

Notice of Change

New Product Implementation and Release Website Information

Trade/Occupation Name & Code: *Automotive Service Technician (AST) (310S)*

Implementation Date of New Standard: *January 15, 2024*

Implementation Plan:

Apprenticeship Training Standards:

- Apprentices who began their apprenticeships on the former 2015 Apprenticeship Training Standard can complete their program using the performance objectives in that standard.
- All apprentices with Training Agreements registered on or after January 15th, 2024 must be trained to the new Training Standard.

Standard Access

Apprenticeship Training Standards:

- The new Apprenticeship Training Standard Logbook will be available on the Skilled Trades Ontario website.

General Description of Changes

While the general structure of the new AST Apprenticeship Training Standard, in terms of skill sets and the skill arrangements, parallels the previous Training Standard version, significant content and structural changes were made throughout the document. This is because AST is a highly evolving technological trade that requires standard updates to meet critical changes and evolutions in technology e.g., vehicle networking, hybrid and electric vehicles, emission standards, advanced electrical and electronic systems. As a result, most content enhancements, adjustments and changes made throughout the document were driven by industry and triggered by these aforementioned technological changes and innovations.

Furthermore, with 2 updates to the Red Seal Occupational Standard for AST (in 2016 and again starting in 2022), the new Apprenticeship Training Standard was updated to parallel similar and related changes and enhancements in support of Red Seal harmonization. As an example, name changes were made to some of the skill sets.

At the skill level, content enhancements were made throughout the document to support industry growth and change, Red Seal harmonization and updated style guide requirements. One of the primary structural changes at the skill level was the integration and merger of existing competencies related to “verifying the repair” into the related “repair” competencies. This methodology reflects the approach in both Red Seal standards and was verified by industry.

- The new Apprenticeship Training Standard for AST includes the following 18 skill sets:
 - 9695 Protect Self, Others and the Environment
 - 9696 Use and Maintain Tools and Equipment
 - 9697 Communicate, Mentor and Use Documentation
 - 9698 Diagnose and Repair Engine Systems
 - 9699 Diagnose and Repair Engine Management Systems
 - 9700 Diagnose and Repair Fuel Delivery Systems
 - 9701 Diagnose and Repair Exhaust, Intake and Emission Control Systems
 - 9702 Diagnose and Repair Vehicle Networking Systems
 - 9703 Diagnose and Repair Drivetrain Systems
 - 9704 Diagnose and Repair Transmission Systems
 - 9705 Diagnose and Repair Primary Electrical Systems
 - 9706 Diagnose and Repair Advanced Electrical and Electronic Systems
 - 9707 Diagnose and Repair Heating, Ventilation and Air Conditioning/Climate Control Systems
 - 9708 Diagnose and Repair Steering, Suspension and Control Systems
 - 9709 Diagnose and Repair Braking Systems
 - 9710 Diagnose and Repair Tires, Wheels, Hubs and Wheel Bearings
 - 9711 Diagnose and Repair Restraint Systems, Body Components, Accessories and Trim
 - 9712 Diagnose and Repair Hybrid and Electric Vehicle (EV) Systems

Additional Details:

- Critical structural gaps within the existing Apprenticeship Training Standard were addressed for the following 2 topic areas: Communications, Documentation and Mentorship as well as Tools and Equipment. This resulted in the creation of unique skill sets for these topics (covering both existing and new content), thereby aligning the revised standard with the structure of the Red Seal standard, the Ontario style guide and the structural approach of other standards in Ontario.
- 3 new unique skill sets covering existing, enhanced and new skills content;
 - 9696 Use and Maintain Tools and Equipment (supports Red Seal harmonization)
 - 9697 Communicate, Mentor and use Documentation (supports Red Seal harmonization)
 - 9706 Diagnose and Repair Advanced Electrical and Electronic Systems (supports technological change and innovation).



- 2 Merged Skill Sets:
 - 9708 Diagnose and Repair Steering, Suspension and Control Systems is a merger of 5169 Steering Systems and 5168 Suspension systems and Frames (supports Red Seal harmonization)
 - 9711 Diagnose and Repair Restraint Systems, Body Components, Accessories and Trim is a merger of 5164 Electrical Systems-Body and 5173 Body and Trim (supports Red Seal harmonization)

Chief Executive Officer/Registrar approved on March 27th, 2023