



MINISTRY OF EDUCATION, STATE DEPARTMENT FOR TECHNICAL, VOCATIONAL EDUCATION AND TRAINING **THIKA TECHNICAL TRAINING INSTITUTE**

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COURSES OFFERED IN APRIL, MAY AND SEPTEMBER 2024

**Applications are invited for the courses outlined below:
A. FULL-TIME COURSES**

1. MECHANICAL ENGINEERING DEPARTMENT

COURSE	MINIMUM REQUIREMENTS	OTHER REQUIREMENTS	INTAKE	DURATION	EXAM BODY
Mechanical Plant Technology Level 6	KCSE C- (Minus) And above or related Engineering Level 5 certificate with one year of continuous work experience	NONE	SEPTEMBER	3 Years	CDACC
Mechanical Engineering Technology Production Level 6	KCSE C- (Minus) And above or Level 5 Certificate in related course	NONE	SEPTEMBER	3 Years	CDACC
Refrigeration And Air Conditioning Level 6	KCSE C- (Minus) And above or Level 5 Certificate in related course	NONE	SEPTEMBER	3 Years	CDACC
Mechanical Engineering Technology Production Level 5	KCSE D (Plain) And above or Level 4 Certificate in related course	NONE	SEPTEMBER	2 Years	CDACC
Welding And Fabrication Level 5	KCSE D(plain) And above or Welding And Fabrication level 4 certificate	NONE	SEPTEMBER	2 Years	CDACC
Refrigeration And Air Conditioning Level 5	KCSE D (Plain) And above or Certificate in Refrigeration and Air Conditioning Level 4	NONE	SEPTEMBER	2 Years	CDACC
Welding (Gas & Metal Arch welding) Level 4	Kenya Certificate of Secondary Education (KCSE) or Welding Level 3	NONE	SEPTEMBER	4 Terms	CDACC

2. AUTOMOTIVE ENGINEERING SECTION

COURSE	MINIMUM REQUIREMENTS	OTHER REQUIREMENTS	INTAKE	DURATION	EXAM BODY
Automotive Technician Level 6	KCSE C- (Minus) And above or Level 5 Certificate in related course	NONE	SEPTEMBER	3 Years	CDACC
Autobody Technology Level 6	KCSE C- (Minus) And above or Level 5 Certificate in related course & (Interviews)	NONE	MAY/ SEPT	3 Years	CDACC
Automotive Technician Level 5	KCSE D (Plain) And above or Level 4 Certificate in a related course	NONE	MAY/ SEPT	2 Years	CDACC
Automotive Technician Level 4	Kenya Certificate of Secondary Education (KCSE)	NONE	SEPTEMBER	4 terms	CDACC
Driving Course	KRA PIN and National ID	NONE	OPEN	1 Month	NTSA

3. AGRICULTURAL ENGINEERING SECTION

COURSE	MINIMUM REQUIREMENTS	OTHER REQUIREMENTS	INTAKE	DURATION	EXAM BODY
Agricultural Engineering Technician Level 6	KCSE C- (Minus) And above or Level 5 Certificate in related course with	NONE	SEPTEMBER	3 Years	CDACC
Agricultural Machinery and Equipment Mechanics Level 5	KCSE D (Plain) And above or Agricultural machinery and equipment Level 4 certificate	NONE	MAY/ SEPT	2 Years	CDACC
Agricultural Machinery and Equipment Level 4	KCSE Certificate or Agricultural machinery and equipment Level 3	NONE	MAY/ SEPT	4 Terms	CDACC

2. BUILDING AND CIVIL ENGINEERING DEPARTMENT

COURSE	MINIMUM REQUIREMENTS	OTHER REQUIREMENTS	INTAKE	DURATION	EXAM BODY
Civil Engineering Technology Level 6	KCSE C- (Minus) and above or Craft Level 5 certificate in Building and Civil Engineering Related Course	NONE	SEPTEMBER	3 Years	CDACC
Building Technology Level 6	KCSE C- (Minus) and above or Craft Level 5 Certificate in Building and Civil Engineering Related Course	NONE	SEPTEMBER	3 Years	CDACC
Architectural Technology Level 6	KCSE C- (Minus) and above or Craft Level 5 Certificate in Building and Civil Engineering Related Course	NONE	SEPTEMBER	3 Years	CDACC
Quantity Surveying Level 6	KCSE C- (Minus) and above or Craft Level 5 Certificate in Building and Civil Engineering Related Course	NONE	SEPTEMBER	3 Years	CDACC
Plumbing Level 5	KCSE D (Plain) and above or Pass in Plumbing Level 4	NONE	SEPTEMBER	2 Years	CDACC
Carpentry and Joinery Level 5	KCSE D (Plain) and above or Carpentry & Joinery Qualification Level 4	NONE	SEPTEMBER	2 Years	CDACC
Plumbing Level 4	KCSE D- (Minus) and above or Certificate in Plumbing Level 3	NONE	SEPTEMBER	4 Terms	CDACC
Building (Masonry) Technology Level 4	KCSE D- (Minus) and above or Pass in Building Artisan Level 3	NONE	SEPTEMBER	4 Terms	CDACC

