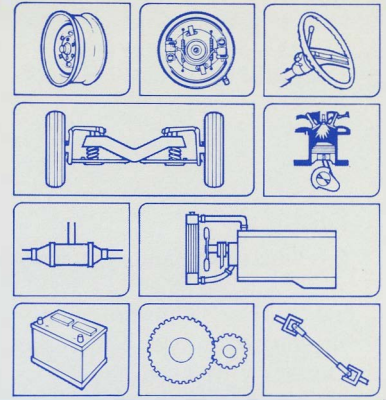




**ENTRY
LEVEL
TRADES
TRAINING**

SMALL ENGINE MECHANIC



A small engine mechanic is trained to diagnose, service and overhaul a variety of domestic and industrial machines powered by small gas or diesel engines. A qualified mechanic must be able to analyze the mechanical condition of the lawn and turf equipment, generator sets, pumps, chain saws, golf carts, small outboard motors and other gas driven equipment, and make proper recommendations for service and repair. Small engine mechanics are employed in implement sales and equipment rental centres where quality of service and repair work directly affects product reputation and sales volume.

- Program Length: 8 months*
- Normal Course Hours: 0700-1400
- Regular intake on the first Monday of every month when space is available.

*PLEASE NOTE: Program length may vary up to 20% plus or minus for students who are faster or slower than average. There will be additional costs for students who exceed the projected length of the program. Students will not be allowed to proceed at a rate that would extend the length of the program by more than 20%.

Employment Opportunities

Some opportunities exist both in and out of town in rental yards, service shops, and even golf courses. Graduates should be prepared to start as trainees, as there is no formal apprenticeship training in this trade at present.

Course Content

- Use safe working practices
- Describe the mechanics trade
- Process technical information
- Solve mathematical problems
- Apply science concepts
- Maintain mechanics measuring and hand tools
- Use mechanics shop equipment
- Use fastenings and fittings
- Oxyacetylene cut and weld
- Operate select diesel and gas powered equipment
- Identify lubricants
- Describe bearings and seals
- Electrical principles and practice
- Use special sharpening tools and machines
- Perform two and four cycle service and rebuilds

- Service electrical systems
- Service fuel systems
- Service recoil and electric starters
- Service clutch and transmission
- Service hydraulic systems
- Service diesel fuel systems
- Perform select service procedures
- Prepare for employment

Course Costs*

Program Fees	\$670.00
Student Association Fees	\$ 56.00
Additional Cost (Books and Supplies)	\$ 90.00

*Applicants may also wish to see their local Canada Employment Centre regarding sponsorship.

NOTE: The above charges are due on the first day of class. Tuition fees and costs are subject to revision by BCIT's Board of Governors.

Prerequisites

- a. Good health and physical condition are desirable. Potential students with any medical or physical difficulties should contact Student Services to arrange an interview (telephone interview if out of town) with the Institute's Special Needs Counsellor, (604) 432-8433.
- b. Anyone over 16 who meets the following requirements may apply.

EITHER:

1. Submit documentation that you have one of the following:
 - Successful completion of Career Preparation from a B.C. secondary school within the past three years;
 - Successful completion of a portion of TRAC training from another B.C. post-secondary institution within the past three years;
 - Journeyman standing in a related trade;
 - Completion of one English and one Math course within the past three years with the stipulated mark as listed over.

MATH

Math 10 with a B letter grade
 Trades Math 11 with a B
 Consumer Math 11 with a B
 Algebra 11 with a C
 Algebra 12 with a P

ENGLISH

English 10 with a B letter grade
 English 11 with a C
 Composition 11 with a C
 Communications 11 with a C
 English 12 with a P
 Communications 12 with a C
 Literature 12 with a P

OR:

2. Pass an entrance test measuring math and reading skills.

NOTE: Those with only minor deficiencies will be admitted but will be required to complete remedial upgrading at BCIT as part of the program. Those who have major deficiencies will be referred to other institutions for upgrading and, after

successfully rewriting the entrance tests, may apply to Student Admissions to resume their original place on the Institute's waiting list.

Accommodation

For assistance in finding suitable accommodation, contact the BCIT housing office at (604) 432-8677.

Financial Aid

There is an improved financial aid program for trades training. Attend a one hour information session at BCIT held every Friday at 1:30 p.m. Make an appointment for the financial aid information session by phoning Student Services, (604) 432-8433.

Applicants may also wish to see their local Canada Employment Centre regarding sponsorship.

OTHER TRADES TRAINING PROGRAMS

Aviation

Aircraft Maintenance
 Aircraft Structures

Electrical/Electronics

Appliance Repair
 Diesel Electric Power Mechanic
 Electrician
 Electronics

Mechanical

Automotive Mechanic
 Compressed Natural Gas/Liquid Petroleum Gas Installer
 Computer Numerical Control (CNC)
 Machine Operator
 Diesel Engine Mechanic
 Heavy Duty Mechanic
 Inboard/Outboard Mechanic
 Machinist
 Millwright
 Motorcycle Mechanic
 Small Engine Mechanic

Metal Working

Boilermaker
 Ironworker
 Sheet Metal Worker
 Steel Fabricator
 Welder

Construction

Bricklayer
 Carpenter
 Benchwork and Joiner
 Drafting
 Architectural/Civil
 Architectural/Mechanical
 Architectural/Structural
 Architectural Design/Technical and Graphical
 Communication
 Plumber
 Steamfitter
 Upholsterer
 Auto Trimmer
 Custom Furniture

Horticulture

Forestry Crewperson
 Landscape Maintenance and Nursery Worker
 Tree Trimmer

Food and Hospitality

Commercial Baker
 Professional Cook
 Professional Restaurant Service
 Retail Meat Processor
 Retail Meat Wrapper
 Sausage Making and Smoked Meats

How do I get more information about ENTRY LEVEL TRADES TRAINING?

Please call Student Services at (604) 432-8433. Students outside the Lower Mainland may use the HOT LINE, 1-800-242-0676. Student Services include Program Advising, Counselling, and Financial Aid and Awards. Building 1A, Second Floor.

BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY
 3700 Willingdon Avenue, Burnaby, B.C. V5G 3H2 (604) 432-8433