



# THE TECHNICAL UNIVERSITY OF KENYA

EDUCATION AND TRAINING FOR THE REAL WORLD  
CENTRE FOR OPEN AND LIFELONG EDUCATION



## SHORT COURSES PROGRAMMES

FOR THE

2024/2025 ACADEMIC YEAR

STARTING SEPTEMBER 2024

PROGRAMME	DURATION	FEES (KSHS)	REQUIREMENTS/TARGET
<b>FACULTY OF APPLIED AND SCIENCE AND TECHNOLOGY</b>			
<b>SCHOOL OF CHEMISTRY AND MATERIAL SCIENCE</b>			
Quality Control and Quality Assurance	1 Month	23,000	Professionals in chemical industry and allied fields and students
Training in Water Quality Testing	1 Month	53,000	Quality professionals, students intending to work in water quality sector.
Course in Applied Computational Chemistry	3 Months	13,000	Chemistry students and professionals
Training in Chemical Safety And Security	2 Weeks	43,000	professionals in chemical industry and allied fields and students
Training in Chemical Risk Assessment	2 Weeks	43,000	professionals in chemical industry and allied fields and students
Industrial and Laboratory Chemical Waste Management	1 Week	13000	professionals in chemical industry and allied fields and students
Course In Good Laboratory Practices	2 Weeks	13,000	professionals in chemical industry and allied fields and students
Course in Good Manufacturing Practices	2 Weeks	23,000	professionals in chemical industry and allied fields and students
Sanitizers Production Course	5 Days	8,000	General public
Liquid Detergents Production Course	5 Days	8,000	General public
Training In Spectroscopic Methods Of Analysis(Atomic Absorption Spectrophotometry, UV-Vis, Fourier Transform Infrared Spectroscopy Training, Polarimetry)	1 Month	13,000	Professionals in quality management, environmental assessments, manufacturing, regulatory compliance, academic researchers, laboratory technicians and students
Training in Separation Technique (Gas Chromatography and High Performance Liquid Chromatography Training HPLC)	1 Month	13,000	Professionals in quality management, environmental assessments, manufacturing, regulatory compliance, academic researchers, laboratory technicians and students
Laboratory Technician Training (Laboratory Safety and Reagents Preparation)	1 Month	13,000	Students and Laboratory Technicians in Secondary Schools and Technical Training Institutes
<b>SCHOOL OF COMPUTING AND INFORMATION TECHNOLOGIES</b>			
Certificate in Basics of Artificial Intelligence and Machine Learning	10 Weeks (2 hrs Per Week)	28,000	Beginner with no prior experience in AI or ML.
Certificate in Android Mobile Application Development	10 Weeks (2 hrs Per Week)	33,000	Individuals with basic programming experience (e.g. Familiarity with Java syntax) and an interest in mobile app development.
Certificate in Data Science and Data Analytics	10 Weeks (2 hrs Per Week)	28,000	Beginner with no prior experience in data science or data analytics, but with some basic computer literacy.
Certificate in Iot [Internet of Things]	2 Months	23,000	Beginner with no prior experience in IoT, but with basic computer literacy
Certificate in Web Development Using Javascript	5 Weeks	33,000	Beginner with no prior coding experience
<b>SCHOOL OF HEALTH AND BIOMEDICAL SCIENCES</b>			
Certificate in Community Management of Acute Malnutrition (CMAM)	1 Week	18,000	Community Health Promoters(CHPs) in the Counties; University and College Students studying Nutrition and Health related fields such as Community Health Nurses, Public Health Officers and Social workers amongst others.
Certificate in Occupational Health and Safety(OHS)	3 Weeks	48,000	Professionals who are concerned with the prevention of workplace illnesses and injuries, including health-care providers, public health workers, union representatives, labor inspectors, environmental health officers, managers in ministries of labor and health and others
Certificate in Obesity and Weight Management for Nutritionist/ Dieticians and Health Professionals	1 Week	18,000	Nutritionists, Nutrition students, Health professionals

