



The Kiambu National Polytechnic

P.O Box 414-00900 Kiambu

Tel 020 3522550, 0727807713, 0734207663

Email principal@kiambupoly.ac.ke



GENERAL REQUIREMENTS

a) **Original** of your ID, Result slip /certificates and Birth Certificate for verification.

Please note that presentation of **FORGED** documents is a criminal offence and the institute shall not be held responsible for the consequences therein. You are further required to ensure that you are fit and qualified for this course.

b) One (1) Copy of 40mm by 50mm Digital passport photograph

c) Admission letter (**Kindly make a copy to be retained on admission**).

BOARDING (OPTIONAL) PER TERM - Kshs. 6,200.00

- Boarding is subject to availability of rooms and full payment of tuition fees and other levies. Students are strictly not allowed to cook or use heating appliances in the hostels.

CATERING

- A variety of meals shall be served in KINAP pay- as-you-eat (PAYE) cafeteria. Students will be able to make a choice from the available meals. All students, both borders and commuters, are encouraged to take their meals in our Cafeteria.
- A copy of KINAP menu is available at the Institutes notice boards. The parents /Guardians should provide the student with at least Kshs. 200.00 per day. This is an estimate for breakfast, lunch and supper.

MODE OF PAYMENT

All fees must be paid in full on the reporting date. Payments should be made through:

- a) Banker's cheque, Postal order or direct deposit to Kiambu Institute of Science and Technology **A/C No. 01100063992300** at Co-operative bank Kiambu Branch.



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b) KCB Bank Pay Bill. Go to **“Lipa na Mpesa”**, Select **“Pay Bill”**, Enter Business number **“700076”**, Enter Account Number (Admission number/student name e.g., **ABT-2009-06/Mustapha Ali**), Enter Amount, Enter MPESA PIN, Confirm transaction.

c) KCB Bank Account No. **1217852204**; Account Name: Kiambu Institute of Science and Technology

CONFIRMATION

- The student should confirm acceptance of the offer by paying 100% of the tuition fees and levies to the Accounts office on or before the admission date.

HOSTEL REQUIREMENTS

The following personal effects will be required during admission

- ❖ 2 blankets
- ❖ 1 pillow
- ❖ 2 pillow cases
- ❖ 2 pairs of bed sheets
- ❖ Tooth paste
- ❖ Tooth brush
- ❖ Toilet paper
- ❖ Toilet soap
- ❖ Sports shoes
- ❖ Plastic bucket
- ❖ 1 bath towel



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APPLIED SCIENCES DEPARTMENT

COURSE REQUIREMENTS FOR ANALYTICAL CHEMISTRY

COURSE REQUIREMENTS FOR INDUSTRIAL CHEMISTRY

TECHNOLOGY LEVEL 6

1. White Lab Coat (compulsory)
 2. Technical Drawing Equipment
 - i. 1 × 45/45 set square (mini size 150mm)
 - ii. 1 × 60/30 set square (mini size 150mm)
 - iii. 1 × Protractor 360 (150mm)
 - iv. A Pair of Compass (150mm)
 - v. 1 × 30 cm scale Rule
 - vi. 1 × T-square (A2 Size)
 - vii. 2 × HB Pencils
 - viii. 2 × 2H Pencil
 - ix. 1 × White Eraser
 3. A pair of closed shoes (during practical lessons)
 4. Physical Chemistry by Sharma and Sharma
 5. ORGANIC Chemistry by Morrison and Boyd
 6. Analytical Chemistry by Skoog
 7. Inorganic Chemistry Cotton & Wilkinston
 8. Vogel's Textbook of Qualitative Inorganic Analysis J. Bassett et-al
 9. Principles of BIO-Chemistry Publisher: Wiki Books 2011
- (b) Books (4), (5) and (7) are mandatory**



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COURSE REQUIREMENTS FOR SUSTAINABLE AGRICULTURE FOR RURAL DEVELOPMENT LEVEL 5/ AGRICULTURAL EXTENSION LEVEL 6

A dust coat (field/farm coat) (Compulsory) – Green in color

1. Technical Drawing Equipment

- (i) 1 × 45/45 set square (mini size 150mm)
- (ii) 1 × 60/30 set square (mini size 150mm)
- (iii) 1 × Protractor 360 (150mm)
- (iv) A Pair of Compass (150mm)
- (v) 1 × 30 cm scale Rule
- (vi) 1 × T-square (A2 Size)
- (vii) 2 × HB Pencils
- (viii) 2 × 2H Pencil
- (ix) 1 × White Eraser

