Program Learning Outcomes Mapping – Skilled and Technical Programs – AY 2021-22

*Note – these programs utilize a strict attendance policy and a robust one-on-one teacher to student experience yielding positive results

Automotive/Diesel Service Technology					
Core Abilities	Program Learning Outcomes	Assessment Activity	Benchmark/Target	Results	
Technology	Gain a thorough knowledge of industry and OSHA safety	Watch OSHA safety	Written/Hands-on performance	100%	
Occupational Skills	standards for mechanical safety, hazardous waste material	video and take the	70% pass rate		
Live Skills	control, handling and disposal, and proper vehicle lift safety.	safety test			
Social Values					
Technology	Demonstrate knowledge and skills to inspect, diagnose, and	Carefully inspect and	Written/Hands-on performance	100%	
Occupational Skills	repair to industry standards the major systems found in	align suspension	70% pass rate		
	current auto and diesel vehicles.	parts of auto and			
		diesels			
Communication	Identify and explain the function of automotive and diesel	Parts ID Checklist	Written/Hands-on performance	90%	
Occupational Skills	parts and systems.		70% pass rate		
Occupational Skills	Demonstrate proper technique while performing routine	Inspection Checklist	Written/Hands-on performance	90%	
	inspections and preventive maintenance on diesel		70% pass rate		
	technology.				
Technology	Demonstrate proper techniques involved in completely	Hands on activity of	Written/Hands-on performance	100%	
Occupational Skills	removing, disassembling, cleaning, servicing, and re-	disassembling an	70% pass rate		
Communication	assembling an automotive and diesel engine.	engine and putting it			
		back together			
Technology	Determine the proper use of hand tools and	Using the diagnostic	Written/Hands-on performance	100%	
Occupational Skills	advanced diagnostic equipment commonly used in the	scan tool to	70% pass rate		
	service and repair of automotive and diesel technology.	accurately diagnose			
		an engine problem			
Life Skills	Accurately calculate mathematical problems common to the	Test	Written/Hands-on performance	90%	
Occupational Skills	automotive and diesel technology industry such as, but not		70% pass rate		
	limited to the following: gear ratios, conversion between				
	metric and US measurements, electrical circuits (Ohm's Law),				
	alignment angles, voltmeter, ammeter, ohmmeter readings,				
	and cubic inch replacement.				

	Cosmetolo	ogy		
Core Abilities	Program Learning Outcomes	Assessment Activity	Benchmark/Target	Results
	Perform haircare services for all types of hair including hair	State Board practical	Practical Exam – 75%	Practical
	analysis, haircutting, hairstyling, hair coloring and lightening,	and written exam		Exam – 100%
	permanent waving, and chemical relaxing; perform natural		Written Exam – 70%	
Occupational Skills	nail services including manicuring and pedicuring; perform			Written
Social Values	basic skincare services including skin analysis, facials, makeup			Exam – 100%
	application, and superfluous hair removal; obtain the			
	necessary skills to pass the Arkansas State Licensure Exam			
	(Principles of Cosmetology).			
Communication	Perform salon business, such as front desk operations,	Salon Business	Students will score 70%	92%
Occupational Skills	dispensary inventory and loss prevention, resume building	Project	proficiency at the Adequate	
Technology	and interviewing skills, self-marketing, and the basic		Level on each assignment	
Life Skills	knowledge of starting one's own salon business			
	(Professionalism and Business Skills).			
Life Skills	Have thorough knowledge of decontamination control, public	Infectious Control	Students will score 70%	80%
Occupational Skills	hygiene, and special sanitation procedures used for the		proficiency at the Adequate	
	protection of the client and operator (Sanitation Practices).		Level on each assignment	
	Industrial Elec	ctricity		
Core Abilities	Program Learning Outcomes	Assessment Activity	Benchmark/Target	Results
Occupational Skills	Identify the National Electrical Code standards and	Symbols	Written/Hands-on performance	100%
	recommended practices	Identification Lab	70% pass rate	
Occupational Skills	Read and interpret basic blueprints, shop drawings, and	Industrial	Written/Hands-on performance	100%
Life Skills	electrical schematics.	Fundamentals Lab	70% pass rate	
Occupational Skills	Perform electrical calculations to determine voltage,	Basic Electricity Lab	Written/Hands-on performance	100%
Communication	amperage, and resistance using Ohm's and Kirchhoff's Law.		70% pass rate	
Occupational Skills	Identify proper electrical controls used for industrial motors	Motors and Controls	Written/Hands-on performance	100%
	and equipment.	Lab	70% pass rate	
Occupational Skills	Install and wire electrical components and motors including	Motors and Controls	Written/Hands-on performance	100%
	conduit bending and installation.	Labs	70% pass rate	
Occupational Skills	Troubleshoot problems associated with industrial equipment	PLC Lab	Written/Hands-on performance	100%
Technology	utilizing Programmable Logic Controllers (PLCs).		70% pass rate	

