

Aviation Maintenance Technician	Program Courses										General Education Courses						
	AV 193 General 102	AV 194 General 104	AV 192 General 101	AV 195 General 104	AV 196 General 105	AV 281 Powerplant	AV 279 Airframe	AV 283 RTS Powerplant	AV 282 RTS Airframe	AV 280 Cooperative Education	Arts and Letters	HE 125 Workplace Safety	Human Relations	MTH 086 Applied Algebra for Technicians	Science/Math/Computer Science	WR 115W Intro to College Writing	
Associate Degree Credit Hours (109 Total Credits)	6	6	6	6	6	24	24	6	6		3	3	3	4	3	3	
Two-year Certificate Credit Hours (103 Total Credits)	6	6	6	6	6	24	24	6	6			3	3	4		3	
Program Learning Outcomes																	
Demonstrate employability skills required for initial employment and advancement in the industry that include: attendance, proper attire, customer relations, following directions, working in teams, and understanding work rules and ethics.	P	P	P	P	P	P	P	P	P	P		P	P				
Demonstrate safe work practices and tool usage while performing operations in a shop environment.	P	P	P	P	P	P	P	P	P	P		P					
Repair and maintain the operating condition of aircraft.	P	P	P	P	P	P	P	P	P	P		S					
Pass the FAA written, oral and practical examinations for licensing.	P	P	P	P	P	P	P	P	P	P		S					
Perform computations for gear ratios, engine displacement, electrical circuits, power output, vehicle alignment angles, conversion between the metric system and standard system, and use of precision measuring tools.	P	P	P	P	P	P	P	P	P		S			P	P		
Demonstrate technical abilities in researching, accessing and interpreting written, computer program or web-based reference materials for construction and carpentry.	S	S	S	S	S	S	S	S	S		P		S		S	P	
Core Abilities																	
Communicate effectively.	P	P	P	P	P	P	P	P	P		S	S	P	S	S	P	
Think critically and solve problems effectively.	P	P	P	P	P	P	P	P	S		P	S	S	P	P	S	
Increase understanding of the relationship between self and community, including self-awareness and personal responsibility.	S	S	S	S	S	S	S	S	P		P		P				
Explore academic disciplines of liberal arts, social sciences, and physical sciences.											P	P	P	P	P	P	
Learning College Principles																	
Learners are active partners in the learning process.	P	P	P	P	P	P	P	P	P								
Learners are self-directed.	P	P	P	P	P	P	P	P	P	P							
Multiple learning options for diverse learners.	P	P	P	P	P	P	P	P	P								
Learning is promoted across organizational boundaries.										P	P	P	P	P	P	P	
Learning is substantive and documented.	P	P	P	P	P	P	P	P	P	P	P	S	S	S	S	S	
Assessment Methods																	
Technical Skill Performance Observation/Evaluation	P	P	P	P	P	P	P	P	P								
Employability Skills Evaluation	P	P	P	P	P	P	P	P	P								
Group Project																	
Journaling																	
Library Research																	
Oral Report/Presentation																	
Peer Assessment																	
Portfolio																	
Pre and Post Test																	
Project Evaluation	P	P	P	P	P	P	P	P	P								
Quizzes	P	P	P	P	P	P	P	P	P								
Self Assessment																	
Written Report																	
Written Tests/Examinations	P	P	P	P	P	P	P	P	P								

P = this is a primary course for meeting the program learning outcome, core ability, learning college principle, or assessment method.

S = this course meets some of the program learning outcome, core ability, learning college principle or assessment method.

