

DIPLOMA OF ELECTRICAL TECHNICIAN

The main aim of the Electrician Programme is to prepare a cadre of Electrician who are competent in adapting a body of knowledge in meeting the requirements and best practices in industries through providing the trainees with knowledge in:

- Have a thorough knowledge, understanding of electrical theory and its application to lighting, power, and control equipment.
- Layout and install the various electrical circuits in residential, commercial, industrial and institutional complexes and buildings.
- Be capable of trouble shooting and maintaining electrical systems and equipment.
- Competently use the test instruments and various tools necessary to perform tasks.
- Perform assigned tasks in accordance with production standards required by industry.
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Program	Diploma of Electrical Technician		
Credit Hours	72 Credits		
Duration	Academic Year (9 Months)		
Subject		Credit Hours	Code
English Language 101		3	EN101
English Language 102		3	EN102
Fundamentals of Electricity		6	ET101
National Electrical Codes (NEC)		3	ET102
Electrical Materials and Components		3	ET103
Electrical Wiring and Illumination Theoretical		3	ET104
Electrical Wiring and Illumination Practical		3	ET105
Electrical & Electronic Measurements and Instrumentation Theoretical		3	ET106
Electrical Motor Applications, Controls and Troubleshooting		6	ET107
Residential Wiring		6	ET108
Fire Alarm Systems Theoretical		3	ET109
Fire Alarm Systems Practical		6	ET110
Low Voltage Security Systems		3	ET111
Electrical Safety		3	ET112
Practical Training		18	ET113