2. A pair of gumboots (black in colour) (Compulsory)

3. A pair of gloves (compulsory)

4. Certificate Agriculture – Form 1- 4 (Any one title)

5. Farm equipment, machinery, structures and buildings by L. Anyanzo

6. Comprehensive Agriculture – F1 – F4 by P. Nkurunziza (Any one title)

7. Basic concepts of micro economics with special reference to Kenya by C. Akello –

8. Fundamentals of Agronomy by Gopal Chandra De

9. Simplified Economics by Salemi A.

10. Modern Economics by Mudida

11. Success in Agriculture (Volume 1,2,3,4,5,6,7) by James Mwangi Ndiritu

12. Applied Mathematics for Craft Engineering by Prof. S. M. Uppal, Simon Gacharu, et, al.



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COURSE REQUIREMENTS FOR ENVIRONMENTAL SCIENCE LEVEL 6

- i) Practical Methods in Ecology & Environmental Science (R.K.Trivedy. et.al)
- ii) Environmental Chemistry (A.K. De)
- iii) Environmental Biology by Allan M. Jones (2001)
- iv) Environmental Economics & Natural Resource Economics (the Pearson Series in Economics). Thomas H. Tietenberg
- v) Human Ecology (2001) Gerald G. Marten
- vi) Understanding Human Ecology: A Systems Approach to Sustainability (2014) Robert Dyball & Barry Newell
- vii) White Laboratory Coat (compulsory)

COURSE REQUIREMENTS FOR APPLIED STATISTICS LEVEL 6

1. Higher Engineering Mathematics by John Bird (6th Edition)
2. Statistics by S.P. Gupta.
3. Modern Economics by Mundida
4. White Laboratory Coat (compulsory)

COURSE REQUIREMENTS FOR APPLIED BIOLOGY LEVEL 6

1. White Lab Coat (compulsory)
2. Technical Drawing Equipment
3. 1× 45-45 set square (mini size 150mm)
4. 1× 60/30 set square (mini size 150mm)
5. 1 × Protractor 360 (150mm)
6. 1× Pair of Compass (150mm)
7. 1× 30 cm scale Rule
8. 1× T-square (A2 Size)
9. 2 ×HB Pencils
10. 2 ×2H Pencil No White Eraser
11. Closed shoes (during practical lessons)
12. Medical Parasitology 2nd Edition by Dr. Alora & B. Alora
13. A text book for Medical Microbiology by Guptt Ross &Wilson
14. Biological Sciences by Taylor, stout and Green.



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COURSE REQUIREMENTS FOR DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY

Subject Cluster Combination

Minimum Requirement for a Diploma

1. C in Maths / Physics / Biology
2. C plain in Chemistry or Physical Science or a Pass in Medical Lab Tech
3. White Lab Coat (compulsory)
4. Dissecting Kit
5. Text book: Medical laboratory by Baker
6. Text book: Clinical pathology by Sitati

COURSE REQUIREMENTS FOR SCIENCE LABORATORY TECHNOLOGY

LEVEL 5

- 1) White lab coat (compulsory)
- 2) Biological Sciences by Taylor Stout and Green
- 3) Protective eye goggles
- 4) T-Square
- 5) Scientific calculator (Casio fx-82MS)
- 6) Mathematical set.
- 7) Drawing Set
- 8) Drawing pencils
- 9) Writing materials (8 A4 Exercise books 200 pages)
- 10) Dissecting kit

COURSE REQUIREMENTS FOR FOOD SCIENCE AND PROCESSING TECHNOLOGY LEVEL 5 AND LEVEL 6

1. White lab coat
2. White gumboots
3. White Hair cover/ head gear
4. Box file for POE



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BAKING TECHNOLOGY DEPARTMENT
REQUIREMENTS FOR BAKING TECHNOLOGY LEVEL 6 (DIPLOMA),
BAKING TECHNOLOGY LEVEL 5 (CERTIFICATE) AND BAKING
TECHNOLOGY LEVEL 4 (ARTISAN)

1. Public Health Food Handlers Certificate-Compulsory

2. Uniform

- i. Two black skirts/trousers (**NOT TIGHT/NOT JEANS**)
- ii. Two white aprons
- iii. Two white T-shirts
- iv. Two white baker's caps
- v. Two white chef's jackets
- vi. One pair of low closed black shoes

3. Six plastic bowls

- 35cm diameter
- 30cm diameter
- two 20cm diameter
- two 15cm diameter

4. Two tea towels

5. Two dish clothes

- a. One clear plastic ruler (30cm)
- b. One clear plastic/glass ruler (one meter)



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7. One weighing scale (digital inches)



8. Two painter's brushes (4 inches and 2 inches)



9. One calibrated measuring jug (one litre plastic scraper



10. Metal scraper 11. One



12. One palette knife



13. One bread knife (serrated knife)



14. Two knives (one small and one big)



15. One pastry cutter



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16. One pair of oven glove



17. One STRONG whisk



18. One piping bag (16 inches) and five nozzles

- Two-star nozzles -Writing nozzle (Big mwiko)
- Leaf nozzle - Rose (medium and small)



19. One Wooden spatula



20. Rolling stick
scissors



21. One soft Hand broom



22. One pair of



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23. One LARGE plastic Sieve
round, and one set



24 2 sets of cookie cutters (one set
any other shape).



