

BASIC ELECTRICITY

SHORT DESCRIPTION OF COURSE AND EXPECTED COMPETENCIES

Students will, after passing the prescribed exam:

1. Have a clear understanding of the basic of electricity, simple protection and transformation as well as how electricity is distributed to the customer.
2. These basic principles and knowledge gained will equip the student for higher level courses and be able to perform basic duties in a safe manner.

COURSE CONTENT:

1. **HAVE A BASIC UNDERSTANDING OF ELECTRICITY ON SIMPLE DC CIRCUITS ON SIMPLE AC CIRCUITS**
2. **PARALLEL AND SERIES CIRCUITS**
3. **VOLT AND AMP METER CIRCUIT**
4. **BASIC MOTORS AND GENERATORS**
5. **BASIC TRANSFORMERS AND CONTROL**
6. **SINGLE LINE CIRCUIT DIAGRAMS**
7. **BASIC CB'S, FUSES AND TRANSFORMERS**
8. **ELECTRICITY – FROM POWER STATION TO CUSTOMER**

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| DURATION OF COURSE | 2 Days | MINIMUM STUDENTS | 5 |
| EXPECTED PASS MARK | 80% | MAXIMUM STUDENTS | 15 |
| TARGET POPULATION | ALL TECHNICAL STAFF | | |
| UNIT STANDARD | NON STANDARD | | |

TO ATTEND THE ABOVE COURSE/S THE STUDENT MUST MEET THESE MINIMUM REQUIREMENTS:

1. A MINIMUM OF 2 MONTHS ON JOB EXPOSURE TO HIS WORKING ENVIRONMENT.
2. STUDENTS WILL BRING PEN, PENCIL, RULER AND WRITING PAD TO THE COURSE.
3. STUDENTS MUST BE ON TIME TO START THE COURSE.
4. MUST BE LITERATE IN THE ENGLISH LANGUAGE (MINIMUM LEVEL 3 ABD).

EXAMS/TESTS WILL BE DONE ON: THE MORNING OF THE LAST DAY – COVERING THE WHOLE COURSE.