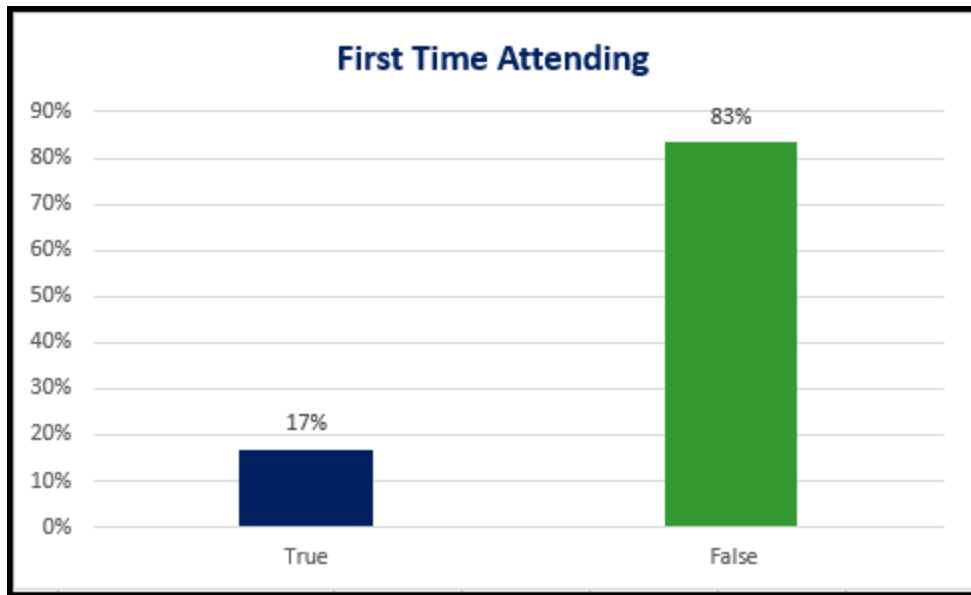
<u>Action Items from Program Review 2012</u>			
2014 Actions	Status	Expected Outcome	Impact
Action 1: Replace current Turbine Engine	Complete	Students will meet FAA Part 147 requirements	Negative impact noted. Average FAA written exam test score for Turbine Engine Technology section of the exam dropped 2.7% since 2012 A personnel change was made to improve student understanding. FAA exam average score held steady at 89%- still awaiting updated scores from FAA in the Fall of 2016
Action 2: Adding 36 computers to the campus	Complete	Subject assessments integrated with eCourses	Students receive immediate feedback on the outcome of the assessment including reference(s) for incorrect answers

<p>Action 3: Work with GE instructors to use common assessments, encouraging instructors to develop more cross-curricular activities</p>	<p>Complete</p>	<p>Make GE more impactful and meaningful with integrated aviation/GE subjects</p>	<p>Strong negative impact noted. Attendance has fallen 7.4% and completion rate has fallen 18.8% since 2012 for GE courses</p>
<p>Action 4: Follow up on reporting of ILO assessment results. Reports are not currently reporting accurately even though ILO assessment tools are being used</p>	<p>Not Completed</p>	<p>Evidence program is meeting ILO goals</p>	<p>A reporting feature would facilitate efficiency</p>
<p>Action 5: Dean will forward the new course descriptions for Aero 34 and 36 to Academic Affairs</p>	<p>Complete <u>Course Completion Rate</u> Aero 34- 82% Aero 36- 85%</p>	<p>Revise course descriptions and increase course completion rate by 2%</p>	<p>Students are better informed on course expectations <u>Course Completion</u> AERO34- 87% AERO36- 86%</p>
<p>Action 6: Check on changing course name and numbers for Aero 34 and 36</p>	<p>Not Completed</p>	<p>Better alignment with FAA expectations for students</p>	<p>Will consider this proposal at a later date due to upcoming FAA regulation updates</p>
<p>Action 7: Creation of new CLOs for Aero 51</p>	<p>Completed</p>	<p>Align with PLOs and FAA examinations</p>	<p>Positive impact noted. Combined average of FAA written exam scores increased by 3% since 2012, from 2% below the national average in 2012 to 6% above the national average in 2016</p>

(Six in-person attendees and two CAO representatives during the last AMT Program Review in 2012)