25. Four (4) round metallic cutters with **2 of 6 cm** and **2 of 8cm diameter**.



28. PUBLIC HEALTH FOOD HANDLER'S CERTIFICATE (COMPULSORY) TEXT BOOKS

1. The technology of food preservation- Desrosier Norman W.
2. Modern Food microbiology – Jay James
3. Food Science- Potter N. Norman
4. Nutrition Science – B. Srilakshmi
5. Nutrition through the life cycle-Brown Wadsworth Cengage learning
6. Dietary reference intakes for Thiamin, Riboflavin, Niacin,-National Academics press



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REQUIREMENTS FOR LEVEL 6/LEVEL 5 IN NUTRITION AND DIETETICS.

Subject Cluster Combination

1. Grade D+ (plus) for Diploma, D (Plain) for Certificate in the following **mandatory** subjects-
 - i. Chemistry or Physical Sciences
 - ii. Biology /Biological Sciences
 - iii. English/Kiswahiliand
2. Grade D (plain) in **any** of the following subjects-
 - i. Physics
 - ii. Mathematics
 - iii. Home science
 - iv. Agriculture or
 - v. General Science

NB: For those taking Nutrition and Dietetics course, upgrading of subjects can be done with KNDI at a fee of Ksh 10,000 per subject.

3. Uniform

- i. Two black skirts/trousers (**NOT TIGHT/NOTJEANS**) Two white aprons
- ii. Two white baker's caps
- iii. Two white chef's jackets
- iv. One pair of low closed black shoes

NB: ALL SKIRTS MUST BE BELOW THE KNEE LENGTH

ALL TROUSERS MUST BE LOOSE FITTING

4. One digital weighing scale (5kg capacity)
5. One clear plastic/glass ruler (one meter)
6. One clear plastic ruler (30cm)
7. Four plastic bowls
 - i. Two 30 cm diameter
 - ii. 20cm diameter
 - iii. 15cm diameter
8. One calibrated measuring jug (one-liter capacity)



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9. Food masher
10. 1 set of knives
 - Butchers knife
 - Filleting
 - Turning
 - Bread
 - Fruit
11. Towels
 - Two dish clothes
 - One hand towel
12. One white damask table cloth (2m square)
13. One green slip cloth (1m)
14. 4 white damask table napkins (20 inches square)
15. One large sieve
16. One set measuring cups
17. Wooden stick/mwiko
18. Rolling stick
19. One pair of oven gloves
20. Vegetable peeler
21. A set of cutleries i.e., 6 Table spoons, 6 Knives, 6 Tea spoons and 6 forks.
22. Six table mats.
23. Three serving bowls (Hot pots).
24. Writing materials: ten A4 exercise books, pens, one ream ruled foolscaps

10. PUBLIC HEALTH FOOD HANDLER'S CERTIFICATE (COMPULSORY)

**11. INDEXING WITH KENYA NUTRITIONISTS AND DIETECIANS
INSITUTE (KNDI). Online indexing can be done following the link**

<https://osp.kndi.institute/#/>



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LIST OF TEXT BOOKS FOR NUTRITION CLASSES.

1. Fundamentals of foods, nutrition and diet therapy. - Mudhambi R. Sumati
2. Nutrition science – B. Srilakshmi
3. Foods & nutrition – Anita Tull
4. The technology of food preservation- Desrosier Norman W.
5. Modern Food microbiology – Jay James
6. Food Science- Potter N. Norman
7. Nutrition Science – B. Srilakshmi
8. Nutrition through the life cycle-Brown.Wadsworth Cengage leaning
9. Dietary reference intakes for Thiamin, Riboflavin, Niacin,-National Academics



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BUILDING AND CIVIL ENGINEERING DEPARTMENT

(A) REQUIREMENTS FOR BUILDING TECHNOLOGY LEVEL 5, MASONRY LEVEL 5, PLUMBING LEVEL 5 AND PLUMBING LEVEL 4

Stationery

- i. A4 Ruled papers
- ii. A4 size folders or files
- iii. Pencil (HB: 2 in number, 2H: 2 in number)
- iv. A4 Exercise books (120 pages, 8 books)

Drawing Equipment

- i. 300 mm ruler
- ii. 300mm size folders files
- iii. Set square 45° and 60° (size 150 mm)
- iv. Compass (Size 150mm)
- v. T-Square (A2size) Miscellaneous
- vi. Scientific calculator

PLUMBING LEVELS 4 & 5 TOOLS (COMPULSORY)



Hacksaw with blade



Tape measure



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Pliers



Pipe wrench



Rubber mallet



Tin snip



Overall for Plumbing levels 4 & 5 – Grey



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TOOLS FOR MASONRY LEVEL 5 (COMPULSORY)



