

## OFFICIAL PROGRAM STANDARDS NOTICE (OPSN)

Issued: March 28, 2024

- Programs:** **Automotive Service Technician**
- To:** SkilledTradesBC Training Providers  
Articulation Chair  
System Liaison Person  
Youth Train in Trades School Districts
- Subject:** **Launch of Updated 2024 Automotive Service Technician Program**
- OPSN No.:** **OPSN 2024 009**
- Effective Date:** September 1, 2024
- Summary:** A new Program Outline, Foundation Outline, and Program Profile have been posted to the SkilledTradesBC website for Automotive Service Technician (AST). The changes are effective **September 1, 2024**. Changes include updates to the occupational description and program content, and the removal of the level 4 SLE from program completion requirements.
- Details:** Throughout 2022 and 2023, the Red Seal Occupational Standard (RSOS) and the provincial Program Outline for **Automotive Service Technician** were reviewed and updated as part of the pan-Canadian Harmonization Initiative. The following changes were made to the AST program:
- The AST Occupational Description was updated to reflect changes in technology. Additionally, the reference to gross vehicle limit of 5,500 kg was removed.
  - The AST Program Outlines have been updated to reflect enhanced and new content with minor changes to the sequencing of training topics.
  - The AST Standardized Level Exam (SLE) for level 4 was removed. Apprentices beginning level 4 technical training on, or after, **September 1, 2024** are not required to write an SLE for level 4.

Please note that BC continues to be aligned to the harmonized trade name, number of levels, training topic sequencing, and total training hours.

Summary of Changes:

Trade	Current	New
<b>Red Seal Trade Name</b>	Automotive Service Technician	No Change
<b>Total Number of Levels</b>	4 Levels	No Change
<b>Total Number of Hours (TT &amp; WBT)</b>	7,200 Hours	No Change
<b>Training Topic Sequencing</b>	Harmonized	No Change

**Rationale:** At the request of industry, the Canadian Council of Directors of Apprenticeship’s (CCDA) Harmonization Initiative was launched in the fall of 2013 and endorsed by the Forum of Labour Market Ministers (FLMM) in 2014. The goal of Harmonization is to substantively align apprenticeship systems across Canada by making apprenticeship training requirements more consistent in Red Seal trades.

**For more information:** SkilledTradesBC Program Standards  
[programstandards@skilledtradesbc.ca](mailto:programstandards@skilledtradesbc.ca)

**cc:** SkilledTradesBC Staff

Automotive Service Technician: Program Outline Review Details

Key

2016 AST L = 2016 AST Level    **Blue Text = Content moved to lower level = 2024 AST LX ← 2016 AST LX**  
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Summary - Competency Migration

The BC Occupational Analysis Chart (OAC) was aligned to the structure of the Red Seal Occupational Standard (RSOS). Therefore, **some competencies have been renamed or restructured**. This chart shows the finalized competency distribution for the 2024 Automotive Service Technician (2024 AST) program. It summarizes the major changes to the competencies. For details, see the charts below.

2024 AST LEVEL 1 (2024 AST L1)		2024 AST LEVEL 2 (2024 AST L2)		2024 AST LEVEL 3 (2024 AST L3)		2024 AST LEVEL 4 (2024 AST L4)	
<b>Line A</b>	<b>PERFORM SAFETY-RELATED FUNCTIONS</b>	<b>Line A</b>	<b>PERFORM SAFETY-RELATED FUNCTIONS</b>	<b>Line A</b>	<b>PERFORM SAFETY-RELATED FUNCTIONS</b>	<b>Line A</b>	<b>PERFORM SAFETY-RELATED FUNCTIONS</b>
A1	Maintain a safe work environment						
A2	Use personal protective equipment (PPE) and safety equipment						
<b>Line B</b>	<b>USE TOOLS, EQUIPMENT AND DOCUMENTATION</b>	<b>Line B</b>	<b>USE TOOLS, EQUIPMENT AND DOCUMENTATION</b>	<b>Line B</b>	<b>USE TOOLS, EQUIPMENT AND DOCUMENTATION</b>	<b>Line B</b>	<b>USE TOOLS, EQUIPMENT AND DOCUMENTATION</b>
B1	Use tools and equipment						
B2	Use fasteners, tubing, hoses and fittings						
B3	Use hoisting and lifting equipment						
B4	Use technical information						
<b>Line C</b>	<b>USE COMMUNICATION AND MENTORING TECHNIQUES</b>	<b>Line C</b>	<b>USE COMMUNICATION AND MENTORING TECHNIQUES</b>	<b>Line C</b>	<b>USE COMMUNICATION AND MENTORING TECHNIQUES</b>	<b>Line C</b>	<b>USE COMMUNICATION AND MENTORING TECHNIQUES</b>
C1	Use communication techniques						
						C2	Use mentoring techniques
<b>Line D</b>	<b>DIAGNOSE AND REPAIR ENGINE SYSTEMS</b>	<b>Line D</b>	<b>DIAGNOSE AND REPAIR ENGINE SYSTEMS</b>	<b>Line D</b>	<b>DIAGNOSE AND REPAIR ENGINE SYSTEMS</b>	<b>Line D</b>	<b>DIAGNOSE AND REPAIR ENGINE SYSTEMS</b>
		D1	Diagnose and repair cooling systems				
		D2	Diagnose and repair lubricating systems				
		D3	Diagnose and repair engine assembly				
		D4	Diagnose and repair accessory drive systems				

