



THE TECHNICAL UNIVERSITY OF KENYA

SHORT COURSES AND UPGRADING COURSES

RUNNING BETWEEN JUNE AND SEPTEMBER 2016

The Technical University of Kenya (TU-K) is committed to enabling professionals and KCSE graduates build on their career of choice. Applicants are therefore invited from industry practitioners to short courses, and KCSE graduates, so as to upgrade their scores to enable them join the competitive TU-K Diploma programmes. **Short courses and upgrading courses will run from 15th June to 10th September 2016.**

COURSE TITLE	REQUIREMENTS/TARGET PARTICIPANTS	DURATION/FEEES	COURSE TITLE	REQUIREMENTS/TARGET PARTICIPANTS	DURATION/FEEES
AutoCad Modelling & Drafting COURSE OBJECTIVE: At the end of course the trainee will have acquired skills in Modelling and Drafting using AUTOCAD software	For participants who want their career development in Computer Aided Drafting using AutoCAD	3 weeks Tuition Fees:12,000/-	Upgrading in Physics	At least C- (Minus) in KCSE and D+ in Physics	3 Months Tuition Kshs 35,000
Autodesk Inventor Modelling COURSE OBJECTIVE: At the end of course the trainee will have acquired skills in Modelling and Drafting using AUTODESK INVENTOR software	For participants who want their career development in Computer Aided Design using Autodesk Inventor		Upgrading in Chemistry	At least C- (Minus) in KCSE and D+ in Chemistry	
SolidWorks Modelling & Drafting COURSE OBJECTIVE: At the end of course the trainee will have acquired skills in Modelling and Drafting using SolidWorks software	For participants who want their career development in Computer Aided Design using SolidWorks	3 weeks Tuition Fees:12,000/-	Upgrading in Biology	At least C- (Minus) in KCSE and D+ in Biology	
Programming & Operation of CNC Lathe Machine COURSE OBJECTIVE: At the end of this course the trainee will have acquired skills in operate a CNC Lathe Machine	For participants who want their career development in CNC Lathe Machine operations	3 months Tuition Fees:54,000/-	Chemical Safety and Security in Chemistry Labs	Chemistry Technical Staff from Industry and Academia	One week Tuition KShs 25,000
Programming & Operation of CNC Milling Machine COURSE OBJECTIVE: At the end of this course the trainee will have acquired skills in operate a CNC Milling Machine	For participants who want their career development in CNC Milling Machine operations		Production of Liquid Detergents and Toiletries	Entrepreneurs and Students	One week Tuition KShs 35,000
Certificate in Lathe Machine Operations COURSE OBJECTIVE: At the end of this course the participant will have acquired skills to operate conventional lathe machine and get the knowledge about all kinds of operations which can be performed on the lathe machine	For non-Technical participants who want their career development in the operation of the lathe machine	3 Months Tuition Fees: 36,000/-	Water Quality management and Monitoring	Professionals in the Water Sector	One week Tuition KShs 35,000
Certificate in Milling Machine Operations COURSE OBJECTIVE: At the end of this course the participant will have acquired skills to operate conventional milling machine and get the knowledge about all kinds of operations which can be performed on the milling machine	For non-Technical participants who want their career development in the operation of the milling machine		Quality management systems and Internal quality audit	Professionals in Quality Management	One week Tuition Kshs 40,000
Certificate in Grinding Machine Operations COURSE OBJECTIVE: At the end of this course the participant will have acquired skills to operate conventional grinding machine and get the knowledge about all kinds of operations which can be performed on the grinding machine	For non-Technical participants who want their career development in the operation of the grinding machine	3 Months Tuition Fees: 36,000/-	Basic instrumental methods of analysis. (UV-VIS, FTIR and AAS)	Technical Staff	One week Tuition Kshs 40,000
Certificate in Tool Design and CAD/CAM COURSE OBJECTIVE: At the end of this course the participant will be able to develop various skills in Tool Design and handling Manufacturing projects using CAD/CAM	Holders of a Diploma/Degree in Mechanical Engineering or its equivalent related field with Programming & Operation of CNC Milling Machine	3 Months Tuition Fees:54,000/-	Chemical Inventory Management Systems (CIMS)	Laboratory Technical Staff	
Certificate in Computer Aided Engineering COURSE OBJECTIVE: At the end of this course participant will have acquired knowledge to work in area of CAE	Holders of a Diploma/Degree in Mechanical Engineering or its equivalent related field		Good Manufacturing Practice	Industry and Academic Staff	
Certificate in Computer Aided Manufacturing COURSE OBJECTIVE: After completion of this course the participant will have acquired the ability to perform and manage operations in the area of CAD/CAM.	Holders of a Diploma/Degree in Mechanical Engineering or its equivalent related field with Programming & Operation of CNC Milling Machine		Water Quality Assessment	Background in Water management or Environmental science	One month Tuition Kshs 80,000