1.MASON HAMMER



2.MASON SQUARE



3.TAPE MEASURE



4.FLAT COLD CHISEL



5.HELMET



6.PLUMB BOB SIZE NO 6



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7.MANILLA STRING



8. SPIRIT LEVEL 85 CM LONG (STANLEY/ INGCO)



Overall for Masonry level 5 – Jungle green



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CARPENTRY TOOLS FOR CARPENTRY LEVEL 5 (COMPULSORY)



Chisel 1/2 inch



Marking gauge



Tenon saw



Tape measure



Claw hummer



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Try Square



Overall for Carpentry levels 4&5 – Maroon

TOOLS FOR BUILDING TECHNOLOGY LEVEL 5 (COMPULSORY)



TAPE MEASURE



Claw hummer



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MASON HAMMER



PLUMB BOB SIZE NO 6



HELMET



Overall for Building Technician level 5 – Beige



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RECOMMENDED TEXTBOOKS FOR BUILDING TECHNOLOGY LEVEL 5

- i. Technician Mathematics Level 1 & 2 Author Bird & May
- ii. SMP – Advanced Mathematics Table
- iii. Building Technology Ivor H. Seeley
- iv. Brickwork Vol. 1 & 11 by W.G Nash
- v.

RECOMMENDED TEXTBOOKS FOR PLUMBING LEVEL 4&5

- i. Technician Mathematics Level 1 & 2 Author Bird & May
- ii. SMP – Advanced Mathematics Table
- iii. Building services & Equipment Vol. 1 by F. Hall.
- iv. Plumbing Mechanical Services Book 1 G.L Blower.

RECOMMENDED TEXTBOOKS FOR CARPENTRY LEVEL 5

- i. Technician Mathematics Level 1 & 2 Author Bird & May
- ii. SMP – Advanced Mathematics Table
- iii. Carpentry and Joinery 1 by Brian Porter 3rd Edition (Books 1,2,3)

COURSE REQUIREMENTS FOR IN ARCHITECTURAL TECHNOLOGY LEVEL 6

Subject Cluster Combination C- (Minus) Mean score: C Plain in Cluster Subjects i.e., Mathematics, English, Physics/Physical Science

EQUIPMENT AND STATIONERY (COMPULSORY) STATIONERY

- i. A4 Ruled foolscaps
- ii. A4 Graph papers
- iii. A4 Size folders or files
- iv. Chain surveying field book
- v. Leveling sheets
- vi. Staedtler pencils (6B, 4B, 2B, HB, SH, 4H)
- vii. A4 Exercise books (120 pages, 15 books)

DRAWING EQUIPMENTS

- i. 300 Ruler
- ii. Protractor, 180° or 360° (minimum size 150mm)
- iii. Set square 45° and 60° (minimum size 150mm)
- iv. Adjustable Compasses (150mm)
- v. Wooden T-square (A2 Size)
- vi. Cutter knife 1 No.



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- vii. Steel edge 1 No.
- viii. F x 570 or 991 Scientific calculator

COURSE REQUIREMENTS FOR BUILDING TECHNOLOGY LEVEL 6/ CIVIL ENGINEERING LEVEL 6/ QUANTITY SURVEYING LEVEL 6/ CONSTRUCTION MANAGEMENT LEVEL 6

Subject Cluster Combination for Quantity Surveying C- (Minus) Mean score: C- (Minus) in Mathematics, C- (Minus) in English, C- (Minus) in Physics and Chemistry or Physical Science

STATIONERY

- i. A4 Rules papers
- ii. A4 Graph papers
- iii. A4 Size folders or files
- iv. A4 Exercise books (120 pages, 15 books)

DRAWING EQUIPMENTS

- i. 30cm rule
- ii. Set Square 45⁰ and 60⁰ (minimum size 150 mm)
- iii. Adjustable Compasses (150 mm)
- iv. Wooden T. Square (A2 size)
- v. FX570 or 991 Scientific Calculator



Overall for Civil Engineering Level 6 – Navy blue



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Overall for Building Technology Level 6 – Brown



Overall for Architectural Technology Level 6, Construction Management Level 6 & Quantity Surveying Level 6 – Light Blue

BOOKS RECOMMENDED FOR: BUILDING TECHNOLOGY LEVEL 6, CIVIL ENGINEERING LEVEL 6, CONSTRUCTION MANAGEMENT LEVEL 6 AND QUANTITY SURVEYING LEVEL 6

A. MATHEMATICS

- i. Engineering Mathematics by Stroud
- ii. Technician Mathematics Level 4 & 5 by Bird, J.O
- iii. S.M.P. Mathematics Table

B. STRUCTURES

- i. Materials and structures by Whitlaw
- ii. Strength of materials by R. Khurmi C.

C. SURVEYING

- i. Surveying by banister
- ii. Surveying for construction by Irvine W.H D.

C. CONCRETE TECHNOLOGY Any one of these two

- i. Concrete technology by M.L Gambir



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ii. Properties of concrete by Neville A.M F.

D. BUILDING CONSTRUCTION

i. Building technology by I.H. SEELEY

ii. Construction technology handbook R. Chudley & Greeno Any one of these two

N.B Low priced editions (E.L.B.S) etc. are available on most book

titles.