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2024 AST LEVEL 1 (2024 AST L1)		2024 AST LEVEL 2 (2024 AST L2)		2024 AST LEVEL 3 (2024 AST L3)		2024 AST LEVEL 4 (2024 AST L4)	
<b>Line E</b>	<b>DIAGNOSE AND REPAIR GASOLINE ENGINE SUPPORT SYSTEMS</b>	<b>Line E</b>	<b>DIAGNOSE AND REPAIR GASOLINE ENGINE SUPPORT SYSTEMS</b>	<b>Line E</b>	<b>DIAGNOSE AND REPAIR GASOLINE ENGINE SUPPORT SYSTEMS</b>	<b>Line E</b>	<b>DIAGNOSE AND REPAIR GASOLINE ENGINE SUPPORT SYSTEMS</b>
				E1	Diagnose and repair advanced wiring and electronics		
				E2	Diagnose and repair gasoline fuel delivery and injection systems		
				E3	Diagnose and repair gasoline ignition systems		
				E4	Diagnose and repair engine management systems		
				E5	Diagnose and repair gasoline intake and exhaust systems		
				E6	Diagnose and repair gasoline emissions control systems		
<b>Line F</b>	<b>DIAGNOSE AND REPAIR DIESEL ENGINE SUPPORT SYSTEMS</b>	<b>Line F</b>	<b>DIAGNOSE AND REPAIR DIESEL ENGINE SUPPORT SYSTEMS</b>	<b>Line F</b>	<b>DIAGNOSE AND REPAIR DIESEL ENGINE SUPPORT SYSTEMS</b>	<b>Line F</b>	<b>DIAGNOSE AND REPAIR DIESEL ENGINE SUPPORT SYSTEMS</b>
						F1	Diagnose and repair diesel fuel delivery and injection systems
						F2	Diagnose and repair diesel intake and exhaust systems
						F3	Diagnose and repair diesel emission control systems
<b>Line G</b>	<b>DIAGNOSE AND REPAIR VEHICLE NETWORKING SYSTEMS</b>	<b>Line G</b>	<b>DIAGNOSE AND REPAIR VEHICLE NETWORKING SYSTEMS</b>	<b>Line G</b>	<b>DIAGNOSE AND REPAIR VEHICLE NETWORKING SYSTEMS</b>	<b>Line G</b>	<b>DIAGNOSE AND REPAIR VEHICLE NETWORKING SYSTEMS</b>
				G1	Describe networking systems		
						G2	Diagnose and repair networking systems
<b>Line H</b>	<b>SERVICE, DIAGNOSE, AND REPAIR ENGINES AND SUPPORTING SYSTEMS</b>	<b>Line H</b>	<b>SERVICE, DIAGNOSE, AND REPAIR ENGINES AND SUPPORTING SYSTEMS</b>	<b>Line H</b>	<b>SERVICE, DIAGNOSE, AND REPAIR ENGINES AND SUPPORTING SYSTEMS</b>	<b>Line H</b>	<b>SERVICE, DIAGNOSE, AND REPAIR ENGINES AND SUPPORTING SYSTEMS</b>

