

## NITEC IN TECHNOLOGY – AUTOMOTIVE TECHNOLOGY (LIGHT VEHICLES)

Course Code: NTATT / Plan Code: NTATTLV

### COURSE STRUCTURE

S/N	Module Details	Module Code	Module Objectives
M1	<b>Automotive Principles and Systems</b> 30 hrs (T) 90 hrs (P) Credits: 4 Prerequisite: Nil	AT2101FP	On completion of the module, students should be able to observe workplace health and safety, extract technical information, select and use lifting equipment and hand tools to disassemble and reassemble automotive components as well as the proper disposal of automotive wastes.
		Equivalent Code Nil	
M2	<b>Basic Chassis and Drivetrain Technology</b> 45 hrs (T) 75 hrs (P) Credits: 8 Prerequisite: Nil	AT2102FP	On completion of the module, students should be able to service and replace automotive drivetrain and chassis components like manual transmission clutch and brakes.
		Equivalent Code Nil	
M3	<b>Basic Engine Technology</b> 30 hrs (T) 90 hrs (P) Credits: 4 Prerequisite: Nil	AT2103FP	On completion of the module, students should be able to service engine system components of spark ignition and compression ignition engines.
		Equivalent Code AT2001PA	
M4	<b>Autotronics</b> 45 hrs (T) 75 hrs (P) Credits: 8 Prerequisite: Nil	AT2104FP	On completion of the module, students should be able to interpret measure, diagnose and rectify faults in vehicle electrical systems, electronic circuits and air-conditioning systems.
		Equivalent Code Nil	
M5	<b>Chassis and Drivetrain Technology (Light Vehicles)</b> 45 hrs (T) 75 hrs (P) Credits: 8 Prerequisite: Advised to complete AT2102FP	AT3102FP	On completion of the module, students should be able to diagnose and rectify faults in steering, suspension, braking systems as well as driveline system components.
		Equivalent Code Nil	
M6	<b>Engine Technology and Powertrain Management (Light Vehicles)</b> 45 hrs (T) 75 hrs (P) Credits: 8 Prerequisite: Advised to complete AT2103FP	AT3103FP	On completion of the module, students should be able to diagnose and rectify faults in engine and powertrain management systems.
		Equivalent Code Nil	

Abbreviations: T - Theory, P - Practical

### CREDITS FOR CERTIFICATION

Total of 40 credits from successful completion of 6 modules.

### OTHER ENTRY REQUIREMENTS

- Passed *ISC* in Mechanical Servicing

### VENUE

ITE College West

Note:

- 1) The training schedule of lessons is subject to change.
- 2) Depending on the demand, not all the modules in the CET *Nitec* in Technology courses will be offered in each intake. Where the modules are offered and there is insufficient enrolment, the classes will be cancelled and a full refund will be given to the affected students.