

NITEC IN TECHNOLOGY - ELECTRICAL TECHNOLOGY (POWER & CONTROL)

Course Code: NTELT / Plan Code: NTELTPC

COURSE STRUCTURE

S/N	Module Details	Module Code	Module Objectives
M1	Residential Installation and Testing 39 hrs (T) 81 hrs (P) Credits: 6 Prerequisite: Nil	EE2106FP	On completion of the module, students should be able to design, install, test and maintain single phase electrical installation and wiring systems in residential premises in compliance with relevant local standards, regulations and codes of practice.
		Equivalent Codes EE2104FP EE2104FPR	
M2	Industrial and Commercial Installation and Testing 39 hrs (T) 81 hrs (P) Credits: 6 Prerequisite: Nil	EE2107FP	On completion of the module, students should be able to design, install, test and maintain three phase electrical installation and wiring systems in industrial and commercial premises in compliance with relevant local standards, regulations and codes of practice.
		Equivalent Codes EE2102FP EE2102FPR	
M3	Power System and Switchboard 30 hrs (T) 90 hrs (P) Credits: 6 Prerequisite: Nil	EE2109FP	On completion of the module, students should be able to perform proper isolation, lockout tag out procedures as well as maintain low voltage electrical switchboards, power monitoring system and temporary electrical supply system in compliance with relevant local standards, regulations and codes of practice.
		Equivalent Codes EE3102FP EE3102FPR	
M4	Sustainable Energy Systems 18 hrs (T) 102 hrs (P) Credits: 5 Prerequisite: Nil	EE3107FP	On completion of the module, students should be able to install, test and/or maintain solar photovoltaic (PV) systems for residential premises, electrical industrial equipment and appliances and electric vehicle (EV) charging equipment and systems in compliance with relevant local standards, regulations and codes of practice.
		Equivalent Codes EE3101FP EE3101FPR	
M5	Smart Living Systems 12 hrs (T) 108 hrs (P) Credits: 5 Prerequisite: Nil	EE3108FP	On completion of the module, students should be able to program, test and maintain smart home control systems in compliance with relevant local standards, regulations and codes of practice.
		Equivalent Codes EE2101FP EE2101FPR	
M6	Electrical Machines and Applications 30 hrs (T) 90 hrs (P) Credits: 6 Prerequisite: Nil	EE3109FP	On completion of the module, students should be able to maintain electrical motor installations including their associated conventional, digital and advanced control systems for various industrial motor applications in compliance with relevant local standards, regulations and codes of practice.
		Equivalent Codes EE2103FP EE2103FPR	

Abbreviations: T – Theory, P – Practical

CREDITS FOR CERTIFICATION

Total of 34 credits from successful completion of 6 modules.

Note:

- For information on application for Installer Licence, contact IMDA, Licensing Department on Tel: 62024361 or 62111948, and on application for Electrical Worker Licence, contact Energy Market Authority via email: ema_enquiry@ema.gov.sg or Tel: 68358075.
- 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.