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2024 AST LEVEL 1 (2024 AST L1)		2024 AST LEVEL 2 (2024 AST L2)		2024 AST LEVEL 3 (2024 AST L3)		2024 AST LEVEL 4 (2024 AST L4)	
H1	Diagnose and repair drive shafts and axles						
		H2	Diagnose and repair manual transmissions and transaxles				
						H3	Diagnose and repair automatic transmissions and transaxles
		H4	Diagnose and repair clutches				
						H5	Diagnose and repair all-wheel drive (AWD) systems
		H6	Diagnose and repair final drive assemblies				
<b>Line I</b>	<b>DIAGNOSE AND REPAIR ELECTRICAL SYSTEMS AND COMPONENTS</b>	<b>Line I</b>	<b>DIAGNOSE AND REPAIR ELECTRICAL SYSTEMS AND COMPONENTS</b>	<b>Line I</b>	<b>DIAGNOSE AND REPAIR ELECTRICAL SYSTEMS AND COMPONENTS</b>	<b>Line I</b>	<b>DIAGNOSE AND REPAIR ELECTRICAL SYSTEMS AND COMPONENTS</b>
I1	Diagnose and repair basic wiring and electrical systems						
I2	Diagnose and repair 12-volt batteries, starting, and charging systems	I2	Diagnose and repair 12-volt batteries, starting, and charging systems				
		I3	Diagnose and repair lighting and wiper systems				
				I4	Diagnose and repair electrical options and accessories		
						I5	Diagnose and repair instrumentation, entertainment systems and displays
<b>Line J</b>	<b>DIAGNOSE AND REPAIR HEATING, VENTILATION AND AIR CONDITIONING (HVAC) AND COMFORT CONTROL SYSTEMS</b>	<b>Line J</b>	<b>DIAGNOSE AND REPAIR HEATING, VENTILATION AND AIR CONDITIONING (HVAC) AND COMFORT CONTROL SYSTEMS</b>	<b>Line J</b>	<b>DIAGNOSE AND REPAIR HEATING, VENTILATION AND AIR CONDITIONING (HVAC) AND COMFORT CONTROL SYSTEMS</b>	<b>Line J</b>	<b>DIAGNOSE AND REPAIR HEATING, VENTILATION AND AIR CONDITIONING (HVAC) AND COMFORT CONTROL SYSTEMS</b>
						J1	Diagnose and repair air flow control and heating systems
						J2	Diagnose and repair refrigerant systems

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2024 AST LEVEL 1 (2024 AST L1)		2024 AST LEVEL 2 (2024 AST L2)		2024 AST LEVEL 3 (2024 AST L3)		2024 AST LEVEL 4 (2024 AST L4)	
<b>Line K</b>	<b>DIAGNOSE AND REPAIR STEERING AND SUSPENSION, BRAKING, CONTROL SYSTEMS, TIRES, WHEELS, HUBS, AND WHEEL BEARINGS</b>	<b>Line K</b>	<b>DIAGNOSE AND REPAIR STEERING AND SUSPENSION, BRAKING, CONTROL SYSTEMS, TIRES, WHEELS, HUBS, AND WHEEL BEARINGS</b>	<b>Line K</b>	<b>DIAGNOSE AND REPAIR STEERING AND SUSPENSION, BRAKING, CONTROL SYSTEMS, TIRES, WHEELS, HUBS, AND WHEEL BEARINGS</b>	<b>Line K</b>	<b>DIAGNOSE AND REPAIR STEERING AND SUSPENSION, BRAKING, CONTROL SYSTEMS, TIRES, WHEELS, HUBS, AND WHEEL BEARINGS</b>
K1	Diagnose and repair tires, wheels, hubs, and wheel bearings						
K2	Diagnose and repair suspension and control systems	K2	Diagnose and repair suspension and control systems				
K3	Diagnose and repair steering and control systems	K3	Diagnose and repair steering and control systems				
K4	Diagnose and repair braking and control systems	K4	Diagnose and repair braking and control systems				
				K5	Diagnose and repair Advanced Driver Assistance Systems (ADAS)		
<b>Line L</b>	<b>DIAGNOSE AND REPAIR RESTRAINT SYSTEMS, BODY COMPONENTS, ACCESSORIES AND TRIM</b>	<b>Line L</b>	<b>DIAGNOSE AND REPAIR RESTRAINT SYSTEMS, BODY COMPONENTS, ACCESSORIES AND TRIM</b>	<b>Line L</b>	<b>DIAGNOSE AND REPAIR RESTRAINT SYSTEMS, BODY COMPONENTS, ACCESSORIES AND TRIM</b>	<b>Line L</b>	<b>DIAGNOSE AND REPAIR RESTRAINT SYSTEMS, BODY COMPONENTS, ACCESSORIES AND TRIM</b>
						L1	Diagnose and repair restraint systems
L2	Diagnose and repair wind noises, rattles and water leaks						
L3	Diagnose and repair interior and exterior components, accessories and trim						
L4	Diagnose and repair latches, locks and movable glass						
<b>Line M</b>	<b>DIAGNOSE AND REPAIR HYBRID AND ELECTRIC VEHICLES (EV)</b>	<b>Line M</b>	<b>DIAGNOSE AND REPAIR HYBRID AND ELECTRIC VEHICLES (EV)</b>	<b>Line M</b>	<b>DIAGNOSE AND REPAIR HYBRID AND ELECTRIC VEHICLES (EV)</b>	<b>Line M</b>	<b>DIAGNOSE AND REPAIR HYBRID AND ELECTRIC VEHICLES (EV)</b>

