



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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Cambridge

Technical College

Program	Diploma of Electrical Technician		
Hours	240 Training Hours		
Duration	Academic Year (9 Months)		
Subject	Training Hours	Code	
English Language 101	20	EN101	
English Language 102	20	EN102	
Fundamentals of Electricity	20	ET101	
National Electrical Codes (NEC)	20	ET102	
Electrical Materials and Components	20	ET103	
Electrical Wiring and Illumination Theoretical	12	ET104	
Electrical Wiring and Illumination Practical	12	ET105	
Electrical & Electronic Measurements and Instrumentation Theoretical	12	ET106	
Electrical Motor Applications, Controls and Troubleshooting	20	ET107	
Residential Wiring	16	ET108	
Fire Alarm Systems Theoretical	12	ET109	
Fire Alarm Systems Practical	12	ET110	
Low Voltage Security Systems	12	ET111	
Electrical Safety	12	ET112	
Practical Training	20	ET113	