



NATIONAL DIPLOMA: ELECTRICAL ENGINEERING

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ELECTRICAL ENGINEERING: HEAVY CURRENT

The electrical engineer is involved in design, manufacture installation and management of various appliance and installations that generate or use electrical energy such as coal power station where chemical energy is transformed to electrical energy, the use of coal cells and wind turbine for the generation of electrical energy or transmission lines and substations that are used to distribute electrical energy for power, heating and lighting.

DURATION

Each level requires four subjects and runs for 10 weeks per trimester duration. Enrolments take place every trimester for all engineering courses.

ENTRY REQUIREMENTS

Grade 12 Certificate

WHAT IS THIS COURSE ABOUT?

Provision of a formal aualification that will equip and prepare the student to effectively to pursue an opportunity in the many different work areas of Electricity or Electronics.

WHAT CAREER OPPORTUNITIES ARE OUT THERE?

- Production Section Head
- Foreman
- Electrical Artisan
- Electrical Technician

WHAT SUBJECTS WILL I BE TAKING?

N4

- ELECTROTECHNICS
- MATHEMATICS
- ENGINEERING SCIENCE
- INDUSTRIAL ELECTRONICS

N5

- ELECTROTECHNICS
- MATHEMATICS
- POWER MACHINES
- INDUSTRIAL ELECTRONICS

N6

- ELECTROTECHNICS
- MATHEMATICS
- POWER MACHINES
- INDUSTRIAL ELECTRONICS

SPECIAL MODULES

- FAULT FINDING
- INSTALLATION RULES PAPER 1& 2