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2024 AST LEVEL 1 (2024 AST L1)		2024 AST LEVEL 2 (2024 AST L2)		2024 AST LEVEL 3 (2024 AST L3)		2024 AST LEVEL 4 (2024 AST L4)	
M1	Implement specific safety protocols for hybrid and electric vehicles (EV)						
						M2	Diagnose and repair hybrid and electric vehicle (EV) systems
						M3	Diagnose and repair hybrid and electric vehicle (EV) temperature management systems

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Details – Competency Migration

This chart shows where content from the 2016 AST program moved to in the 2024 AST program and includes details of content that was moved or split across levels.

2016 AUTOMOTIVE SERVICE TECHNICIAN LEVEL 1 (2016 AST L1) TO 2024 AUTOMOTIVE SERVICE TECHNICIAN LEVEL 1 (2024 AST L1)

2016 AST LEVEL 1 (2016 AST L1)		2024 AST LEVEL 1 (2024 AST L1)		MIGRATION	DETAILS
<b>Line A PERFORM SAFETY-RELATED FUNCTIONS</b>		<b>Line A PERFORM SAFETY-RELATED FUNCTIONS</b>			
A1	Maintain safe work environment	A1	Maintain a safe work environment	N/A	
A2	Use personal protective equipment (PPE) and safety equipment	A2	Use personal protective equipment (PPE) and safety equipment	N/A	
<b>Line B USE TOOLS, EQUIPMENT AND DOCUMENTATION</b>		<b>Line B USE TOOLS, EQUIPMENT AND DOCUMENTATION</b>			
B1	Use tools and equipment	B1	Use tools and equipment	N/A	
B2	Use fasteners, tubing, hoses and fittings	B2	Use fasteners, tubing, hoses and fittings	N/A	
B3	Use hoisting and lifting equipment	B3	Use hoisting and lifting equipment	N/A	
B4	Use technical information	B4	Use technical information	N/A	
<b>Line C USE COMMUNICATION AND MENTORING TECHNIQUES</b>		<b>Line C USE COMMUNICATION AND MENTORING TECHNIQUES</b>			
C1	Use communication techniques	C1	Use communication techniques	N/A	
<b>Line H DIAGNOSE AND REPAIR DRIVELINE SYSTEMS</b>		<b>Line H DIAGNOSE AND REPAIR DRIVELINE SYSTEMS</b>			
H1	Diagnose and repair drive shafts and axles	H1	Diagnose and repair drive shafts and axles	N/A	
<b>Line I DIAGNOSE AND REPAIR ELECTRICAL SYSTEMS AND COMPONENTS</b>		<b>Line I DIAGNOSE AND REPAIR ELECTRICAL SYSTEMS AND COMPONENTS</b>			
I1	Diagnose and repair basic wiring and electrical systems	I1	Diagnose and repair basic wiring and electrical systems	N/A	
I2	Diagnose and repair starting and charging systems and batteries	I2	Diagnose and repair starting and charging systems and batteries	N/A	
<b>Line K DIAGNOSE AND REPAIR STEERING AND SUSPENSION, BRAKING, CONTROL SYSTEMS, TIRES, WHEELS, HUBS AND WHEEL BEARINGS</b>		<b>Line K DIAGNOSE AND REPAIR STEERING AND SUSPENSION, BRAKING, CONTROL SYSTEMS, TIRES, WHEELS, HUBS, AND WHEEL BEARINGS</b>			
K1	Diagnose and repair steering and control systems	K3	Diagnose and repair steering and control systems	N/A	Content remains the same across Line K in level 1. However,
K2	Diagnose and repair suspension and control systems	K2	Diagnose and repair suspension and control systems	N/A	

