



Student Name _____

School / Training Facility _____

**ARTICULATION COMPETENCY RECORD
Baker College**

Please check below each skill the student has mastered with a minimum of 80 percent accuracy.

AVT251A Aircraft Systems

Task		Satisfactory	Unsatisfactory
1.	With the successful completion of this course the student will have professional pilot knowledge and understanding of the following areas related to aircraft systems, troubleshooting, and maintenance:		
	a. Aircraft Powerplants: Reciprocating and Turbine		
	i. Engine Instruments		
	ii. Lubricating Systems		
	iii. Cooling System		
	iv. Ignition System		
	v. Turbochargers		
	vi. Fuel Control Units		
	b. Aircraft Fuel Systems		
	i. Tanks and Pumps		
	ii. Fuel Delivery and Transfer		
	iii. Drains, Sumps, Filters		
	c. Aircraft Electrical Systems		
	i. Lead-Acid Batteries		
	ii. NiCd Batteries		
	iii. Aircraft Alternators & Generators		
	iv. Starters		
	v. Electrical System Controls and Distribution		
	vi. Load Shedding		
	d. Propellers: Fixed Pitch and Constant Speed		
	e. Landing Gear systems, Brakes and Tires		
	f. Aircraft Hydraulic Systems		
	g. Environmental and Pressurization Systems		
	h. Deicing Systems		
	i. Pneumatic Systems		
	j. Aircraft Lighting		
	k. Aircraft Instrumentation		
	i. Gyro Instruments		
	ii. Pitot-Static System and Instrumentation		
	iii. Basic Communication and Navigation Radio concepts		
	iv. Magnetic Compass		
	l. Emergency Locator Transmitter		
	m. Aircraft Structures and Flight Control Surfaces		

2.	The student will be able to explain the importance of the following:			
a.	Aircraft Airworthiness			
b.	Airplane Parts			
c.	Engine Overhauls			
d.	Aircraft Inspections			
e.	Aircraft logbooks			
f.	Federal Aviation Regulations pertaining to the maintenance requirements of aircraft			

Teacher signature _____ Date _____