PROGRAMME	DURATION	FEES (KSHS)	REQUIREMENTS/TARGET
Certificate in Proposal Writing, Fund-Raising and Professional Report Writing	1 Week	18,000	Program/Project Directors, Program/Project Coordinators, Program/Project Managers, Financial Managers/Officers, Grant Managers, & Officers, Scholars & Researchers, those working in the development sector that have not had formal training in Project Proposal Writing/Fund Raising, students
Certificate in Referencing or Masters and PHD Students	1 Week	13,000	Post-Graduate Students
Certificate in Starting a Dietetic/ Nutrition Practice	1 Week	13,000	Nutritionists, Nutrition students, Health professionals
Certificate in Diabetes Management for Dieticians/Nutritionists and Health Professionals	1 Week	13,000	Nutritionists, Nutrition students, Health professionals
Certificate in Sports Nutrition	2 Weeks	18,000	Athletes, Gym Trainers, Practising Nutritionists
<b>SCHOOL OF PHYSICS AND EARTH SCIENCES</b>			
Certificate in Biomass For Renewable Energy Production	2 Weeks	38,000	Postgraduate Degree, Degree or Diploma students specializing in Biosystems and Environmental Engineering, Chemical Engineering, Civil Engineering, Analytical Chemistry, Renewable Energy, Environmental Resource Management and related course; Government and NGO professionals in the energy sector.
Certificate in Computing Science and Technology	1 Week	33,000	Degree or Postgraduate degree specializing in physics, mathematics, computer science, electrical engineering
<b>FACULTY OF ENGINEERING AND THE BUILT ENVIRONMENT</b>			
<b>SCHOOL OF ELECTRICAL AND ELECTRONIC ENGINEERING</b>			
Certificate in Computer Networks	6 Months	64,000	Engineering college students and form four leavers
Certificate in Computer Repair And Maintenance	6 Months	64,000	Engineering college students and form four leavers
Certificate in Electrical Installation Technician I Domestic/Residential Wiring)	1 month	38,000	Form four with C- and D+, Artisan in Electrical and NITA Grade 1 Certificate
Certificate in Electrical Installation Technician II (Commercial Buildings Wiring)	1 month	38,000	Has got Technician I Certificate
Certificate in Electrical Installation Technician III (Industrial Wiring)	1 month	38,000	Has got Technician II Certificate
Certificate in Industrial Automation Using PLCs	3 Weeks	33,000	Certificate in Electrical or Mechanical Engineering
Certificate in Motor Rewinding	1 month	63,000	Any Electrical Engineering certificate
Certificate in Solar PV T1 And T2	2 weeks	33,000	Holder of certificate in Electrical Engineering-power
Certificate In Solar PV T3	2 weeks	33,000	Has certificate in Solar PV T2
<b>SCHOOL OF MECHANICAL AND MANUFACTURING ENGINEERING</b>			
Certificate in Additive Manufacturing	2 Weeks	33,000	Participants interested in pursuing a career in 3D printing technology.
Certificate in Auto-Cad Modelling And Drafting	2 Weeks	33,000	Participants who want their career development in Computer Aided Drafting using AutoCad
Certificate in Basic Hydraulics (Introductory Course)	2 Weeks	53,000	Participants with a basic engineering background who want their career development in the design, control and operation of hydraulic systems.
Certificate in Boiler Operator	1 Month	53,000	Artisans, technicians & Engineers in the Mechanical, Mechatronic or other related Engineering fields who want to gain skills in boiler operations
Certificate in CNC Lathe Operations	2 Weeks	43,000	Engineering college students, artisans, technicians & Engineers who want to gain knowledge in CNC Lathe. Must have knowledge and skills in conventional lathe machine operation and basic computer operation