BCE HELMETS FOR ALL STUDENTS- (COMPULSORY)



Safety Helmet yellow in color



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BUSINESS, ENTREPRENEURSHIP AND SOCIAL STUDIES DEPARTMENT **REQUIREMENTS FOR NEW STUDENTS: - ALL LEVEL 5 & LEVEL 6**

COURSES

- HB pencils, Biro pens and ruler
- Scientific calculator
- 7 A4 single ruled and 1A4 squared 200 pages exercise books
- 1 ream A4 Fools caps

REQUIREMENT FOR NEW STUDENTS - COUNSELING PSYCHOLOGY **LEVEL 6**

The students must be prepared to do 10 personal therapy sessions



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ELECTRICAL AND ELECTRONICS ENGINEERING DEPARTMENT

COURSE REQUIREMENTS FOR:

ELECTRICAL ENGINEERING (POWER OPTION) LEVEL 6

ELECTRICAL ENGINEERING TELECOMMUNICATION LEVEL 6

INSTRUMENTATION AND CONTROL LEVEL 6

ELECTRICAL INSTALLATION LEVEL 5

INSTRUMENTATION AND CONTROL LEVEL 5

ELECTRICAL INSTALLATION LEVEL 4

A. DRAWING INSTRUMENTS AND STATIONERY

1. Complete set of drawing instruments
2. 1No. T-square
3. 2 HB pencils (staedler)
4. 2No. 2H pencils (staedler)
5. 1No. Ream of ruled papers(foolscaps)
6. 1No. Eraser
7. Size A4 Exercise books (Enough)
8. 3No. Spring Files
9. 1No. Scientific non-programmable Calculator
10. Set square 45°/45° and 30°/60° (minimum size 150mm)
11. 1No. Masking tape (3/4 inch)
12. 1No. Tri Square



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B. TOOLS

1. 1No. Pliers – Medium size
2. 1No. Long Pliers
3. 1No. Side cutter
4. 1No. Electricians Knife
5. 1No.Hacksaw Frame and Blades
6. 1No. Spirit level
7. 1No. Ball pen hammer (small)
8. 1No Small size hand drill (with 2No. 3mm bits)
9. Phase tester
10. Set of screw drivers (small, medium, large)
11. 1No. overall grey in colour
12. Steel tape measure (3m)
13. Soldering Iron (25w.)
14. Bending spring (20mm)
15. Digital Multimeter – (DT9205A)
16. Safety Boots (Black in colour)
17. Helmet (Blue in colour)

C. BOOKS

1. FOUR Figure Mathematical Table (SMP)
2. Electrical Technology by Hughes
3. Electronics by R.S Sedha
4. Electrical Technology by B.L. Theranja (optional)



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HOSPITALITY DEPARTMENT

COURSE REQUIREMENTS FOR:

Culinary Arts Level 5

Culinary Arts Level 6

Food and Beverage Sales and Service Level 5

Food and Beverage Sales and Service Management Level 6

Housekeeping and Accommodation Level 5

Housekeeping and Accommodation Management Level 6

1. Public Health Food Handlers Certificate-Compulsory

2. Kitchen Uniform - (Required for Culinary arts students only)

MALE

- i. Black and white small check pair of trousers
- ii. White chef's cap
- iii. White chef's jacket
- iv. Red chef's Scarf
- v. White apron
- vi. Covered black low leather shoes

FEMALE

- i. Black and white small check A-Line skirt (length should be below the knee)
- ii. White chef's cap
- iii. White chef's jacket
- iv. Red chef's Scarf
- v. White apron
- vi. Covered black low leather shoes



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3. Service Uniform - (Required for both Culinary Arts and Food and beverage service students)

MALE.

- i. White long-sleeved shirt
- ii. Black pair of trousers (loose fitting)
- iii. Black bowtie
- iv. Covered black low leather shoes
- v. White Dust coat

FEMALE.

- i. White long-sleeved shirt
- ii. Black A-Line skirt (length should be below the knee)
- iii. Black bowtie
- iv. Covered black low leather shoes
- v. White Dust coat

4. Housekeeping Uniform (Only required for **Housekeeping and Accommodation** students)

MALE & FEMALE - Light blue short sleeved top and trouser (see picture below)



- Light blue scarf for ladies.

PS. ALL SKIRTS AND DRESSES SHOULD BE BELOW KNEE LENGTH ALL TROUSERS, SKIRTS AND SHIRTS SHOULD BE LOOSE FITTING.

5. Kitchen Linen

- i. One white tea towel
- ii. One Dish cloth
- iii. A pair of oven gloves
- iv. One hand towel

6. Service Linen

- i. One white tea towel

- ii. One non-fluffy glass cloth
- iii. One dish cloth
- iv. One hand towel
- v. One yellow duster
- vi. Two white Damask dinner cloths 1 1/2 x 1 1/2 m
- vii. Two slip cloths 1m x 1m (see attached samples)
- viii. Eight white damask table napkins 20-inch square
- ix. Four white cotton (poplin) sideboard liners 48 x 12 inches each.

