

Program Planning Guide

Motorcycle Mechanics, Certificate (C60260)

Program Length: 2 semesters

Career Pathway Options: Diploma in Motorcycle Mechanics (Higher entrance standards required), Certificate in Motorcycle Mechanics

Program Sites: Lee Campus - Day and Evening Program

Suggested Course Schedule:		HOURS			Grade	Semester	Notes
		Class	Lab	Credit			
1st Semester							
TRN 110	Intro to Transport Tech	1	2	2			
MCM 115	Motorcycle Chassis	1	6	3			
		2	8	5			
2 nd Semester							
TRN 120	Basic Transp Electricity	4	3	5			
MCM 122	Motorcycle Engines	2	9	5			
		6	12	10			

Total Semester Hours Credit: 15

Course Descriptions:

MCM 115 Motorcycle Chassis 1-6-3

This course covers chassis adjustments, components, and types and uses of frames and suspensions. Emphasis is placed on proper and safe use of tools and equipment in servicing and maintaining motorcycle chassis. Upon completion, students should be able to service and repair motorcycle chassis systems and suspension components.

MCM 122 Motorcycle Engines 2-9-5

This course covers the construction and operation of components in internal combustion engines used in modern motorcycles. Topics include two- and four-cycle engines, power trains, and final drive systems. Upon completion, students should be able to disassemble, inspect, measure, reassemble, and operationally test two- and four-cycle motorcycle engines.

TRN 110 Intro to Transport Tech 1-2-2

This course covers workplace safety, hazardous materials, environmental regulations, hand tools, service information, basic concepts, vehicle systems, and common transportation industry terminology. Topics include familiarization with major vehicle systems, proper use of various hand and power tools, material safety data sheets, and personal protective equipment. Upon completion, students should be able to demonstrate appropriate safety procedures, identify and use basic shop tools, and describe government regulations regarding transportation repair facilities.

TRN 120 Basic Transp Electricity 4-3-5

This course covers basic electrical theory, wiring diagrams, test equipment, and diagnosis, repair and replacement of batteries, starters, and alternators. Topics include Ohm's Law, circuit construction, wiring diagrams, circuit testing, and basic troubleshooting. Upon completion, students should be able to properly use wiring diagrams, diagnose, test, and repair basic wiring, battery, starting, charging, and electrical concerns.