

ELECTRICAL ENGINEERING

GOAL AND OBJECTIVES

The programme is designed to produce electrical engineering technicians for the following industries; manufacturing, assembling, servicing, power generation, transmission distribution and utilisation, telecommunications and other related industries. More specifically, diplomates of the programme should be able to:

- 1) Construct simple electrical and electronic circuits when necessary for use in modification or as a part of a system;
- 2) Assemble, install and test-run simple electrical and electronic equipment;
- 3) Carry out both preventive and corrective maintenance on simple electronic/electrical installation, equipment and appliances;
- 4) Select and use appropriate instruments to carry out simple tests and measurement on all types of electrical and electronic installation and equipment under various operating conditions.
- 5) Operate relevant equipment and installations whenever required;
- 6) Prepare simple bills of quantities and specifications related to electrical/electronic engineering works;
- 7) Coordinate and supervise craftsmen in activities related to electrical/electronic engineering services

Maintain a personal logbook to record his daily and weekly activities for each semester

	ND Electrical/Electronic Engineering Technology	Five credit level passes at senior school certificate examination (SSCE) or its equivalent at not more than two sittings. The five subjects must include: English Language, Mathematics, Physics, Chemistry and any other one subject from: Basic Electricity, Basic Electronics, Metal Work, Wood Work, Technical Drawing, Economics, Commerce, Statistics, Further Mathematics, Computer Studies, Geography and Biology/Agricultural Science/Animal Husbandry.	English Language, Mathematics, Physics and Chemistry.
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