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2016 AST LEVEL 1 (2016 AST L1)		2024 AST LEVEL 1 (2024 AST L1)		MIGRATION	DETAILS
K3	Diagnose and repair braking and control systems	K4	Diagnose and repair braking and control systems	N/A	competencies have been renumbered.
K4	Diagnose and repair tires, wheels, hubs and wheel bearings	K1	Diagnose and repair tires, wheels, hubs and wheel bearings	N/A	
<b>Line L DIAGNOSE AND REPAIR RESTRAINT SYSTEMS, BODY COMPONENTS, ACCESSORIES AND TRIM</b>		<b>Line L DIAGNOSE AND REPAIR RESTRAINT SYSTEMS, BODY COMPONENTS, ACCESSORIES, AND TRIM</b>			
L2	Diagnose and repair wind noises, rattles and water leaks	L2	Diagnose and repair wind noises, rattles and water leaks	N/A	
L3	Diagnose and repair interior and exterior components, accessories and trim	L3	Diagnose and repair interior and exterior components, accessories and trim	N/A	
L4	Diagnose and repair latches, locks and movable glass	L4	Diagnose and repair latches, locks and movable glass	N/A	
<b>Line M DIAGNOSE AND REPAIR HYBRID AND ELECTRIC VEHICLES (EV)</b>		<b>Line M DIAGNOSE AND REPAIR HYBRID AND ELECTRIC VEHICLES (EV)</b>			
M1	Implement specific safety protocols for hybrid and electric vehicles (EV)	M1	Implement specific safety protocols for hybrid and electric vehicles (EV)	N/A	

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2016 AUTOMOTIVE SERVICE TECHNICIAN LEVEL 2 (2016 AST L2) TO 2024 AUTOMOTIVE SERVICE TECHNICIAN LEVEL 2 (2024 AST L2)

2016 AST LEVEL 2 (2016 AST L2)		2024 AST LEVEL 2 (2024 AST L2)		MIGRATION	DETAILS
<b>Line D DIAGNOSE AND REPAIR ENGINE SYSTEMS</b>		<b>Line D DIAGNOSE AND REPAIR ENGINE SYSTEMS</b>			
D1	Diagnose and repair cooling systems	D1	Diagnose and repair cooling systems	N/A	
D2	Diagnose and repair lubricating systems	D2	Diagnose and repair lubricating systems	N/A	
D3	Diagnose and repair engine assembly	D3	Diagnose and repair engine assembly	N/A	
D4	Diagnose and repair accessory drive systems	D4	Diagnose and repair accessory drive systems	N/A	
<b>Line H DIAGNOSE AND REPAIR DRIVELINE SYSTEMS</b>		<b>Line H DIAGNOSE AND REPAIR DRIVELINE SYSTEMS</b>			
H2	Diagnose and repair manual transmissions and transaxles	H2	Diagnose and repair manual transmissions and transaxles	N/A	
H4	Diagnose and repair clutches	H4	Diagnose and repair clutches	N/A	
H7	Diagnose and repair final drive assemblies	H6	Diagnose and repair final drive assemblies	N/A	
<b>Line I DIAGNOSE AND REPAIR ELECTRICAL SYSTEMS AND COMPONENTS</b>		<b>Line I DIAGNOSE AND REPAIR ELECTRICAL SYSTEMS AND COMPONENTS</b>			
I2	Diagnose and repair starting and charging systems and batteries	I2	Diagnose and repair starting and charging systems and batteries	N/A	
I3	Diagnose and repair lighting and wiper systems	I3	Diagnose and repair lighting and wiper systems	N/A	
<b>Line K DIAGNOSE AND REPAIR STEERING AND SUSPENSION, BRAKING, CONTROL SYSTEMS, TIRES, WHEELS, HUBS AND WHEEL BEARINGS</b>		<b>Line K DIAGNOSE AND REPAIR STEERING AND SUSPENSION, BRAKING, CONTROL SYSTEMS, TIRES, WHEELS, HUBS AND WHEEL BEARINGS</b>			
K1	Diagnose and repair steering and control systems	K3	Diagnose and repair steering and control systems	N/A	Content remains the same across Line K in level 2. However, competencies have been renumbered.
K2	Diagnose and repair suspension and control systems	K2	Diagnose and repair suspension and control systems	N/A	
K3	Diagnose and repair braking and control systems	K4	Diagnose and repair braking and control systems	N/A	

