



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.

WELD126 Shielded Metal Arc Welding

Task		Satisfactory	Unsatisfactory
1.	Demonstrate appropriate safety precautions for shielded metal arc welding (SMAW).		
	a. Apply general industrial safety precautions while working.		
	b. Apply necessary safety precautions related to welding.		
	c. Demonstrate appropriate use of personal protection equipment.		
	d. Properly set-up and tear down welding machinery		
2.	Distinguish when and why various types of welding processes are used.		
	a. Identify the consumables and their uses for shielded metal arc welding (SMAW).		
	b. Identify the uses for brazing and soldering.		
	c. Investigate the advantages and limitations for shielded metal arc welding.		
3.	Demonstrate various techniques for shielded metal arc welding (SMAW).		
	a. Identify defects in a weld and what caused them.		
	b. Determine the quality of a weld.		
	c. Examine the positions needed for various welding situations.		
	d. Identify various joint fit-ups used in welding.		
	e. Identify appropriate filler metals and their uses.		
	f. Identify various electrodes and their uses.		
	g. Examine the 5 essentials of welding. (SMAW)		
	h. Identify the parts of a weld.		

Teacher signature _____ Date _____