Program Review Experience



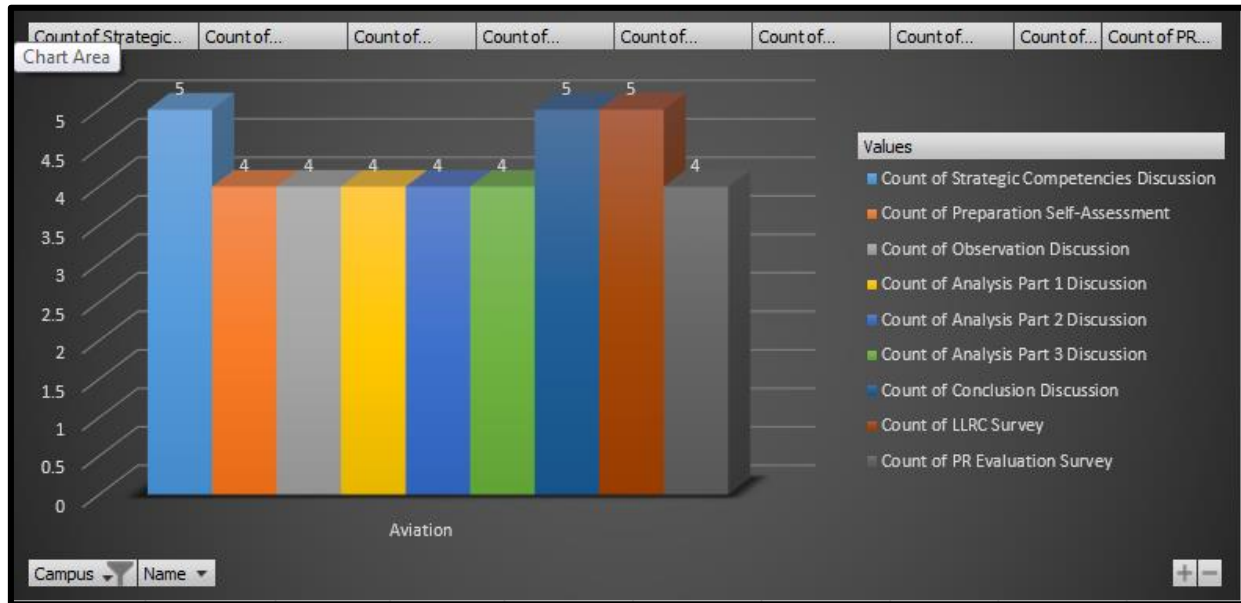


Program Improvement Proposal:

One Program Improvement Proposal was submitted by the Aviation campus. The proposed changes are unanimously agreed upon by Aviation staff and faculty and would change the schedule for all General Ed courses in the Aviation program. Summary of findings:

Change	Justification
<p><i>Reschedule General Education (GE) component as a degree option at the end of the certificate program</i></p>	<p><i>Removal of GE courses is further justified when comparing the total credit units other SJVC AS degrees require (60-68 credit units) versus the AMT program (95 credit units).</i></p>
	<p><i>Students would be better served by a 74 credit unit Airframe & Powerplant (A&P) program, which would not include the current 21 credit unit GE course load. These GE courses could be offered to qualified and interested grads of the A&P certificate program as an online Degree Completion option.</i></p>
	<p><i>A recent survey conducted in preparation for the 2016 AMT Program Review revealed that while 66% of first-term students favor the AS degree, this figure drops to 33% after the first 4 months into the program.</i></p>

Participation



Topic Name	Number of Posts					Post Ratings		
	Threads	Replies	Pinned	Unapproved	Scored	Up	Down	Star
Observation Discussion	3	3	0	0	0			0
Analysis Part 1 Discussion	2	2	0	0	0			0
Analysis Part 2 Discussion	4	2	0	0	0			0
Analysis Part 3 Discussion	3	2	0	0	0			0
Conclusions	1	4	0	0	0			0
Strategic Competencies	6	7	0	0	0			0
General Education Component	1	3	0	0	N/A			0
Conversion to a 5-Week Course Structure	1	3	0	0	N/A			0
Upcoming Curricular Changes	1	3	0	0	N/A			0
Aviation Students' Textbooks	1	3	0	0	N/A			0
Total	23	32	0	0	0	0	0	0