3. ELECTRICAL ENGINEERING DEPARTMENT

COURSE	MINIMUM REQUIREMENTS	OTHER REQUIREMENTS	INTAKE	DURATION	EXAM BODY
Electrical Engineering (Power Option) Level 6	KCSE C- (Minus) and above or Pass in Level 5	MATHS C- (Minus) PHY/CHEM C- (Minus)	SEPTEMBER	9 Terms	CDACC
Telecommunication Engineering Level 6	KCSE C- (Minus) and above or Pass in Level 5	MATHS C- (Minus) PHY/CHEM C- (Minus)	SEPTEMBER	9 Terms	CDACC
Electrical Installation Level 5	KCSE D (Plain) and above or Pass in Level 4	MATHS D(Plain) PHY/CHEM D(Plain)	SEPTEMBER	7 Terms	CDACC
Electrical Installation Level 4	KCSE Certificate and above	NONE	SEPTEMBER	4 Terms	CDACC

4. INFORMATION COMMUNICATION AND TECHNOLOGY DEPARTMENT

COURSE	MINIMUM REQUIREMENTS	OTHER REQUIREMENTS	INTAKE	DURATION	EXAM BODY
Computer Science Level 6	KCSE C- (Minus) and above or Pass in Level 5	NONE	SEPTEMBER	3 Years	CDACC
Library and Information Science Level 6	KCSE C- (Minus) and above or Pass in Level 5	NONE	SEPTEMBER	3 Years	CDACC
ICT Technician Level 5	KCSE D (Plain) and above or Pass in Level 4	NONE	SEPTEMBER	2 Years	CDACC
Library and Information Science Level 5	KCSE D (Plain) and above or Pass in Level 4	NONE	SEPTEMBER	2 Years	CDACC

5. AGRICULTURE AND ENVIRONMENTAL STUDIES DEPARTMENT

COURSE	MINIMUM REQUIREMENTS	OTHER REQUIREMENTS	INTAKE	DURATION	EXAM BODY
Agricultural Extension Level 6	KCSE C- (Minus) and above Pass in Agricultural extension Level 5	NONE	SEPTEMBER	3 Years	CDACC
Sustainable Agriculture for Rural Development Level 6	KCSE C- (Minus) or Pass in Sustainable Agriculture for Rural Development Level 5	NONE	SEPTEMBER	3 Years	CDACC
Environmental Science Level 6	KCSE C- (Minus) or Pass in Environmental Science Level 5	NONE	SEPTEMBER	3 Years	CDACC
Sustainable Agriculture for Rural Development Level 5	KCSE D (Plain) or Pass in Sustainable Agriculture for Rural Development Level 4	NONE	SEPTEMBER	2 Years	CDACC
Agricultural Extension Level 4	KCSE Certificate and above	NONE	SEPTEMBER	1 Year	CDACC

6. LIBERAL STUDIES DEPARTMENT

COURSE	MINIMUM REQUIREMENTS	OTHER REQUIREMENTS	INTAKE	DURATION	EXAM BODY
Social Work and Community Development Level 6	KCSE C- (Minus) and above or Pass in Level 5	NONE	SEPTEMBER	3 Years	CDACC
Counselling Psychology Level 6	KCSE C- (Minus) and above or Pass in Level 5	NONE	SEPTEMBER	3 Years	CDACC
Child protection Level 6	KCSE C- (Minus) and above or Pass in Level 5	NONE	SEPTEMBER	3 Years	CDACC
Social Work and Community Development Level 5	KCSE D (Plain) and above or Pass in Level 4	NONE	SEPTEMBER	2 Years	CDACC
Child protection Level 5	KCSE D (Plain) and above or Pass in Level 4	NONE	SEPTEMBER	2 Years	CDACC