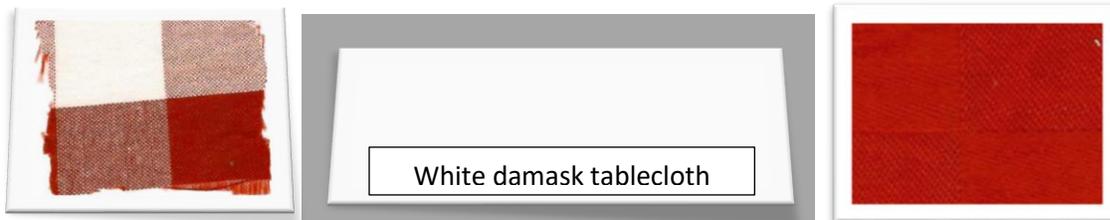
NB: Culinary Arts Level 6

Food and Beverage Sales and Service Management Level 6

Checked red and white cotton table linen as per attached sample 1 1/2 m x 1 1/2 m

White damask tablecloth as per attached sample 1 1/2 m x 1 1/2 m

Red damask slip cloth as per attached sample 1 m x 1 m



Culinary Arts Level 5

Food and Beverage Sales and Service Level 5

White damask tablecloth as per attached sample 1 1/2 m x 1 1/2 m,

Orange damask slip cloth as per attached sample 1 m x 1 m



7. PERSONAL TOOLS

A. 5 Pieces Knife Set

Five pieces' knife set as attached comprising

- i. Butcher's /cook's knife
- ii. Paring knife
- iii. Fillet/ steak knife
- iv. Bread knife
- v. Fruit knife

B. One multipurpose bottle opener

C. One small white flower vase

D. Measuring jug one litre capacity

E. Potato peeler

F. Weighing scale up to 5kg.

G. Additional useful tools

- i. Piping bag 16 inches
- ii. Big plastic nozzles; star and plain
- iii. Measuring spoons
- iv. Measuring cups
- v. Fruit scooper
- vi. Metal sieve (large)

8. STATIONERY

i. Record cards

ii. Box file for the record cards

iii. Receipt book

iv. Billing pads (a small scribbling pad)

v. Felt pens; assorted colors

vi. Scientific calculator

vii. Exercise books

viii. Pens, pencil, Ruler

RECOMMENDED TEXT BOOKS



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(CULINARY ARTS STUDENTS)

1. Practical Cookery by Kinton and Ceserani **OR** by D. Foskett, Paskins, Rippington & Thorpe
2. Theory of catering by Kinton and Ceserani **OR** The Theory of Hospitality and Catering by David Foskett and Patricia Paskins

RECOMMENDED TEXT BOOKS

(FOOD AND BEVERAGE SERVICE STUDENTS)

Food and Beverage Service by John Cousins, Dennis Lillicrap & Suzanne Weekes

RECOMMENDED TEXT BOOKS

(HOUSEKEEPING AND ACCOMMODATION)

Hotel, Hostel and Hospital Housekeeping 5th Edition by Joan Branson

ADMISSION REQUIREMENTS FOR FASHION DESIGN

ITEMS TO BE BROUGHT BY LEVEL 5 & 6 FASHION DESIGN TRAINEES

STATIONERY

1. One tape measure
2. 1 Pair of scissors (shears) 9” and 1 pair of small scissors 6”
3. One seam ripper
4. One packet hand sewing needles (Assorted sizes)
5. Five pieces tailors chalk of different colours
6. One packet of dress making pins
7. One tracing wheel
8. 1 Electric Bobbin and bobbin case
9. 1 Manual Bobbin and bobbin case
10. Assorted sewing threads
11. Ruler (1 metre length)
12. Six 200 pages exercise books (A4)
13. Two drawing books (A3)
14. One packet-coloured pencils
15. French Curves (plastic packet)



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16. Five blue/black pens
17. Four pencils (HB and 2H)
18. Rubber/eraser (White)
19. Two spring files
20. One ream foolscaps paper
21. One ream duplicating papers
22. One cello tape (½” wide)
23. Pritt Glue stick
24. A clear pocket folder (with 60 pockets)
25. A set of set square (plastic)
26. White dust coat
27. Low heeled black leather shoes.