Row Labels	Count of Strategic Competencies Discussion	Count of Preparation Self-Assessment	Count of Observation Discussion	Count of Analysis Part 1 Discussion	Count of Analysis Part 2 Discussion	Count of Analysis Part 3 Discussion	Count of Conclusion Discussion	Count of LLRC Survey	Count of PR Evaluation Survey
Aviation	5	4	4	4	4	4	5	5	4
Jack Macfarlane	1	1	1	1	1	1	1	1	1
Jason Alves	1	1	1	1	1	1	1	1	1
Joseph Wong	1						1	1	
Lionel Smith	1	1	1	1	1	1	1	1	1

AMT Discussion Participation Detail									
[Id]	[Username]	[First_name]	[Last_name]	[Program]	[Threads]	[Replies]	[Read (including own)]	[Unapproved]	[Scored]
10107	RichardSi	Richard	Simmons	AMT	11	1	24	0	0
12068	Jack.Macfarlane	Jack	Macfarlane	AMT	4	7	22	0	0
13110	Lionel.Smith	Lionel	Smith	AMT	2	8	36	0	0
12765	Joseph.Wong	Joseph	Wong	AMT	2	0	6	0	0
14208	Melissa.Godinez	Melissa	Godinez	AMT	2	0	2	0	0
14421	Pamela.Coleman	Pamela	Coleman	AMT	1	0	8	0	0
10678	jason.alves	Jason	Alves	AMT	0	10	28	0	0
14416	Eartha.Reed	Eartha	Reed	AMT	0	1	55	0	0
14419	Mikala.Chislom	Mikala	Chislom	AMT	0	1	21	0	0
11865	todd.gervais	Todd	Gervais	AMT	1	4	50	0	0

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Outcome: <u>Approved - SM</u>
Date: <u>May 18, 2016</u>
PR Number: <u>160318</u>

STANDARD: Proposed program improvements must support the outcomes of the program and be in alignment with SJVC’s Mission Statement and Strategic Plan.

POLICY: The Proposal form is to be completed in full and submitted with support documentation to CurriculumImprovements@sjvc.edu *between 60- 90 days prior* to the department’s Program Review for peer review and institutional determination.

PROCESS: Complete and submit the Program Improvement Proposal to CurriculumImprovements@sjvc.edu. Attendees at the Program Review will vote on adoption of the proposal. If approved, the proposal is forwarded to Senior Management for their review.

TIMELINE: Program changes take a *minimum* of 120 days to implement. Please plan accordingly.

- Program Improvements include but are not limited to:**
- Any change needing approval by an accreditation body
 - Clock hour or unit value changes
 - Program name or course names
 - Changes to Program Learning Outcomes (PLOs)
 - Matrix changes
 - Changes to performance standards (typing tests etc.)
 - Combining, deleting or adding courses

Campus:	<i>Aviation</i>
Program:	<i>Aviation Maintenance Technology (AMT)</i>
Contact Person:	<i>Jack Macfarlane, CD</i>
Person Requesting:	<i>Jack Macfarlane, CD</i>
Date:	<i>April 11, 2016</i>

Improvement Information:	
Describe each proposed change and the reason each will improve the program.	
Change	Justification
<i>Remove General Education (GE) component from AMT program</i>	<ul style="list-style-type: none"> • <i>In addition to the reasons listed above, removal of GE courses is further justified when comparing the total Credit Units other SJVC AS degrees require (60-68 Credit Units) versus the AMT program (95 Credit Units).</i>

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	<ul style="list-style-type: none"> • <i>Students would be better served by a 74 Credit Unit Airframe & Powerplant (A&P) program, which does not include the current 21 Credit Unit GE course load. These GE courses could be offered to qualified and interested grads of the A&P certificate program as an online Degree Completion option.</i> • <i>A recent survey conducted in preparation for the 2016 AMT Program Review revealed that while 66% of first-term students favor the AS degree, this figure drops to 33% after the first 4 months into the program.</i>
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SECTION 1: Measurement What metrics will be used to evaluate the effectiveness of the proposed changes? (Placement, licensure, certification, CLO/PLO achievement, course completion, etc.)