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Certificate in CNC Milling Operations	2 Weeks	43,000	Engineering college students, artisans, technicians & Engineers who want to gain knowledge in CNC Milling. Must have knowledge and skills in conventional milling machine operation and basic computer operations
Certificate in Conventional Lathe Machining	2 Weeks	33,000	Artisans, technicians & Engineers who want to gain knowledge in conventional lathe operations
Certificate in Conventional Milling	2 Weeks	33,000	Artisans, technicians & Engineers who want to gain knowledge in conventional milling operations.
Certificate In HVAC Operator	1 Month	83,000	Participants with a Mechanical, Mechatronics or related Engineering background who want to specialize in installation, troubleshooting and repair of HVAC systems
Certificate in Manual Metal Arc Welding (MMA)	2 Weeks	33,000	Form four leavers, college students, artisans, technicians & Engineers who want to gain skills to perform MMA welding work to the standard expected in the workplace.
Certificate in Metal - Inert Gas Welding (MIG)	2 Weeks	43,000	Form four leavers, college students, artisans, technicians & Engineers who to gain skills to perform MIG welding to the standard expected in the workplace.
Certificate in Oxy-Acetylene Gas Welding	2 Weeks	33,000	Form four leavers, college students, artisans, technicians & Engineers who want to gain skills to perform oxy-acetylene welding work to the standard expected in the workplace.
Certificate in Refrigeration System Operator	1 Month	53,000	Participants with a Mechanical, Mechatronics or related Engineering background who want to specialize in installation, troubleshooting and repair of Refrigeration systems
Certificate in Solidworks Modelling And Drafting	2 Weeks	33,000	Participants who want their career development in Computer Aided Design using SolidWorks®
Certificate in Tungsten Inert Gas Welding	2 Weeks	43,000	Form four leavers, college students, artisans, technicians & Engineers who want to gain skills to perform TIG welding to the standard expected in the workplace.
<b>FACULTY OF SOCIAL SCIENCES AND TECHNOLOGY (FSST)</b>			
<b>SCHOOL OF BUSINESS AND MANAGEMENT STUDIES</b>			
Certificate In Sustainability Entrepreneurship	4 months	34,000	Business managers, CEO's and sustainability champions
Certificate In Business Information Technology (CIT)I&II	4 months	29,000	Fleet and Logistics Managers
Certificate In Fleet Management	2 Semesters	29,000	Business managers, executives, and sustainability champions
<b>KASNEB COURSES</b>			
Accounting Technicians Diploma (ATD) course Level 1	4 months	24,000	The minimum entry for the diploma courses is KCSE mean grade C-. Persons with certificate and other higher qualifications from recognized institutions are also eligible for entry.
Diploma in Data Management and Analytics (DDMA) Level 1, 2 and 3	4 months	24,000	The minimum entry for the diploma courses is KCSE mean grade C-. Persons with certificate and other higher qualifications from recognized institutions are also eligible for entry.
Diploma in Computer Networks and Systems Administration (DCNSA) Level 1, 2 and 3	4 months	24,000	Persons who wish to qualify and work or practice as professional accountants, auditors, finance managers, tax managers and consultants in related areas in both public and private sectors
Certified Public Accountants (CPA) - Foundational Level	4 months	24,000	Persons who wish to qualify and work or practice as professional accountants, auditors, finance managers, tax managers and consultants in related areas in both public and private sectors
Certified Public Accountants (CPA) - Intermediate Level	4 months	24,000	Persons who wish to qualify and work or practice as professional accountants, auditors, finance managers, tax managers and consultants in related areas in both public and private sectors
Certified Public Accountants (CPA) - Advanced Level	4 months	24,000	Persons who wish to qualify and work or practice as corporate secretaries, policy formulators and consultants in governance, governance and compliance auditors and administrators at county and national levels and in the private sector