RECOMMENDED TEXTBOOKS

Metric Pattern cutting for Women’s wear by Winfred Aldrich

Metric Pattern cutting for Men’s wear by Winfred Aldrich

Metric Pattern cutting for Children's Wear and Babywear by Winfred Aldrich



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The Kiambu National Polytechnic

P.O Box 414-00900 Kiambu

Tel 020 3522550, 0727807713, 0734207663

Email principal@kiambupoly.ac.ke



ICT AND COMPUTER STUDIES DEPARTMENT

REQUIREMENT FOR NEW STUDENTS: ALL COURSES

1. Laptop (**compulsory**)
2. Seven A4 Exercise Books
3. HB Pencil, Pens & Ruler
4. FOUR Figure Mathematical Table (SMP)
5. A4 Fools caps (1 Ream) papers
6. One ream photocopying papers.
7. Oxford Geometric Set
8. Casio FX 100ms Scientific calculator
9. Two Spring files



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MECHANICAL ENGINEERING AND INDUSTRIAL MECHATRONICS DEPARTMENT

MECHANICAL TECHNOLOGY (PRODUCTION) OPTION REQUIREMENTS FOR MECHANICAL TECHNOLOGY(PRODUCTION)

LEVEL 5

LIST OF STATIONERY

- 1 (One) Ream of foolscaps
- 1 (One) Spring file
- Writing materials throughout the course

BOOKS

1. Production Technology by R. K Jain
2. Mathematics for craft engineering students by Kamau & Uppal 3 Applied Science by R. C Stephens.
3. Strength of materials by R. C Stephens.
4. Mechanics of Machine by R. C Stephens. 6 Technician Mathematics by J.O Bird BK I, II & III
5. Geometric and Engineering Drawing by K.Morling
6. Scientific calculator- FX82MS

TECHNICAL DRAWING REQUIREMENTS

1. Tee Square fitting to the drawing board
2. 200mm 45° clear plastic set square
3. 250mm 30° and 60° clear plastic set square
4. 150mm Clear transparent plastic protractor
5. Plastic ruler, 2H, H and HB Pencil eraser and Sharpener



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6. Engineering drawing set box
7. A3 Drawing Book

WORKSHOP REQUIREMENTS

1. Navy Blue Dust coat/Overall
2. Closed leather shoes

MECHANICAL TECHNOLOGY (PRODUCTION)

REQUIREMENTS FOR MECHANICAL TECHNOLOGY (PRODUCTION) LEVEL 6

1. 1 (One) Ream of foolscaps
2. 1 (One) Spring file
3. Writing materials throughout the course

BOOKS

1. Production Technology by R. K Jain.
2. Applied mathematics by Stroud-Year 1
3. Theory of Machines by R.S khurmi & J.K Gupta – Year II
4. Applied thermodynamics for engineering technologist by T.D East and A.Mcconkey
5. Geometric and Engineering Drawing by K. Morling
6. Fluid mechanics Volume 1 and II by J.F Douglas – Year III
7. Scientific calculator- FX82MS

TECHNICAL DRAWING REQUIREMENTS

1. Tee Square fitting to the drawing board
2. 200mm 45° clear plastic set square
3. 250mm 30° and 60° clear plastic set square
4. 150mm Clear transparent plastic protractor
5. Plastic ruler, 2H and HB Pencil eraser and Sharpener
6. Engineering drawing set box
7. A3 Drawing Book



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WORKSHOP REQUIREMENTS

1. Navy Blue Dust coat/Overall
2. Closed leather shoes

N/B: Students are encouraged to have a laptop or tablet/Smartphone

AUTOMOTIVE TECHNOLOGY SECTION

REQUIREMENTS FOR AUTOMOTIVE TECHNOLOGY LEVEL 5

LIST OF STATIONERY

1. 1 (One) Ream of photocopying papers
2. 1 (One) Spring file
3. Writing materials throughout the course
4. Scientific calculator

BOOKS

1. Automotive training course book 1 by George K. Minyaru & Jeff N. Kariuki – ICT
Wise Bookshop Kiambu Town, opposite Kiambu market
2. Automotive training course book 2 by George K. Minyaru & Jeff N. Kariuki – ICT
Wise Bookshop Kiambu Town, opposite Kiambu market
3. Mathematics for craft engineering students by Kamau &Uppal
4. Technician Mathematics by J.O Bird BK I, II AND III
5. Geometric and Engineering Drawing by K.Morling

TECHNICAL DRAWING REQUIREMENTS

1. An A2 Size Drawing Board
2. Tee Square fitting to the drawing board
3. 200mm 45° clear plastic set square
4. 250mm 30° and 60° clear plastic set square
5. 150mm Clear transparent plastic protractor
6. Plastic ruler, 2H, H and HB Pencil eraser and Sharpener
7. Engineering drawing set box
8. A3 Drawing Book

WORKSHOP REQUIREMENTS

1. Navy Blue Dust coat/Overall
2. Closed leather shoes



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AUTOMOTIVE TECHNOLOGY SECTION

REQUIREMENTS FOR AUTOMOTIVE TECHNOLOGY LEVEL

6 LIST OF STATIONERY

1. 1 (One) Ream of photocopying papers
2. 1 (One) Spring file
3. Writing materials throughout the course
4. Scientific calculator