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2016 AUTOMOTIVE SERVICE TECHNICIAN LEVEL 3 (2016 AST L3) TO 2024 AUTOMOTIVE SERVICE TECHNICIAN LEVEL 3 (2024 AST L3)

2016 AST LEVEL 3 (2016 AST L3)		2024 AST LEVEL 3 (2024 AST L3)		MIGRATION	DETAILS
<b>Line E DIAGNOSE AND REPAIR GASOLINE ENGINE SUPPORT SYSTEMS</b>		<b>Line E DIAGNOSE AND REPAIR GASOLINE ENGINE SUPPORT SYSTEMS</b>			
E1	Diagnose and repair advanced wiring and electronics	E1	Diagnose and repair advanced wiring and electronics		
E2	Diagnose and repair gasoline fuel delivery and injection systems	E2	Diagnose and repair gasoline fuel delivery and injection systems		
E3	Diagnose and repair gasoline ignition systems	E3	Diagnose and repair gasoline ignition systems		
E4	Diagnose and repair engine management systems	E4	Diagnose and repair engine management systems		
E5	Diagnose and repair gasoline intake and exhaust systems	E5	Diagnose and repair gasoline intake and exhaust systems		
E6	Diagnose and repair gasoline emissions control systems	E6	Diagnose and repair gasoline emissions control systems		
<b>Line G DIAGNOSE AND REPAIR VEHICLE NETWORKING SYSTEMS</b>		<b>Line G DIAGNOSE AND REPAIR VEHICLE NETWORKING SYSTEMS</b>			
G1	Identify type of networking system	G1	Describe networking systems		
G2	Diagnose and repair networking systems			2016 AST L3 → 2024 AST L4	Competency moved from level 3 to level 4.
<b>Line H DIAGNOSE AND REPAIR DRIVELINE SYSTEMS</b>					
H5	Diagnose and repair mechanical transfer cases			2016 AST L3 → 2024 AST L4	Competency removed and content moved from level 3 into level 4 competency H5: "Diagnose and repair all-wheel drive (AWD) systems".
<b>Line E DIAGNOSE AND REPAIR GASOLINE ENGINE SUPPORT SYSTEMS</b>		<b>Line E DIAGNOSE AND REPAIR GASOLINE ENGINE SUPPORT SYSTEMS</b>			
E1	Diagnose and repair advanced wiring and electronics	E1	Diagnose and repair advanced wiring and electronics		
E2	Diagnose and repair gasoline fuel delivery and injection systems	E2	Diagnose and repair gasoline fuel delivery and injection systems		
<b>Line I DIAGNOSE AND REPAIR ELECTRICAL SYSTEMS AND COMPONENTS</b>		<b>Line I DIAGNOSE AND REPAIR ELECTRICAL SYSTEMS AND COMPONENTS</b>			
I4	Diagnose and repair electrical options and accessories	I4	Diagnose and repair electrical options and accessories		

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2016 AST LEVEL 3 (2016 AST L3)	2024 AST LEVEL 3 (2024 AST L3)	MIGRATION	DETAILS
	<b>Line K DIAGNOSE AND REPAIR STEERING AND SUSPENSION, BRAKING, CONTROL SYSTEMS, TIRES, WHEELS, HUBS AND WHEEL BEARINGS</b>		
	K5 Diagnose and repair advanced driver assistance systems (ADAS)		New competency and content.