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Certified Secretaries (CS) course - Foundational Level	4 months	24,000	Persons who wish to qualify and work or practice as corporate secretaries, policy formulators and consultants in governance, governance and compliance auditors and administrators at county and national levels and in the private sector
Certified Secretaries (CS) course - Intermediate Level	4 months	24,000	Persons who wish to qualify and work or practice as corporate secretaries, policy formulators and consultants in governance, governance and compliance auditors and administrators at county and national levels and in the private sector
Certified Secretaries (CS) course - Advanced Level	4 months	26,000	Persons who wish to qualify and work or practice as corporate secretaries, policy formulators and consultants in governance, governance and compliance auditors and administrators at county and national levels and in the private sector
Certified Investment and Financial Analysts (CIFA) course - Foundational Level	4 months	24,000	The minimum entry for the professional courses is KCSE mean grade C+. The course is aimed at persons who wish to qualify and work or practice as investment, securities and financial analysts, portfolio managers, investment bankers, fund managers, consultants on national and global financial markets and related areas.
Certified Investment and Financial Analysts (CIFA) course - Intermediate Level	4 months	24,000	The minimum entry for the professional courses is KCSE mean grade C+. The course is aimed at persons who wish to qualify and work or practice as investment, securities and financial analysts, portfolio managers, investment bankers, fund managers, consultants on national and global financial markets and related areas.
Certified Investment and Financial Analysts (CIFA) course - Advanced Level	4 months	26,000	The minimum entry for the professional courses is KCSE mean grade C+. The course is aimed at persons who wish to qualify and work or practice as investment, securities and financial analysts, portfolio managers, investment bankers, fund managers, consultants on national and global financial markets and related areas.
Certified Credit Professionals (CCP) course - Foundational Level	4 months	24,000	The minimum entry for the professional courses is KCSE mean grade C+. The course is aimed at persons who wish to qualify and work or practice in various fields of credit management including credit analysis, debt management and recovery, corporate lending and related areas in both formal and informal sectors.
Certified Credit Professionals (CCP) course - Intermediate Level	4 months	24,000	The minimum entry for the professional courses is KCSE mean grade C+. The course is aimed at persons who wish to qualify and work or practice in various fields of credit management including credit analysis, debt management and recovery, corporate lending and related areas in both formal and informal sectors.
Certified Credit Professionals (CCP) course - Advanced Level	4 months	26,000	The minimum entry for the professional courses is KCSE mean grade C+. The course is aimed at persons who wish to qualify and work or practice in various fields of credit management including credit analysis, debt management and recovery, corporate lending and related areas in both formal and informal sectors.
<b>SCHOOL OF HOSPITALITY AND HUMAN ECOLOGY</b>			
Advanced Certificate In Drug And Substance Abuse Rehabilitation	3 Weeks	33,000	Practicing tour guides with tour and travel firms; Community tour guides, Naturalists in game lodges; and new entrants to the field of tour guiding
Certificate In Fundraising And Grant Writing	2 Weeks	23,000	Counsellors in rehabilitation centers and professionals in health and wellness
Certificate In Stress Management	2 Weeks	28,000	Middle senior level management, consulting professionals, and business people in time limited and demanding schedules
Certificate In Basic Food And Beverage Service	2 Weeks	23,000	Employee in the informal sector or anyone interested in pursuing a career in professional and profitable bar tending and operation
Certificate In Basic Food Production Techniques	2 Weeks	33,000	Employees in the informal sector or anyone interested in pursuing a career profitable commercial food production, presentation and sale
Certificate In Basic Mixology (An Introduction)	2 Weeks	23,000	Employee in the informal sector or anyone interested in pursuing a career in professional and profitable bar tending and operation