BOOKS

1. Automotive training course book 1 by George K. Minyaru & Jeff N. Kariuki – ICT
Wise Bookshop Kiambu Town, opposite Kiambu market
2. Automotive training course book 2 by George K. Minyaru & Jeff N. Kariuki – ICT
Wise Bookshop Kiambu Town, opposite Kiambu market
3. Applied mathematics by Stroud-Year 1
4. Theory of Machines by R.S khurmi & J.K Gupta – Year II
5. Applied thermodynamics for engineering technologist by T.D East and
A.Mcconkey
6. Geometric and Engineering Drawing by K. Morling
7. Fluid mechanics Volume 1 and II by J.F Douglas – Year III

TECHNICAL DRAWING REQUIREMENTS

1. An A2 Size drawing Board
2. Tee Square fitting to the drawing board
3. 200mm 45° clear plastic set square
4. 250mm 30° and 60° clear plastic set square
5. 150mm Clear transparent plastic protractor
6. Plastic ruler, 2H and HB Pencil eraser and Sharpener
7. Engineering drawing set box
8. A3 Drawing Book

WORKSHOP REQUIREMENTS

1. Navy Blue Dust coat/Overall
2. Closed leather shoes



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WELDING AND FABRICATION TECHNOLOGY SECTION

REQUIREMENTS FOR WELDING AND FABRICATION TECHNOLOGY

LEVEL 5

LIST OF STATIONERY

1. 1 (One) Ream of photocopying papers
2. 1 (One) Spring file
3. Writing materials throughout the course

BOOKS

- 1 The Motivate series, Practical Welding, Moran Publishers, by Stuart Gibson
- 2 Welding Fundamentals, 5th Ed., by William, Kevin, Mark Bowditch
- 3 Mathematics for craft engineering students by Kamau &Uppal
- 4 Technician Mathematics by J.O Bird BK I, II AND III
- 5 Geometric and Engineering Drawing by K.Morling
- 6 Scientific calculator

TECHNICAL DRAWING REQUIREMENTS

- 1) An A2 Size Drawing Board
- 2) Tee Square fitting to the drawing board
- 3) 200mm 45° clear plastic set square
- 4) 250mm 30° and 60° clear plastic set square
- 5) 150mm Clear transparent plastic protractor
- 6) Plastic ruler, 2H, H and HB Pencil eraser and Sharpener
- 7) Engineering drawing set box

WORKSHOP REQUIREMENTS

1. Navy Blue Dust coat/Overall
2. Closed leather shoes

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WELDING AND FABRICATION TECHNOLOGY SECTION

REQUIREMENTS FOR WELDING AND FABRICATION TECHNOLOGY

LEVEL 6

LIST OF STATIONERY

- 1) 1 (One) Ream of photocopying papers
- 2) 1 (One) Spring file
- 3) Writing materials throughout the course

BOOKS

1. The Motivate series, Practical Welding, Moran Publishers, by Stuart Gibson
2. Welding Fundamentals, 5th Ed., by William, Kevin, Mark Bowditch
3. Applied mathematics by Stroud-Year 1
4. Theory of Machines by R.S Khurmi & J.K Gupta – Year II
5. Applied thermodynamics for engineering technologist by T.D East and A.Mcconkey
6. Geometric and Engineering Drawing by K. Morling
7. Fluid mechanics Volume 1 and II by J.F Douglas – Year III
8. Scientific calculator

TECHNICAL DRAWING REQUIREMENTS

- 1) An A2 Size Drawing Board
- 2) Tee Square fitting to the drawing board
- 3) 200mm 45° clear plastic set square
- 4) 250mm 30° and 60° clear plastic set square
- 5) 150mm Clear transparent plastic protractor
- 6) Plastic ruler, 2H and HB Pencil eraser and Sharpener
- 7) Engineering drawing set box
- 8) A3 Drawing Book

WORKSHOP REQUIREMENTS

- 1) Navy Blue Dust coat/Overall
- 2) Closed leather shoes

N/B: Students are encouraged to have a laptop or tablet/Smartphone



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REQUIREMENTS FOR INDUSTRIAL MECHATRONICS TECHNOLOGY

LEVEL 6

A) BOOKS

- Engineering Mathematics by Stroud
- S.M.P Mathematical Tables
- Metalwork by George Love.

B) ENGINEERING AND COMPUTER AIDED DRAWING (CAD)

- Drawing set and T-Square
- Oxford geometrical set
- A3 drawing book
- Isometric grid book

C) OCCUPATIONAL HEALTH AND SAFETY (OSH)

- Overall and Dustcoat – Cotton, Navy Blue in Color.
- Coated fabric workshop gloves
- Workshop safety boots
- Workshop safety goggles
- Safety cap (hat)

D) STATIONERY

- H, HB, and B pencils (Staedtler)
- I No. Eraser
- Size A4 Exercise books (8)
- 3No. Spring files, 3 A4 Size folders
- Fx570 or 991 Scientific Calculator

E) LAPTOP

NB: Every student must have a laptop on reporting;

Recommended minimum specs; Intel core i5, 2GHZ, 2GB RAM, 512GB MEMORY



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