What is the current status and what is the expected target?

Metric	Current	Target	By When
<i>Graduation Rate</i>	<i>59%</i>	<i>70%</i>	<i>December 2017</i>

SECTION 2: SUPPORT DATA (Include as an attachment documentation from outside sources and of student success that support the need for the changes)

2.1 Documentation: Support documentation includes but is not limited to: Advisory Board minutes or statements from members; statements from career service department, extern sites or employers; documentation of programmatic regulations from accreditation associations or new laws and/or legislation; research on current industry trends; course comparison with other institutions

2.2 Student Success Data: Student Success Data includes but is not limited to: CLO data, PLO data, Placement data, Licensure/ Certification data, Retention data, Enrollment data, Attendance data, Course surveys

List of support data:

Explain how the data listed above support the proposed changes

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GE Performance of Aviation Students (Current and Historical Data)

Summary of Current Online GE Performance Per Campus (April, 2016):

(Note 38% Failure rate for Aviation campus)

Detail of Individual Aviation Student Performance in Online Gen Ed (same timeframe as above)

Row Labels	Count of StuName2	Average of Score	Grade A	Grade B	Grade C	Grade D	Grade F	Percentage of F's	Percentage of Participation
Hanford	4	29.00	0	0	0	1	3	75%	50%
Lancaster	23	60.48	5	4	0	1	13	57%	91%
Aviation	8	64.50	0	2	3	0	3	38%	75%
Bakersfield	17	71.82	3	5	2	2	5	29%	94%
Fresno	45	66.96	10	14	8	1	12	27%	82%
Visalia	4	82.50	2	1	0	0	1	25%	100%
Online	786	75.71	258	194	114	43	177	23%	92%
Hesperia	20	76.15	4	4	5	3	4	20%	100%
Modesto	32	77.75	11	5	7	4	5	16%	94%
Temecula	29	82.00	12	9	1	3	4	14%	100%
Ontario	3	87.67	1	2	0	0	0	0%	67%
(blank)									
Grand Total	971	74.91864	306	240	140	58	227	29%	84%

InstructorName	Course	CourseSt	StuName2	StuNum2	Score	Grade
Bailey, Gina	PHIL1C	3/14/2016	Kamplain, Richard	KACO0922	51	F
Frahm, Michael	MTH121	3/14/2016	Finch, Ryan	FIRY5885	85	B
Green, Maureen	SOC1	3/14/2016	Reznicek, Corban	RECO5882	21	F
Green, Maureen	SOC1	3/14/2016	Soto, Victor	SOVI3055	71	C
Kenrick, Anastasia	ENG122	3/14/2016	Reyna, Daniel	REDA3194	78	C
Rachal, Jennifer	PHIL1C	3/14/2016	Mckinney, John	MCJO7584	81	B
Vineski, Patricia	ENG121	3/14/2016	Kanthi, Ranjan	KARA6924	77	C
Vineski, Patricia	ENG121	3/14/2016	Wegner Jr, Richard	WERI0154	52	F

Performance on AMT Courses of Students Failing Above Online GE Courses

- **Kamplain, Richard:** Failing online PHIL1C with a 51%; all scores over 87% in Aviation courses
- **Reznicek, Corban:** Failing online SOC1 with a 21% (failed other Gen Ed courses in the past); Failed first Aviation course but has maintained a 75% and above in all consequent Aviation courses.
- **Wegner, Richard:** Failing online ENG121 with a 52%; all scores over 77% in Aviation courses

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2012-2014 AMT Course Performance vs. Gen Ed performance for the same period
 (Note low course completion percentages and attendance well below standards in Gen Ed courses)

