



EMPLOYABILITY PROFILE

Automotive Technology

Industry-Based Skill Standards

Proficiency Definitions

NA = Not Applicable

1 = Developing

2 = Basic

3 = Proficient

4 = Mastery

	9th	10th	11th	12th		9th	10th	11th	12th
Shop Safety					General Electrical System Diagnosis and Service				
Demonstrates sound safety practices within the shop environment including lift safety, tool safety, personal protective apparel, common safety hazards found in the automotive shop					Performs basic diagnostic tests using multimeter or scan tools to check for parasitic battery loads, battery status, and voltage drops across various system components.				
Hand and Power Tools					Diagnosing and Servicing Starting Systems				
Demonstrates proper selection and use of both hand and power tools used in the automotive shop environment. Cleans, maintains, and properly stores all tools					Inspects, tests, and diagnoses starting system problems, can replace starter, battery, starter relay or solenoid, starter, ignition switch, and other starting system components				
Vehicle Maintenance and Service					Diagnosing and Servicing Charging System				
Completes basic vehicle maintenance service such as oil and filter changes, tire pressure, fluid levels, belt tension, and cooling system checks and service					Performs diagnostics on charging system components such as alternators, batteries and connectors, and other system components using appropriate diagnostic tools.				
Automotive Braking Systems					Diagnosing and Servicing Lighting Systems				
Demonstrates an understanding of vehicle braking systems, hydraulic and mechanical components, anti-lock braking system components, and wheel bearing replacement.					Diagnoses lighting system problems, replaces and aims headlights, replaces turn signals and marker lights, troubleshoots, and replaces switches and other basic lighting controls				
Drum, Disk, and Anti-Lock Brake Service					Diagnosing and Servicing Wipers/Washers and Horn System				
Performs basic brake service on drum and disc brake systems, services and/or replaces brake rotors and calipers, inspects ABS and TCS components.					Performs basic diagnostic tests on windshield wipers and washer system, can repair and/or replace wipers and washer pump motors, can diagnose and repair horn system				
Steering System					Diagnosing General Engine Concerns				
Inspects and services steering system components including linkages, rack and pinion, tie rod ends, and power steering system components, and uses proper line bleeding techniques					Performs basic diagnostic tests using scan tools or OBD code readers to identify engine performance problems and retrieve diagnostic trouble codes				
Suspension System Service					Diagnosing and Servicing Exhaust System				
Performs diagnostics on suspension system, can replace shocks, struts, coil springs, ball joints, control arms, bushings, strut rods, and stabilizer bars for common applications					Demonstrates the ability to inspect and test automotive exhaust systems, replaces exhaust system components to repair exhaust systems in order to meet emission standards				
Tire Service and Alignments					Diagnosing and Servicing Heating Systems				
Demonstrates an understanding of tires, rims, and alignment on passenger cars. Can remove and mount tires, balance, and repair punctures using industry accepted equipment					Performs basic diagnostic tests on heating system, can repair/replace system components including radiators, hoses, thermostats, and electrical or mechanical radiator fans.				
Using Diagnostic Tools					Safety				
Demonstrates appropriate use of vehicle diagnostic equipment and code readers, can use a scan tool to access and program a vehicle computer, can diagnose minor electrical problems					Earned the OSHA 10 General Safety certification				



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WORK-BASED LEARNING			POSTSECONDARY CREDIT				
Type of WBL Experience	Year	Hours	College Course	Possible Cr.		Attained	
						Y	N
						Y	N
						Y	N
						Y	N
			Technical Assessment	Passed			
			Precision/YouScience Automotive Service Fundamentals #505	Y			N
			Precision/YouScience Automotive Service Fundamentals #505	Y			N
			Career Portfolio	Y			N
			CERTIFICATIONS, ENDORSEMENTS, LICENSES				
			Title	Date Obtained			
			OSHA 10 General Safety				
TOTAL							

AWARDS, SPECIAL RECOGNITION, SCHOLARSHIPS	DIPLOMA	Date Obtained	
	Diploma Earned: Insert diploma type here		
	Technical Endorsement on Diploma?	Y	N