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2016 AUTOMOTIVE SERVICE TECHNICIAN LEVEL 4 (2016 AST L4) TO 2024 AUTOMOTIVE SERVICE TECHNICIAN LEVEL 4 (2024 AST L4)

2016 AST LEVEL 4 (2016 AST L4)		2024 AST LEVEL 4 (2024 AST L4)		MIGRATION	DETAILS
<b>Line C USE COMMUNICATION AND MENTORING TECHNIQUES</b>		<b>Line C USE COMMUNICATION AND MENTORING TECHNIQUES</b>			
C2	Use mentoring techniques	C2	Use mentoring techniques		
<b>Line F DIAGNOSE AND REPAIR DIESEL ENGINE SUPPORT SYSTEMS</b>		<b>Line F DIAGNOSE AND REPAIR DIESEL ENGINE SUPPORT SYSTEMS</b>			
F1	Diagnose and repair diesel fuel delivery and injection systems	F1	Diagnose and repair diesel fuel delivery and injection systems		
F2	Diagnose and repair diesel intake and exhaust systems	F2	Diagnose and repair diesel intake and exhaust systems		
F3	Diagnose and repair diesel emission control systems	F3	Diagnose and repair diesel emission control systems		
		<b>Line G DIAGNOSE AND REPAIR VEHICLE NETWORKING SYSTEMS</b>			
		G2	Diagnose and repair networking systems	2016 AST L3 → 2024 AST L4	Competency moved from level 3 to level 4.
<b>Line H DIAGNOSE AND REPAIR DRIVELINE SYSTEMS</b>		<b>Line H DIAGNOSE AND REPAIR DRIVELINE SYSTEMS</b>			
H3	Diagnose and repair automatic transmissions and transaxles	H3	Diagnose and repair automatic transmissions and transaxles		
H6	Diagnose and repair all-wheel drive (AWD) systems	H5	Diagnose and repair all-wheel drive (AWD) systems	2016 AST L3 → 2024 AST L4	Content for level 3 H5: “Diagnose and repair mechanical transfer cases” was moved to level 4 and is now contained in this in H6: “Diagnose and repair all-wheel drive (AWD) systems”.
<b>Line I DIAGNOSE AND REPAIR ELECTRICAL SYSTEMS AND COMPONENTS</b>		<b>Line I DIAGNOSE AND REPAIR ELECTRICAL SYSTEMS AND COMPONENTS</b>			
I5	Diagnose and repair instrumentation, entertainment systems and displays	I5	Diagnose and repair instrumentation, entertainment systems and displays		
<b>Line J DIAGNOSE AND REPAIR HEATING, VENTILATION AND AIR CONDITIONING (HVAC) AND COMFORT CONTROL SYSTEMS</b>		<b>Line J DIAGNOSE AND REPAIR HEATING, VENTILATION AND AIR CONDITIONING (HVAC) AND COMFORT CONTROL SYSTEMS</b>			
I5	Diagnose and repair instrumentation, entertainment systems and displays	I5	Diagnose and repair instrumentation, entertainment systems and displays		

Automotive Service Technician: Program Outline Review Details

Key

2016 AST L = 2016 AST Level    Blue Text = Content moved to lower level = 2024 AST LX ← 2016 AST LX  
 2024 AST L = 2024 AST Level    Purple Text = Content moved to higher level = 2016 AST LX → 2024 AST LX  
 Black Text = No change to level    Green Text = New content added    Red Text = Competency removed

2016 AST LEVEL 4 (2016 AST L4)		2024 AST LEVEL 4 (2024 AST L4)		MIGRATION	DETAILS
<b>Line L DIAGNOSE AND REPAIR RESTRAINT SYSTEMS, BODY COMPONENTS, ACCESSORIES AND TRIM</b>		<b>Line L DIAGNOSE AND REPAIR RESTRAINT SYSTEMS, BODY COMPONENTS, ACCESSORIES AND TRIM</b>			
L1	Diagnose and repair restraint systems	L1	Diagnose and repair restraint systems		
<b>Line M DIAGNOSE AND REPAIR HYBRID AND ELECTRIC VEHICLES (EV)</b>		<b>Line M DIAGNOSE AND REPAIR HYBRID AND ELECTRIC VEHICLES (EV)</b>			
M2	Diagnose and repair hybrid and electric vehicle (EV) systems	M2	Diagnose and repair hybrid and electric vehicle (EV) systems		
		M3	Diagnose and repair hybrid and electric vehicle (EV) temperature management systems		New competency and content.