Course Category	Program Data for 2012-2013					Program Data for 2013-2014				
	Course Code	Times Taught	# Student	% Attending > 90%	% Course Complete	Course Code	Times Taught	# Student	% Attending > 90%	% Course Complete
Core	AERO30	4	69	91%	74%	AERO30	4	51	92%	86%
	AERO31	4	67	94%	78%	AERO31	5	51	96%	86%
	AERO32	4	50	100%	98%	AERO32	4	42	100%	100%
	AERO33	4	50	98%	94%	AERO33	4	43	91%	91%
	AERO34	4	51	100%	94%	AERO34	5	45	95%	91%
	AERO35	4	48	98%	98%	AERO35	4	44	98%	91%
	AERO36	4	51	100%	96%	AERO36	5	45	93%	91%
	AERO37	4	49	98%	98%	AERO37	5	40	98%	95%
	AERO51	8	50	92%	90%	AERO51	10	41	86%	90%
	Total	40	66	96%	90%	Total	46	49	94%	91%
GE - Standard	ENG121	7	51	69%	88%	ENG121	12	49	39%	76%
	ENG122	6	44	62%	91%	ENG122	12	38	46%	84%
	MTH121	6	52	69%	87%	MTH121	15	47	50%	70%
	MTH122	7	45	67%	93%	MTH122	14	34	48%	91%
	PHIL1C	11	56	82%	93%	PHIL1C	14	51	67%	73%
	PSY1	8	48	69%	88%	PSY1	9	39	44%	87%
	SOC1	8	50	64%	90%	SOC1	15	44	56%	75%
	Total	53	61	69%	90%	Total	91	46	51%	78%
All Courses	Total	93	66	85%	90%	Total	137	49	79%	86%

SECTION 3: ALIGNMENT WITH OUTCOMES

Provide a narrative that explains how the proposed changes align with and support the Student Learning Outcomes identified within the program. (Academic Affairs to complete)

Following are the current AMT Program Learning Outcomes:

PLO-1: Demonstrate a solid foundation of general aviation knowledge as required to perform effectively and safely as a capable licensed Airframe and Powerplant mechanic

PLO-2: Service, inspect, repair, and troubleshoot airframe structures and related components in accordance with applicable regulations while following safety procedures

PLO-3: Service, inspect, repair, and troubleshoot aircraft engines and related components in accordance with applicable regulations while following safety procedures

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PLO-4: Relate and apply concepts of communication, reasoning, critical analysis, ethical behavior and appropriate interpersonal interaction to situations in his or her career and personal life

The Aviation Maintenance-specific PLOs (PLO 1-3) would not change. PLO 4, however, appears based on GE participation thus we recommend its removal.

SECTION 4: TEACH-OUT

A “teach-out” is when current students will need to finish their original class schedule while new students will be given the changes – this can create the need for additional classrooms, teachers, or changes to student contracts. (Used for assessing the financial impact of the changes)

This proposal will create a “Teach Out” situation: Yes No

Describe the plan for addressing a teach-out situation:

Transition to a Cert-Only AMT Program will require a teach-out of the GE courses that students in the AS degree are required to take. No new resources or classrooms will be needed. Students under the new A&P Certificate program will not be enrolled in GE classes. Those under the current AS degree program will continue taking GE courses as scheduled. Program length will not be affected.

SECTION 5: IMPACT ON STUDENTS

*Provide a detailed narrative that clearly explains how the proposed changes will impact current student **schedules** and/or **campus experience** both positively and negatively.*

The proposed change will improve campus experience greatly by affording students the opportunity to focus fully on aviation maintenance subjects and by allowing students a full day of FAA make-up on Fridays. Students who do not require make-up can work part-time jobs on Fridays (this is often a reason why students miss Friday Gen Ed courses). There is no negative impact anticipated as a result of the proposed change.

SECTION 6: IMPACT ON FACULTY

*Provide a detailed narrative that clearly explains how the proposed changes will impact any **faculty scheduling** or **qualifications**. Will additional faculty be needed? Will current faculty need additional training? (Used for assessing the financial impact of the changes)*

Aviation faculty and online Gen Ed instructors will not be impacted. Our three on-ground Gen Ed instructors only teach for 5 hours per week on Fridays. These instructors will teach out their respective courses and be offered opportunities to teach elsewhere as available.

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SECTION 7: IMPACT ON RESOURCES

Provide a detailed narrative that clearly explains how the proposed changes will require modifications to current **classroom space/ facility usage** or require new/additional **equipment**. (Used for assessing the financial impact of the changes)

No impact on resources.

SECTION 8: IMPACT ON PROGRAMATIC ACCREDITATION

Does your program have an external accrediting body? What are their requirements for this sort of change?

No impact on FAA requirements (there would be no changes to A&P curriculum as a result of this program improvement plan). Changes may impact programmatic ACCJC/WASC and BPPE accreditation.

