

Automotive Service Technician: Certificate (Foundation)

Faculty of Trades and Technology	
kwantlen.ca/trades	
Automotive Service Technician	
kwantlen.ca/trades/auto	
IMPLEMENTATION DATE	START DATE(S)
01-Sep-2011	Varies
ADMISSION TYPE	ENROLMENT TYPE
Fixed term	Limited enrolment
PROGRAM TYPE	CREDENTIAL GRANTED
Vocational	Certificate
OFFERED AT	FORMAT
Cloverdale	Full-time
HOW TO APPLY	
www.kwantlen.ca/admission	

DESCRIPTION

In this 30 week program students will for employment as an apprentice Automotive Service Technician.

Hands-on shop experience is the basis from which skills are developed in the program. Students will learn various techniques in repairing, adjusting and replacing mechanical and electrical parts of automobiles and light trucks. Practical training in a shop environment will enhance students' knowledge and skills in shop safety, use of hand and power tools, as well as mechanical and electrical repairs. Additional information is available on our program website at: kwantlen.ca/trades/auto

Students who complete the Automotive Service Technician Foundation program are eligible for credit for first level apprenticeship training, as well as 450 work-based training hours toward completion of the Automotive Service Technical Level 1 apprenticeship program. Upon program completion, students will be eligible to write the Auto Service Technician level Certificate of Qualification (COQ) exam.

Since this is a Red Seal trade, additional information is available at the Red Seal website.

PROGRAM ADMISSION REQUIREMENTS

In addition to Kwantlen's General university admission requirements including the vocational-level English Proficiency Requirement, the following program admission requirements apply.

- Interview with instructor
- Adequate reading comprehension and math skills as assessed by Kwantlen

Students with mental or physical impairments, who may require program or practicum accommodations, should contact the Program Coordinator at 604.598.6130 to discuss required skills and competencies, and a Disability Advisor at 604.599-3233 to ensure appropriate accommodations can be arranged. Due to the

nature of this program, students should have satisfactory physical health.

CONTENT

- Measuring Instruments
- Shop Safety Practices
- Shop Tools and Equipment
- Fuel Systems
- Engine Theory and Repair
- The Drive Line
- Emission Control Systems
- Brakes and Tires
- Ignition Systems
- Steering Systems
- Electronic Engine Management
- Frame and Suspension Systems
- Standard Transmission and Differentials

Required Courses

ASTA 1100	Safety, Communication, Tools and Fasteners	3 credits
ASTA 1110	General Automotive Services	1.5 credits
ASTA 1120	Electrical Fundamentals, Diagnosis and Repair	6.5 credits
ASTA 1130	Steering, Frames, Suspension and Wheel Alignment	6.5 credits
ASTA 1140	Automotive Braking Systems	5 credits
ASTA 1150	Welding	1 credit
ASTA 1160	The Internal Combustion Engine	1.5 credits
ASTA 1170	Power Train Fundamentals	2.5 credits
ASTA 1180	Engine Management and Control Systems	5 credits

Note: Students must achieve 70% (B-) or better in all practical exams and tests to graduate from this program.

OTHER INFORMATION

Special Equipment

Students will require appropriate steel-toed safety shoes or boots.

Foundation level service technician students must supply their own general hand tools complete with lockable toolbox; approximate cost is \$750.00. In addition, a \$200.00 clothing fee will be assessed for coverall provision and cleaning. The list is available both on the website and it will also be forwarded to the student on acceptance to the program.

GRADUATION

Upon successful completion of this program, students are eligible to receive a **Certificate in Automotive Service Technician**.

Upon successful completion, Kwantlen will also report your technical training completion information to the Industry Training Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.