Advanced Technology Division – Assessment Plans 9/22/05

Aviation Maintenance

Program Learning Outcomes/Goals	Assessment Indicators
1) <i>Demonstrate employability skills required for initial employment and advancement in the industry that include: attendance, proper attire, customer relations, following directions, working in teams, and understanding work rules and ethics.</i>	80% of the first year students will qualify for the "select student" status by receiving a recommendation from a full-time contracted faculty member. 90% percent of the second year students will complete their programs in the "entry level employee" status. Criteria to qualify for the "select" status will be determined and published by the faculty prior to the start of the academic year.
2) <i>Demonstrate safe work practices and equipment usage while performing operations in a workstation environment.</i>	90% of all students will pass a safety written and demonstration test.
3) <i>Repair and maintain the operating condition of aircraft.</i>	90% of the students who complete the program will have gained the necessary competencies to obtain entry level employment.
4) <i>Pass the FAA written, oral and practical exams for licensing.</i>	HOW Written, Oral and Practical exams WHO Test administered by non campus source FAA (Federal Aviation Administration or its representative), a DME (Designated Maintenance Examiner) WHEN After completion of the program CRITERIA FAA standards DOCUMENTATION FAA forms and procedures the are sent and kept on file at the FAA headquarters in Oklahoma City, OK COMMUNICATED Student is issued a license After doing the exercise on this one outcome we realized that it was not complete, because the information on newly licensed students should be shared with the Advisory Committee and included on our unit plan. We will resume assessment work on the remaining Outcomes/Goals kb
5) <i>Use basic mathematics skills, formulas and right angle trigonometry.</i>	90% of the program completers will pass a final program computations examination with a 70% or better score

Advanced Technology Division – Assessment Plans 9/22/05

6) *Demonstrate technical abilities in researching, accessing and interpreting written, computer program or web-based reference materials.*

All students will conduct research with citations in a written report in both the first and second year of the program.

Program Operating Analysis - FY 2006

Aviation Maintenance

	Fiscal Year 2006	Expected Model	Actual	Difference	IRAP	Analysis
1	Enrollment	H				High, Medium or Low Cost Program
2	Reimbursable Student FTE	59.17	57.67		54.3	510 contact hours = 1 R-SFTE
3	Credit Hour Student FTE	30.00	29.24		29.2	45 Credit Hours = 1 CrdHr-SFTE
4	Staffing					
5	Full-time Equivalent Faculty	2.700	3.000	11%		Actual = Enrollment Reports FY06
6	Part-time Equivalent Faculty	0.300	0.000	-		Actual = Enrollment Reports FY06
7	Total Faculty FTE	3.000	3.000	0%		
8	Budget					
9	FT Faculty Dollars	165,378	194,090	17%		Actual = Banner FY06, Period 14
10	PT Faculty Dollars	11,944	2,286	-81%		Actual = Banner FY06, Period 14
11	Lab Assistant Dollars	15,000	-	-		Actual = Banner FY06, Period 14
12	OPE	98,320	103,445	5%		Actual = Banner FY06, Period 14
13	Materials and Supplies	12,000	9,139	-24%		Actual = Banner FY06, Period 14
14	Equipment	15,000	-	-		Actual = Banner FY06, Period 14
15	Direct Instruction Costs	317,642	308,960	-3%	316,181	Expenses are lower than expected.
16	Operating Ratios					
17	R-SFTE/Total Faculty FTE	19.72	19.22	-3%		
18	CrdHr-SFTE/Total Faculty FTE	10.00	9.75	-3%		Faculty are serving fewer students.
19	Cost / R-SFTE	5,368	5,357	0%	5,820	
20	Cost / CrdHr-SFTE	10,588	10,566	0%		Cost per student is lower than expected.
21						
22	Revenue		Revenue	Difference	IRAP	
23	Tuition		84,869		87,445	FY06 Tuition Rate x CrdHr SFTE x 45
24	Program Fees (Differential)		-		-	Credit Hours x \$27.92
25	Public Support / CrdHr SFTE	3,807	219,550		207,084	RFTE*\$3,807
26	Other Instructional Revenue					
27	Total Operating Revenue		304,419		294,529	Contribution to Total College Revenue
28	Instructional Function Revenue	54.5%	165,908			Based on Model's Functional Cost Ratios
29	Direct Instruction Revenue	83.3%	138,199	-55%		Expenses are Greater than Revenue
30						Faculty, Lab Assts, M&S, Equip Costs
31	Indirect Instruction Revenue	16.7%	27,709			Portion of indirect instructional costs
32	Other Functions Revenue	45.5%	138,511			Student Svs, College Svs, etc.