SECTION 9: ACADEMIC LEADERSHIP INPUT

A statement from the Academic Dean (Campus Director if submitted by the Academic Dean) documenting their knowledge and support of the proposed improvement is necessary to process the proposal (Separate Attachments or emails to the Curriculum Specialist are acceptable).

Input from our Academic Dean, Jason Alves

For illustration purposes, following are two typical AMT students who are struggling with the added load of Gen Ed courses:

Brian Swank, an excellent mechanic with a bright future in this industry, who averages a 3.00 GPA in his aviation courses, struggles with keeping up with Gen Ed courses. We allow him to use extra time to work on his Gen Ed course material because if we did not, he would be failing Gen Ed courses like he did four times already since starting the program. He has tried online and on ground and in both circumstances he has struggled with the Gen Ed courses. He registered for online courses to be able to work more on the weekends and was unable to pass the course due to its heavier workload. He consequently quit his job, leaving his family in economic distress, which caused him once again to take an LOA from the program. He did this to tackle his Gen Ed courses on ground, but still is having a hard time due to the stress he has at home with less money coming in and family commitments to his wife and children. When asked what would be the ideal solution to help him in this situation, he says, "I want a degree, I just wish I had the option to completed after I get a job."

Sarah Mann, a recent graduate of the aviation maintenance side of our program, but not a graduate counted toward our Graduation Rate due to her not graduating on time because of her late completion of Gen Ed courses. She attempted to take online courses to finish on time, but due to the extra workload that it caused, she had to take some courses over, which extended her completion date. She is a classic example of an excellent mechanic who will represent SJVC well out in the industry, but because the requirements we put on her to earn an A.S. degree, she has suffered. An example of this is the difference in her GPA between her aviation courses as compared to her Gen Ed courses. Her aviation GPA was 3.44 while her Gen Ed GPA was 1.44. As an FAA-certified Designated Mechanic Examiner (DME), I have no problem with her mechanic skills and would recommend her for any job she wishes to pursue, but unfortunately her transcripts will always show her troubled performance in Math, English, etc. and those classes have no bearing on her mechanical skills, which I judge as being top notch.

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Input from Campus Director, Jack P. Macfarlane

Students at the Aviation campus would be better served by an Aviation Maintenance Technology program that does not include an additional seven Gen Ed courses in an already heavy FAA curriculum. Moreover, employers have shown a general indifference toward the significance and applicability of the AS degree in their hiring decisions and have instead suggested more emphasis on aviation maintenance skills. The removal of the Gen Ed component would afford students the opportunity to focus fully on gaining critical maintenance skills while at the same time increasing their chances for participation in FAA make-up sessions (this will greatly decrease AERO courses repeats). The two Gen Ed options currently available do not suit the needs of our students adequately: (1) the 5-week online Gen Ed courses have proven to be too rigorous when paired with our 9-unit AMT courses, and (2) the Gen Ed courses we offer at the campus on Friday mornings are 9 weeks long, which means that if a student has to retake one, it will likely extend the graduation date.

What might function better instead is making available some sort of post-graduation AS degree completion option online. With this option, qualified AMT grads who are seeking the AS degree may enroll online to complete the needed Gen Ed courses for the degree.

Input from the AMT Program Director, Richard Simmons

- 1. The FAA 147 manual that outlines our curriculum requirements already includes Math and Physics.*
- 2. Because the 147 mandates that students complete 1900 hours of training, the students are required to be involved in the subject area topics for 8 hours a day, 4 days a week. This leaves very little time for them to complete the requirements of the Gen Ed classes. I often see students trying to complete homework and projects for Gen Ed classes during lunch and break times. I have had several of them ask if they could complete homework for Gen Ed classes while they are in Aero classes. We can't allow this because of the strict FAA time requirements outlined in the 147 manual.*
- 3. The AS Degree is not a requirement by most employers to get jobs in the Aviation Maintenance field. Where the degree becomes desirable is later on, when aircraft mechanics want to advance into positions of leadership in the maintenance field (i.e., Lead Mechanic, Supervisor or Manager). The problem with the current AS degree program is that students really struggle trying to manage the load of the FAA Aero Classes running concurrently with the Gen Ed classes.*