

KISII NATIONAL POLYTECHNIC

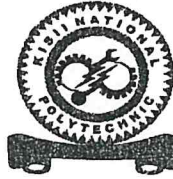
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KISII

ELECTRICAL AND ELECTRONIC ENGINEERING COURSES

EQUIPMENT AND MATERIALS REQUIRED DURING ADMISSION (Revised in 2019)

A. GENERAL

1. Engineering drawing set, Tee-Square and a 30cm scale rule
2. Scientific calculator
3. Overcoat for workshop use (navy blue)
4. Industrial boots (black colour)
5. Staedtler pencils: HB, H and 2H ; Soft erasure

B. EQUIPMENT

1. Flat screw drivers (small, medium & large)
2. Star screw drivers (small, medium & large)
3. Measuring tape (5metres)
4. Soldering iron
5. Ball-pein hammer (1/4 inch)
6. Small spirit level

C. TEXT BOOKS

1. MATHEMATICS

- (a) Technician Mathematics books 1 & 2 by J.O Bird & J.C May
- (b) Engineering Mathematics - 5th Edition , By K.A Stroud

2. PHYSICAL SCIENCES

- a) Foundation of Physics for Scientists and Engineers Volume I: Mechanics, Heat and Sound; By Ali R. Fazely
- b) A New Certificate Chemistry (6t Edition) - By A. Holderness, John Lambert

3. TECHNICAL DRAWING

- a) Geometric and Engineering Drawing, 2nd Edition by K. Morling
- b) Textbook of Engineering Drawing - by Reddy, K. Venkata.

4. ELECTRICAL/ ELECTRONICS (FOR ALL STUDENTS)

- a) Basic Electronics – by D. P. Kothari, I J Nagrath
- b) Practical Electronics for Inventors, 4th Edition - by Paul Scherz , Simon Monk
- c) Electrical installation & workshop Technology vol.1 - by F.G. Thompson
- d) Electrical installation technology 1 : Theory & Regulations - by Maurice Lews

5. TELECOMMUNICATIONS (FOR TELECOM ENGINEERING STUDENTS)

- a) Telecommunications Engineering 3rd Edition - by John Dooly , D. Geoffrey Smith
- b) Cabling: The Complete Guide to Network Wiring, 2nd Edition - by John McEneaney, David Green , David Barnes