

NITEC IN TECHNOLOGY – FACILITY TECHNOLOGY (VERTICAL TRANSPORTATION)

Course Code: NTFCT / Plan Code: NTFCTVT

COURSE STRUCTURE

S/N	Module Details	Module Code	Module Objectives
M1	Electrical Services 60 hrs (T) 60 hrs (P) Credits: 7 Prerequisite: Nil	CB2101FPR	On completion of the module, students should be able to interpret electrical circuit diagrams, install lightings and power circuits with conduits and trunkings, replace lightings and accessories, rectify faults in lighting and power circuits, conduct insulation resistance and continuity tests and inspect lighting protection system.
		Equivalent Codes CB2005PA CB2101FP	
M2	Mechanical Services 60 hrs (T) 60 hrs (P) Credits: 7 Prerequisite: Nil	CB2102FPR	On completion of the module, students should be able to interpret blueprint drawings, carry out bench-fitting work, fabricate and repair metal components, perform shielded metal arc welding up to horizontal welding position (2G), carry out preventive maintenance of machinery and engines, small diesel-driven generators and pumps.
		Equivalent Codes CB2006PA CB2102FP	
M3	Lift and Escalator Systems and Equipment Maintenance 36 hrs (T) 84 hrs (P) Credits: 7 Prerequisite: Nil	CB3401PAR	On completion of the module, students should be able to identify and explain the operation, interpret lift drawings and maintain, service and repair mechanical equipment and components of lift and escalator systems in accordance with lift engineering specifications and codes of practice.
		Equivalent Code CB3401PA	
M4	Lift and Escalator Power and Control Systems Maintenance 40 hrs (T) 80 hrs (P) Credits: 7 Prerequisite: Nil	CB3402PAR	On completion of the module, students should be able to maintain, service and repair lift controllers and electrical equipment, cables, components, safety switches of lift and escalator systems in accordance with lift engineering specifications and codes of practice.
		Equivalent Code CB3402PA	
M5	Lift Inspection and Commissioning 30 hrs (T) 90 hrs (P) Credits: 4 Prerequisite: Nil	CB3403PAR	On completion of the module, students should be able to inspect and evaluate the condition of a lift hoistway, oversee the correct installation of lift equipment and components and carry out heat run and commissioning tests on lift systems in accordance with lift engineering specifications and codes of practice.
		Equivalent Code CB3403PA	
M6	Lift Maintenance Management 30 hrs (T) 90 hrs (P) Credits: 4 Prerequisite: Nil	CB3404PAR	On completion of the module, students should be able to troubleshoot, adjust and carry out routine and periodic maintenance of lift systems and equipment and also identify and recommend upgrading and improvement works to clients.
		Equivalent Code CB3404PA	

Abbreviations: T – Theory, P – Practical

CREDITS FOR CERTIFICATION

Total of 36 credits from successful completion of 6 modules.

Note:

- 1) The training schedule of lessons is subject to change.
- 2) Depending on 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.