

AUTOMOTIVE SERVICE TECHNICIAN APPRENTICE (ATAP)

ATAP 1011 Credits: 9

Auto Service Tech Harm Lvl 1 Total Hours: 210

This course provides Automotive Service Technician Level 1 Apprentices with the skills and knowledge required for the Automotive Service Technician Harmonized Level 1 certification as set by SkilledTradesBC. Learners will work safely while providing general automotive maintenance services including lubrication and fluids, belts and hoses, exterior lamps, body trim and hardware, tires and wheels, non friction bearings and spindles and hubs and diagnosis and repair of drive and axle shafts. Additionally learners will assess, diagnose and service basic electrical systems, hydraulic, drum brake, disc brake, power assist and anti-lock brake systems, steering systems as well a suspension systems. Throughout the performance of these skills, learners will safely and effectively utilize hand, measuring, power tools while simultaneously demonstrating employability, communication and business skills, as well as implementation of specific safety protocols for hybrid and electric vehicles. Upon successful completion of this course, apprentices will be able to progress to Automotive Service Technician Harmonized Level 2 technical training.

Pre-requisite(s): SkilledTradesBC identification number is required

ATAP 2011 Credits: 9

Auto Service Tech Harm Lvl 2 Total Hours: 210

This course provides Automotive Service Technician Level 2 Apprentices with the skills and knowledge required for the Automotive Service Technician Harmonized Level 2 certification as set by SkilledTradesBC. Learners will perform advanced electrical testing by assessing, diagnosing and servicing starting systems, charging systems. Learners will also evaluate engine mechanical conditions and perform engine repairs through the assessment, diagnosis and servicing of gaskets and seals, lubrication systems and cooling systems. Learners will overhaul manual transmissions, as well as service clutch systems, transmission shifting linkage, hydraulic and electrical control systems, drive shafts, final drives, differentials and axles. Additionally learners will assess, diagnose, and service basic electrical systems, hydraulics, drum brake, disc brake, power assist, and anti-lock brake systems, steering systems as well as suspension systems. Upon successful completion of this course, apprentices will be able to progress to Automotive Service Technician Harmonized Level 3 technical training.

Pre-requisite(s): Successful completion of Automotive Service Technician Level 1 or Automotive Service Technician Harmonized Level

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ATAP 3011 Credits: 9

Auto Service Tech Harm Lvl 3 Total Hours: 210

This course provides Automotive Service Technician Level 3 Apprentices with the skills and knowledge required for the Automotive Service Technician Harmonized Level 3 certification as set by SkilledTradesBC. Learners will apply advanced electrical and electronic principles, use advanced wiring diagrams, electrical equipment and describe computer controlled system. The learner will also identify, service, and describe fuel types, and fuel delivery systems including direct injection. The learner will service and repair electronic ignition, and engine management systems; and describe air induction, exhaust systems, and gasoline emission control devices. The learner will describe and repair network computer control and multiplexing systems as well as describing mechanical transfer cases and servicing electrical accessories. Upon successful completion of this course, apprentices will be able to progress to Automotive Service Technician Harmonized Level 4 technical training.

Pre-requisite(s): Successful completion of Automotive Service Technician Harmonized Level 2 Apprenticeship

ATAP 4011 Credits: 9

Auto Service Tech Harm Lvl 4 Total Hours: 210

This course provides Automotive Service Technician Level 4 Apprentices with the skills and knowledge required for the Automotive Service Technician Harmonized Level 4 certification as set by SkilledTradesBC. Learners will apply mentoring techniques, describe and repair Diesel engine support systems, as well as intake, exhaust and emission related diesel components. The learner will also identify, service, and describe automatic transmission and transaxle all-wheel drive systems, as well as four wheel drive components. The learner will service and repair instrumentation, entertainment and display systems; heating, ventilation and air conditioning systems; and body restraint components. The learner will describe and repair hybrid and electric vehicle systems.

Pre-requisite(s): ATAP 3011 Automotive Service Technician Harmonized Apprentice Level 3