

# School of Transportation

## Motorcycle and Power Equipment Foundation



### OVERVIEW

Motorcycle and Power-equipment Technicians service, diagnose, repair, overhaul, and replace mechanical and electrical parts of motorcycles, scooters, all-terrain vehicles, chainsaws, lawn-mowers and other power-equipment.

### THE PROGRAM

This 20 week foundation program is designed to provide the student with the theoretical knowledge and practical skills to enter the trade. This includes core skills such as safety, tools and equipment, and employability. It also prepares the students to perform service operations as new unit assembly and full service; repair electrical components; and to service chassis, wheels, suspensions, final drives, and accessories. Upon successful completion of BCIT's Motorcycle Technician Foundation program, students receive credit for the first level of technical training required in the provincial Apprenticeship program plus 300 work based hours.

After successfully completing the Motorcycle and Power Equipment Technician Foundation program, students will receive credit for the first level of technical training requirements from the Industry Training Authority, and 300 hours credit towards their "time in trade" for the apprenticeship.

### ACCREDITATION

This foundation program meets all technical training requirements for level 1 Apprenticeship outcomes for a Motorcycle and Power Equipment Technician in BC.

## ENTRANCE REQUIREMENTS

Two years of education in English in an English-speaking country with one of the following:

- English 12 [50%] or
- Communications 12 [67%] or
- Three credits of post-secondary English, Humanities or Social Sciences [50%] from a recognized institution or
- BCIT English Trades Pre-entry Test [for applicants who have two years of education in an English-speaking country only]

Math: one of the following:

- Any Math 104 or
- BCIT Math Trades Pre-entry Test

For more information, visit; [bcit.ca/study/programs/2360ttcert#entry](http://bcit.ca/study/programs/2360ttcert#entry)

## PROGRAM LENGTH

Full-Time, 20 weeks

## REQUIRED COURSES

Required Courses:		Credits			
MPET 1200	Safe Work Practices	2.0	MPET 1206	Suspension Systems	2.5
MPET 1201	Business Procedures/Employability Skills	3.0	MPET 1207	Basic Principles of Internal Combustion Engines	1.5
MPET 1202	Tools and Equipment	4.5	MPET 1208	Electrical/Electronic Systems	6.5
MPET 1203	Welding	2.0	MPET 1209	Drive Systems	1.5
MPET 1204	Wheels, Hubs, and Tires	2.0	MPET 1210	Maintenance	10.5
MPET 1205	Brake Systems	4.0			
				<b>Total Credits:</b>	<b>40.0</b>

### Are you interested in being a student for a day?

[bcit.ca/spendaday](http://bcit.ca/spendaday)

### Attend an Information Session

[bcit.ca/infosessions](http://bcit.ca/infosessions)

### For More Information

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Programs and courses are subject to change without notice.