Occupational Skills	Write and install programs to perform a variety of operations	PLC lab	Written/Hands-on performance	100%		
Technology	utilizing Allen Bradley PLCs and software.		70% pass rate			
	Industrial Technology					
Core Abilities	Program Learning Outcomes	Assessment Activity	Benchmark/Target	Results		
Occupational Skills	Repair and maintain hydraulic and pneumatic systems.	Assemble hydraulic	Written/Hands-on performance	92%		
Technology		motor and describe	70% pass rate			
		parts				
Occupational Skills	Attain knowledge of basic electrical systems.	Unit 8 test – Basic	Written/Hands-on performance	82%		
Communication		Electricity	70% pass rate			
		Combination Circuits				
		Basic Electricity Lab		100%		
Occupational Skills	Perform basic welding repairs.	Cut and weld a bevel	Written/Hands-on performance	87%		
Technology		plate	70% pass rate			
Communication						
Life Skills						
Occupational Skills	Read and interpret basic blueprints, shop drawings, and	Module 5 in Core	Written/Hands-on performance	95%		
Life Skills	electrical schematics.	Curriculum book	70% pass rate			
		Intro to Construction				
		Drawings test				
		Industrial				
		Fundamentals Lab				
			, ,	100%		
Occupational Skills	Install belts, sheaves/pulleys, cylinders, motors, pumps,	Install a 3 belt &	Written/Hands-on performance	84%		
Communication	valves, couplings, chains, sprockets, gears, gearboxes, and	pulleys system and	70% pass rate			
	other components essential to industrial maintenance repair	align on Lad Volt				
	and installation.	Mechanical trainer				
Technology	Demonstrate NCCER curriculum standards.	Pass all NCCER	Written/Hands-on performance	95%		
Occupational Skills		written and	70% pass rate			
Communication		performance tests to				
Social Values		receive card				
Pipe Welding						
Core Abilities	Program Learning Outcomes	Assessment Activity	Benchmark/Target	Results		

Occupational Skills	Pass guided bend test to AWS standards in the following:	National Center for	Written/Hands-on performance	100%			
Technology	 SMAW carbon steel pipe (uphill and downhill) 	Construction and	70% pass rate				
Communication	SMAW stainless steel pipe	Educational Research					
Life Skills	GMAW carbon steel pipe	(NCCER)					
Social Values	FCAW carbon steel pipe	Written and					
	GTAW carbon, stainless, and aluminum pipe	Performance Exams					
	Welding						
Core Abilities	Program Learning Outcomes	Assessment Activity	Benchmark/Target	Results			
Occupational Skills	Demonstrate welds in flat, horizontal, vertical, and overhead	Performance	Written/Hands-on performance	78%			
Technology	positions using the basic welding processes: SMAW, GMAW,	Accreditation Task	70% pass rate				
	FCAW, and GTAW.						
Occupational Skills	Demonstrate metal layout and cut processes.	Welding #1 – Module	Written/Hands-on performance	100%			
		2	70% pass rate				
Occupational Skills	Demonstrate the fundamentals of welding processes.	Welding #1 – Module	Written/Hands-on performance	100%			
		7	70% pass rate				
Occupational Skills	Demonstrate the principles of metallurgy during the welding	Welding #2 – Module	Written/Hands-on performance	90%			
	process.	3	70% pass rate				
Occupational Skills	Read and interpret basic blueprints and welding symbols to	Welding #2 – Module	Written/Hands-on performance	72%			
Life Skills	fabricate components.	1	70% pass rate				
Communication							
Life Skills	Apply basic math and measurement.	Welding #1 – Module	Written/Hands-on performance	100%			
Occupational Skills		2	70% pass rate				
Technology	Follow industry and NCCER standards and safety practices.	Welding #1 – Module	Written/Hands-on performance	100%			
Occupational Skills		1	70% pass rate				
Communication							
Social Values							