7. HEALTH SCIENCES DEPARTMENT

COURSE	MINIMUM REQUIREMENTS	OTHER REQUIREMENTS	INTAKE	DURATION	EXAM BODY
Food Technology Level 6	KCSE C- (Minus) or Pass in Food Technology Level 5	Any two (2) C- (Minus) MATH C- (Minus) ENG C- (Minus)	SEPTEMBER	3 Years	CDACC
Pharmaceutical Technology Level 6	KCSE C (Plain) and above	ENG/KISW C (Plain) MATH/PHYSICS C (Plain), CHEMISTRY C (Plain), BIOLOGY C (Plain)	SEPTEMBER	3 Years	CDACC
Food Production - Culinary Arts Level 6	KCSE C- (Minus) and above or Hotel Catering & Accommodation Level 5 or Pass in Food Production Level 5 or Food and Beverage Sales and Service Management Level 5	NONE	SEPTEMBER	3 Years	CDACC

Food and Beverage Sales and Management Level 6	KCSE C- (Minus) and above or Pass in Food and Beverage sales & Service management Level 5 or Hotel Catering & Accommodation Level 5	NONE	SEPTEMBER	3 Years	CDACC
Nutrition and Dietetics Level 6	KCSE C- (Minus) and above or Pass in Nutrition and Dietetics Level 5	BIOLOGY D+ (Plus) CHEMISTRY D+ (Plus) KISW D+ (Plus) HSC/AGR D (Plain) INDEXING (6,000)	SEPTEMBER	3 Years	CDACC
Housing Keeping and Accommodation Level 6	KCSE C- (Minus) and above or Pass in House Keeping & Accommodation Level 5 or Hotel catering and accommodation Level 5	NONE	SEPTEMBER	3 Years	CDACC
Housing Keeping and Accommodation Level 5	KCSE D (Plain) and above or Pass in Housing Keeping and Accommodation Level 4 or Pass in Hotel Catering & Accommodation Level 4	NONE	SEPTEMBER	2 Years	CDACC
Food and Beverage Sales and Service Management Level 5	KCSE D (Plain) and above or Pass in Food & Beverage sales and Service Level 4 or Pass in Hotel Catering & Accommodation Level 4	NONE	SEPTEMBER	2 Years	CDACC
Food Technology Level 5	KCSE D (Plain) and above or Pass in Artisan Level 4	NONE	SEPTEMBER	2 Years	CDACC
Food Production Culinary Arts Level 5	KCSE D (Plain) and above or Pass in Food production Level 4 or Food and Beverage Sales Level 4 or Pass in Hotel Catering & Accommodation Level 4	NONE	SEPTEMBER	2 Years	CDACC
Nutrition and Dietetics Level 5	KCSE D (Plain) and above	BIOLOGY D (Plain) CHEMISTRY D (Plain) ENG/KISW D (Plain)	SEPTEMBER	2 Years	CDACC

8. APPLIED SCIENCES DEPARTMENT

COURSE	MINIMUM REQUIREMENTS	OTHER REQUIREMENTS	INTAKE	DURATION	EXAM BODY
Applied Biology Level 6	KCSE C- (Minus) and above or Pass in Science Laboratory Technology Level 5	BIOLOGY C- (Minus) CHEMISTRY C- (Minus)	SEPTEMBER	3 Years	CDACC
Analytical Chemistry	KCSE C- (Minus) and above or Pass in Science Laboratory Technology Level 5	BIOLOGY C- (Minus) CHEMISTRY C- (Minus)	SEPTEMBER	3 Years	CDACC
Chemical Engineering Level 6	KCSE C- (Minus) and above	BIOLOGY C- (Minus) CHEMISTRY C- (Minus)	SEPTEMBER	3 Years	CDACC
Water Laboratory Technology Level 6	KCSE C- (Minus) and above	BIOLOGY C- (Minus) CHEMISTRY C- (Minus) PHYSICS C- (Minus)	SEPTEMBER	3 Years	CDACC
Science Laboratory Technology Level 6	KCSE C- (Minus) and above or Pass in Science Laboratory Technology Level 5	BIOLOGY C- (Minus) CHEMISTRY C- (Minus) PHYSICS C- (Minus)	SEPTEMBER	3 Years	CDACC
Science Laboratory Technology Level 5	KCSE D (Plain) and above	BIOLOGY D (Plain) CHEMISTRY D (Plain) PHYSICS D (Plain)	SEPTEMBER	2 Years	CDACC

