



**Cambridge**  
*Technical College*

## **DIPLOMA OF ELECTRICAL TECHNIITIAN**

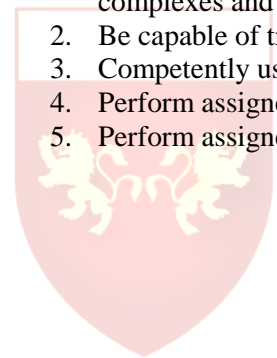
The Electrical technician diploma combines knowledge of electrical and electronic circuits.

### **Objectives**

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.

1. Layout and install the various electrical circuits in residential, commercial, industrial and institutional complexes and buildings.
2. Be capable of trouble shooting and maintaining electrical systems and equipment.
3. Competently use the test instruments and various tools necessary to perform tasks.
4. Perform assigned tasks in accordance with production standards required by industry.
5. Perform assigned tasks in accordance with production standards required by industry.



*Cambridge*  
*Technical College*



# Cambridge

*Technical College*

Program	Diploma of Electrical Technician	
Credit Hours	72 Credits	
Duration	Academic Year (9 Months)	
<b>Diploma of Electrical Technician</b>		
Subject	Code	Credit Hours
English Language 101	EN101	3
Fundamentals of Electricity	ET101	6
National Electrical Codes (NEC)	ET102	3
Electrical Materials and Components	ET103	3
Electrical Wiring and Illumination Theoretical	ET104	3
Electrical Wiring and Illumination Practical	ET105	6
Electrical & Electronic Measurements and Instrumentation Theoretical	ET106	3
Electrical Motor Applications, Controls and Troubleshooting	ET107	6
Residential Wiring	ET108	6
Fire Alarm Systems Theoretical	ET109	3
Fire Alarm Systems Practical	ET110	6
Low Voltage Security Systems	ET111	3
Electrical Safety	ET112	3
Practical Training	ET113	18