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Certificate In Basic Tour Guiding (Refresher Course)	2 Weeks	33,000	Employee in the informal sector or anyone interested in pursuing a career in food and beverage sales and service
Certificate In Garment Construction Techniques	1 Month	23,000	Open
Certificate In Nail Art	1 Week	23,000	Administrators of public institutions and Non-Governmental Organizations, Researchers/Scientists, Politicians and Religious Leaders
Certificate In Natural Hair Designs	1 Month	23,000	Open
Certificate In Soft Furnishing	1 Month	23,000	Open
<b>SCHOOL OF INFORMATION AND SOCIAL SCIENCES</b>			
Certificate In Cybersecurity	3 Months	74,000	Kenya Certificate of Secondary Education (or equivalent examination) certificate with a minimum aggregate of D+
Certificate In Digital Library Management	3 Months	54,000	Kenya Certificate of Secondary Education (or equivalent examination) certificate with a minimum aggregate of D+
Certificate In Knowledge Management	3 Months	54,000	Kenya Certificate of Secondary Education (or equivalent examination) certificate with a minimum aggregate of D+
Certificate In Records And Archives Management	3 Months	54,000	Kenya Certificate of Secondary Education (or equivalent examination) certificate with a minimum aggregate of D+
Certificate In Web Application Development	3 Months	74,000	Kenya Certificate of Secondary Education (or equivalent examination) certificate with a minimum aggregate of D+
<b>SEMINARS AND WORKSHOPS</b>			
Library Science	1 Week	28,000	Librarians, Information specialist and individuals who may want to enrich their understanding in the specific areas
Archives and Records Management	1 Week	28,000	Archivists, Records offices , Information specialist and individuals who may want to enrich their understanding in the specific areas
<b>CENTRE FOR LANGUAGE AND COMMUNICATION STUDIES</b>			
Certificate In English For General Purposes: Proficiency In English (Level C2)	6 months (5 modules)	94,000	i KCSE candidates with a mean grade of D+ and D or above in Mathematics and English, ii KCSE mean grade D with Proficiency Certificate in Computer Application Packages, iii Any qualifications recognized and accepted by The Technical University senate.
Certificate In Creative Writing	4 months (1 compulsory module, 5 other modules and 1 workshop)	Students: 54,000; Others: 69,000	KCSE D+ Certificate (or equivalent qualification). The Creative Writing course is intended for learners who wish to develop and enhance knowledge and skills in writing fiction and non-fiction genres in English.
Certificate In English For Academic Purposes	2-3 weeks per module	Students: 10,000; Others: 13,000	KCSE D+ Certificate (or equivalent qualification). English for Academic Purposes comprises needs-based independent modules intended for learners who are in pursuit of tertiary education, or persons whose personal and professional aspirations require that they develop specific skills in the use of English for academic purposes.
Certificate In English For General Purposes: Advanced Level English (Level C1)	4 months (5 modules)	74,000	KCSE D+ Certificate (or equivalent qualification) and assessment for placement at advanced level. The course is intended for adult learners for whom English is a foreign language, and who would like to move from upper intermediate to advanced level.
Certificate In English For General Purposes: Communicative Competence	3 months (5 modules)	54,000	KCSE D+ Certificate (or equivalent qualification). The course is intended for adult learners for whom English is a Second Language, or learners who are proficient users of English as a Foreign language, who would like to improve their communicative competence in the language.
Certificate In English For General Purposes: Elementary Level English (Level A2)	3 months (5 modules)	54,000	KCSE D+ Certificate (or equivalent qualification) and assessment for placement at elementary level. The course is intended for adult learners for whom English is a foreign language, and who would like to advance from beginner to elementary level.

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Certificate In English For General Purposes: English For Beginners (Level A1)	3 months (5-6 modules)	59,000	KCSE D+ Certificate (or equivalent qualification) and assessment for placement at beginner level. the module alea 1121: the alphabetic principle is a pre-requisite for those learners who are at beginner level, but are not familiar with the roman alphabet.
Certificate In English For General Purposes: Intermediate Level English (Level B1)	4 months (5 modules)	74,000	KCSE D+ Certificate (or equivalent qualification) and assessment for placement at intermediate level. the course is intended for adult learners for whom English is a foreign language, and who would like to advance from elementary to intermediate level.
Certificate In English For General Purposes: Upper-Intermediate Level English (Level B2)	4 months (5 modules)	74,000	KCSE D+ Certificate (or equivalent qualification) and assessment for placement at upper intermediate level. The course is intended for adult learners for whom English is a foreign language, and who would like to advance from intermediate 1 to upper intermediate level English
Certificate In English For Occupational Purposes	2-3 weeks per module	13,000	KCSE D+ Certificate (or equivalent qualification). English for occupational purposes comprises needs-based independent modules, intended for English language users who require targeted English language skills to address identified language needs in specific occupations.