9. BUSINESS STUDIES DEPARTMENT

COURSE	MINIMUM REQUIREMENTS	OTHER REQUIREMENTS	INTAKE	DURATION	EXAM BODY
Marketing Manager Level 6	KCSE C- (Minus) and above or Pass in Level 5	NONE	SEPTEMBER	3 Years	CDACC
Office Administrator Level 6	KCSE C- (Minus) and above or Pass in Level 5	NONE	SEPTEMBER	2 1/2 Years	CDACC
Supply Chain Manager Level 6	KCSE C- (Minus) and above or Pass in Level 5	NONE	SEPTEMBER	3 Years	CDACC
Project Manager Level 6	KCSE C- (Minus) and above or Pass in Level 5	NONE	SEPTEMBER	3 Years	CDACC
Human Resource Management Level 6	KCSE C- (Minus) and above or Pass in Level 5	NONE	SEPTEMBER	3 Years	CDACC
Business Manager Level 6	KCSE C- (Minus) and above or Pass in Level 5	NONE	SEPTEMBER	3 Years	CDACC
Business Manager Level 5	KCSE D (Plain) and above or KCSE Certificate	NONE	SEPTEMBER	1 1/2 Years	CDACC
Marketing Officer Level 5	KCSE D (Plain) and above or Pass in Level 4	NONE	SEPTEMBER	1 1/2 Years	CDACC
Human Resource Assistant Level 5	KCSE D (Plain) and above or Pass in Related Level 4 Course	NONE	SEPTEMBER	1 1/2 Years	CDACC
Supply Chain Manager Level 5	KCSE D (Plain) and above or Pass in Related Level 4 Course	NONE	SEPTEMBER	1 1/2 Years	CDACC
Office Administrator Level 5	KCSE D (Plain) and above or Pass in Office Assistance Level 4	NONE	SEPTEMBER	1 1/2 Years	CDACC
Office Assistance Level 4	KCSE D- (Minus) and below	NONE	SEPTEMBER	1 Year	CDACC
Accounting Technician Diploma (ATD)	KCSE C- (Minus) and above	NONE	SEPTEMBER	6 Months	KASNEB
Certificate Accounting and Management Skills	KCSE D (Plain) and above	NONE	SEPTEMBER	6 Months	KASNEB

10. OPEN DISTANCE AND VIRTUAL LEARNING DEPARTMENT

COURSE	MINIMUM REQUIREMENTS	OTHER REQUIREMENTS	INTAKE	DURATION	EXAM BODY
Business Management Level 6	KCSE C- (Minus) and above or Pass in Level 5	NONE	MAY/ SEPT	3 Years	CDACC
Project Management Level 6	KCSE C- (Minus) and above or Pass in Level 5	NONE	MAY/ SEPT	3 Years	CDACC
Supply Chain Management Level 6	KCSE C- (Minus) and above or Pass in Level 5	NONE	MAY/ SEPT	3 Years	CDACC
Human Resource Management Level 6	KCSE C- (Minus) and above or Pass in Level 5	NONE	MAY/ SEPT	3 Years	CDACC
Marketing Management Level 6	KCSE C- (Minus) and above or Pass in Level 5	NONE	MAY/ SEPT	3 Years	CDACC
Social Work Level 6	KCSE C- (Minus) and above or Pass in Level 5	NONE	MAY/ SEPT	3 Years	CDACC
Counselling Level 6	KCSE C- (Minus) and above or Pass in Level 5	NONE	MAY/ SEPT	3 Years	CDACC
Child protection Level 6	KCSE C- (Minus) and above or Pass in Level 5	NONE	MAY/ SEPT	3 Years	CDACC
Computer Science Level 6	KCSE C- (Minus) and above or Pass in Level 5	NONE	MAY/ SEPT	3 Years	CDACC
Library and Information Science Level 6	KCSE C- (Minus) and above or Pass in Level 5	NONE	MAY/ SEPT	3 Years	CDACC
Marketing Office Level 5	KCSE D (Plain) and above or Pass in Level 4	NONE	MAY/ SEPT	1 1/2 Years	CDACC
Human Resource Assistant Level 5	KCSE D (Plain) and above or Pass in Level 4	NONE	MAY/ SEPT	1 1/2 Years	CDACC
Supply Chain Manager Level 5	KCSE D (Plain) and above or Pass in Related Level 4 Course	NONE	MAY/ SEPT	1 1/2 Years	CDACC
Office Administration Level 5	KCSE D (Plain) and above or Pass in Office Assistance Level 4	NONE	MAY/ SEPT	1 1/2 Years	CDACC
Business Management Level 5	KCSE D (Plain) and above or Pass in Related Level 4 Course	NONE	MAY/ SEPT	1 1/2 Years	CDACC
Social Work Level 5	KCSE D (Plain) and above or Pass in Related Level 4 Course	NONE	MAY/ SEPT	3 Years	CDACC
Child protection Level 5	KCSE D (Plain) and above or Pass in Related Level 4 Course	NONE	MAY/ SEPT	2 Years	CDACC

