

AUTOMOTIVE SERVICE TECHNICIAN

FULL-TIME – DIPLOMA OF TRADES TRAINING

BRITISH COLUMBIA
INSTITUTE OF
TECHNOLOGY

BCIT INTERNATIONAL

bcit.ca/international



OVERVIEW

Automotive service technicians diagnose and repair today's sophisticated motor vehicle systems. They are proficient in using computerized diagnostic equipment to test, adjust and repair key vehicle components such as:

- > Braking systems
- > Drive trains
- > Electrical systems
- > Engines
- > Steering systems
- > Vehicle suspensions.

PROGRAM STRUCTURE

Stage I: International Student Entry Program

- > Designed for those who are unable to meet the Automotive Service Technician English language entrance requirements
- > Upgrades English language and learning skills in reading, writing, listening and speaking.
*25 hours/week for 7 weeks per term; \$2,340 CAD / term**

Stage II: Applied Technical Literacy Course – ACES 0100

- > Specialized course delivered by BCIT faculty, serves as a bridging component, and prepares international students in applied technical literacy for the Automotive Service Technician program
- > Students will study in classrooms and workshops to gain hands-on experience with the tools and equipment used in the program.
*30 hours/week for 5 weeks; \$2,310 CAD**

Stage III: Automotive Service Technician Program

- > Three academic terms at BCIT and two co-op work terms in an automotive repair facility
- > Provides you with the knowledge and skills in addition to real world experience
- > Learn to diagnose and repair sophisticated motor vehicle systems whilst earning a wage
- > The program is also for those who aspire to management positions in the industry and/or those interested in advanced studies leading to a degree.
*48 weeks at BCIT and 32 weeks in a co-op placement; \$19,000 CAD**

**Tuition subject to change.*

JOB OPPORTUNITIES

Throughout British Columbia and Canada, there is a serious shortage of skilled and certified automotive service technicians. Graduates who go on to complete their apprenticeship training earn between \$50,000 and \$70,000 per year. Student often have a job in-hand upon graduation since employers hire trainees once they graduate from the program.



Our graduates often use the BCIT Automotive Service Technician program as a foundation for advancement to management positions in the industry and a degree in automotive management or automotive engineering.

MORE INFORMATION

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ENTRANCE REQUIREMENTS FOR AUTOMOTIVE SERVICE TECHNICIAN PROGRAM

- > Completion of BCIT's International Student Entry Program – Level 500
- > Grade 11 Math or BCIT's Trades Pre-entry Test in Mathematics
- > Completion of ACES 0100 – 70% pass

Please note:

- > High school graduation is recommended by the Industry Training Authority (ITA)
- > Knowledge and/or background in the industry are an asset.
- > Driver's licence is not required to enter the program; however, it is strongly recommended in order to move vehicles in and out of the shops.

PROGRAM MATRIX (COURSES)

Level 1		Credits
ASTP 1200	Math 1	2.5
ASTP 1201	Physics 1	2.5
ASTP 1202	Communications 1	2.5
ASTP 1203	Automotive Business Administration	2.5
ASTP 1211	Workplace Safety	1.0
ASTP 1212	Welding	1.0
ASTP 1213	Automotive Shop Tools and Equipment	2.0
ASTP 1215	Automotive Wheels, Hubs, Tires, and Bearings	2.0
ASTP 1220	Automotive Suspension Systems	2.0
ASTP 1225	Automotive Steering Systems	3.0
ASTP 1230	Automotive Brake Systems	3.5
ASTP 1235	Automotive Electrical Systems	3.0
ASTP 1240	Automotive Maintenance and Inspection	1.5
ASTP 1990	Co-op 1	16.0
ASTP 2310	Automotive Drivelines and Final Drives	2.5
ASTP 2315	Automotive Computer Operation	1.0

Level 2		Credits
ASTP 2300	Math 2	2.5
ASTP 2301	Physics 2	2.5
ASTP 2302	Customer Relations and Sales	2.5
ASTP 2303	Automotive Business Practices	2.5
ASTP 2321	Automotive Engine Repair	6.0
ASTP 2330	Automotive Engine Support Systems	1.0
ASTP 2335	Automotive Starting Systems	1.5
ASTP 2340	Automotive Charging Systems	1.5
ASTP 2990	Co-op 2	16.0
ASTP 3410	Automotive Fuel Delivery Systems	2.0
ASTP 3415	Introduction to Lab Scopes	0.5
ASTP 3422	Automotive Electronic Fuel Management Systems	1.5
ASTP 3425	Automotive Diesel Fuel Systems	1.0
ASTP 3430	Automotive Clutches and Manual Transmissions	2.5
ASTP 3435	Automotive AWD Systems	1.5
ASTP 3445	HRAI ODS Handling	0.5
ASTP 3450	Automotive Air Conditioning Systems	2.5

Level 3		Credits
ASTP 3400	Communications 2	2.5
ASTP 3401	Accounting Essentials	2.5
ASTP 3402	Automotive Business Planning	2.5
ASTP 3403	Automotive Fuel and Emissions Chemistry	3.0
ASTP 3440	Automotive Automatic Transmissions	3.5
ASTP 3455	Automotive Body Electrical Systems	2.5
ASTP 3460	Automotive Ignition Systems	3.0
ASTP 3465	Automotive Safety Systems	1.5
ASTP 3470	Automotive Advanced Engine Management Systems	5.0
ASTP 4515	Automotive Electronic Diesel Fuel Systems	1.0
ASTP 4516	Automotive Driveability Diagnosis	1.5
ASTP 4520	Automotive Emission Control Systems	3.0
ASTP 4525	Emerging Automotive Technologies	1.0

Total Credits: 129.0

Subject to change without notice. Please visit bcit.ca/1285tttdipl for more information.

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