B. SHORT COURSES STARTING APRIL 2024

1. MECHANICAL ENGINEERING

S/NO	COURSE NAME	REQUIREMENTS	INTAKE	MODE OF LEARNING	DURATION	EXAM BODY
1	Light Vehicle Mechanic GRADE III	OPEN	April/August/December	April/August/December Weekends and Evening Classes	3 Months	NITA
2	Vehicle Body Builder GRADE III	OPEN	April/August/December	April/August/December Weekends and Evening Classes	3 Months	NITA
3	Plant Mechanic GRADE III	OPEN	April/August/December	April/August/December Weekends and Evening Classes	3 Months	NITA
4	Spray Painter GRADE III	OPEN	April/August/December	April/August/December Weekends and Evening Classes	3 Months	NITA
5	Motor Vehicle Electrician GRADE III	OPEN	April/August/December	April/August/December Weekends and Evening Classes	3 Months	NITA
6	Arc Welding GRADE III	OPEN	April/August/December	April/August/December Weekends and Evening Classes	3 Months	NITA
7	Gas Welder GRADE III	OPEN	April/August/December	April/August/December Weekends and Evening Classes	3 Months	NITA
8	General fitter GRADE III	OPEN	April/August/December	April/August/December Weekends and Evening Classes	3 Months	NITA
9	Sheet metal GRADE III	OPEN	April/August/December	April/August/December Weekends and Evening Classes	3 Months	NITA
10	Turner Machinist GRADE III	OPEN	April/August/December	April/August/December Weekends and Evening Classes	3 Months	NITA
11	Refrigeration and Air Conditioning GRADE III	OPEN	April/August/December	April/August/December Weekends and Evening Classes	3 Months	NITA
12	Automotive Technician Level 5	KCSE D (Plain) And above or Level 4 Certificate in a related course	April/August/December	April/August/December Weekends and Evening Classes	2 Years	CDACC

13	Automotive Technician Level 4	Kenya Certificate of Secondary Education (KCSE)	April/August/December	April/August/December Weekends and Evening Classes	1 Year	CDACC
14	Refrigeration And Air Conditioning Craft Man Level 5	KCSE D (Plain) And above or Certificate in Refrigeration and Air Conditioning Level 4	April/August/December	April/August/December Weekends and Evening Classes	2 Years	CDACC
15	Welding And Fabrication Level 4	Kenya Certificate of Secondary Education (KCSE) Or Welding Level 3	April/August/December	April/August/December Weekends and Evening Classes	1 Year	CDACC
16	Solid Works	Students pursuing Engineering courses	April/August/December	April/August/December Weekends and Evening Classes	1 Month	
17	AutoCAD	Students pursuing Engineering courses	April/August/December	April/August/December Weekends and Evening Classes	1 Month	
18	Driving	KRA pin and National ID	April/August/December	Part-Time	1 Month	NTSA

1. APPLIED SCIENCES DEPARTMENT

S/N	COURSE NAME	MINIMUM REQUIREMENT	MINIMUM REQUIREMENTS	MODE OF LEARNING	DURATION	EXAM BODY
19	Analytical chemistry Level 6	C- or Pass in Any Relevant Course	April/August & December	Holiday/Weekends & Evenings	3 Years	CDACC
20	Applied Biology Level 6	C- or Pass in Any Relevant Course	April/August & December	Holiday/weekends & Evenings	3 Years	CDACC
21	Science Laboratory Technician Level 6	C- or Pass in any Relevant Course	April/August & December	Holiday/weekends & Evenings	3 Years	CDACC
22	Science Laboratory Technician Level 5	D (Plain) and above	April/August & December	Holiday/weekends & Evenings	2 Years	CDACC

2. ELECTRICAL & ELECTRONICS ENGINEERING DEPARTMENT

S/N	COURSE NAME	LEVEL	MINIMUM REQUIREMENTS	DURATION	INTAKE	EXAM BODY
23	Motor Rewinding	Certificate	KCPE or equivalent	3 months	April, August	NITA
24	Electrical wireman	Grade III	KCPE/KCSE	3 months	April, August	NITA
25	Electrical wireman	Grade II	Pass in grade III	3 months	April, August	NITA
26	Electrical wireman	Grade I	Pass in grade II	3 months	April, August	NITA
27	Solar technology T1&2	open	KCSE or equivalent	1 month	April, August	NITA
28	Solar technology T3	open	Pass in T2	1 month	April, August	NITA

3. BUILDING AND CIVIL ENGINEERING DEPARTMENT

S/NO