Certificate in CNC Machine Maintenance COURSE OBJECTIVE: To impart and develop skilled manpower to meet the needs of maintenance personnel in CNC machine maintenance	Holders of a Diploma/Degree in Mechanical Engineering or its equivalent related field		Gender and Community in Water Management	Knowledge of management of water resources and water services.	One month Tuition Kshs 60,000
Certificate in Reverse Engineering & Rapid Prototyping COURSE OBJECTIVE: At the end of this course, participant will have acquired skills in Reverse Engineering processes and apply 'Hands-on' training in Rapid Prototyping	Holders of a Diploma/Degree in Mechanical Engineering or its equivalent related field		Mobile Application Developer with IBM Worklight Platform Course Objective: Develop a mobile application to run on an Android or iOS platform by using the IBM Worklight Platform hybrid coding approach	At least KCSE	One month Tuition Kshs 10,000
Certificate in Programmable Logic Controllers COURSE OBJECTIVE: In this course the participant will be able perform operations using PLCs independently	For participants with an engineering background who want their career development in the operation and maintenance of machines using PLCs	3 Months Tuition Fees: 36,000/-	IT Essentials	At least KCSE	2 Months Tuition 20,000/-
Course: T1 Solar PV Technician Course Objective: To equip the trainees with all-inclusive knowledge on small size PV systems and hands on training in the design of optimized PV stand-alone systems.	Prerequisite: Holder of Certificate and Diploma holders in Electrical or Electronics Engineering	Three weeks tuition Ksh 20000	CCNA 1	At least KCSE	2 Months Tuition Kshs 10,000
Course: T2 Solar PV Technician Course Objective: To equip the trainees with all-inclusive knowledge on medium size PV systems i.e. multiple modules of up to 300 Wp or multiple batteries with inclusion of inverters	Prerequisite: Holder of T1 Solar Solar PV Certificate	Three weeks tuition Ksh 25000	CCNA 2	CCNA 1	
Upgrading in Mathematics	At least C-(Minus) in KCSE and D+ in Mathematics	3 Months Tuition Kshs 35,000	CCNA 3	CCNA 2	
			CCNA 4	CCNA 3	
			Solid Waste management	Practitioners in waste handling, urban planning, designing solid waste systems, infrastructure development and environmental management.	Three weeks Tuition Kshs 80,000
			Urban Flood Management and Disaster Risk Mitigation	Professionals in water sector	Three weeks Tuition Kshs 80,000
			Water Harvesting technology for sustainable agricultural practices	Officers in agriculture sector, food security NGOs, Agriculture organizations	Two weeks Tuition Kshs 60,000
			Urban water systems, drainage and treatment	Professionals in water sector	Three weeks Tuition Kshs 80,000
			River basin conflict management	Water resource managers at local and national levels, decision makers, NGOs	Two weeks Tuition Kshs 60,000
			Managing water resources in the face of climate change	Professionals with background in engineering, science, arts and working in water sector	Three weeks Tuition Kshs 80,000
			Public Relations and Communication Skills Development Seminar	Public Relations Officer, Sales Staff, Front Office Staff	5Days, Kshs. 35,000
			Salesmanship Skills Development Seminar		
			Customer Care		
			Supervisory Skills Development Seminar	Senior and Middle Level Managers	5 Days, Kshs. 35,000
			Leadership & Management Skills Development Seminar	Senior and Middle Level Managers	5 Days, 35, 000
			Performance Management and Contracting Seminar	Senior and Middle Level Managers	5 Days, Kshs. 35,000
			Report Writing	Public Relations Officers, Sales Staff, Senior and Middle Level Managers	5 DAYS, Kshs. 35,000
			Customer Experience Management	Marketing Professionals and Front Office Staff	2 DAYS, Kshs. 20,000
			Strategic Thinking and Execution For Growth	Chief Executive Officers, Senior Managers, Business Level Managers	5 DAYS, Kshs. 35,000
			Strategic Marketing	Marketers, Business Level Executives	5 DAYS, Kshs. 35,000
			Driving Sales Force Performance	Marketing & Sales Managers	5 DAYS, Kshs. 35,000
			Corporate Governance	Business Mangers	5 DAYS, Kshs. 35,000
			Certificate In Sales and Marketing	KCSE D plus and Above	3 Months, Kshs. 29,000
			Certificate In Business Studies	KCSE D plus and Above	3 Months, Kshs. 29,000
			HIV/ AIDS Counselling	At least KCSE Certificate	One month Tuition Kshs 18,000
			Art Entrepreneurship	Holders of KCSE and experience in business	4 Months Tuition Kshs 36,000
			Basic Choral Training and Musicianship	At least KCSE Certificate	
			Live event production short course	Industry practitioners	2 Months Tuition Kshs 44,000

COURSE TITLE	REQUIREMENTS/TARGET PARTICIPANTS	DURATION/FEEES
Drug and Substance abuse Stress Management Pre-marital Counselling Loss and Grief Counselling Basic Counselling Skills	At least KCSE Certificate	One month Tuition Kshs 18,000
Game Design and Development Learning Outcomes: 1. Develop a wireframe for an interactive game 2. Create art assets 3. Generate code 4. Assemble elements	<i>This course is ideal personal game development for hobbyists and enthusiasts. On completion the candidate will be able to develop a wireframe for an interactive game, create art assets, generate code and assemble elements for the interactive game</i> <i>Applicants should ideally have successfully completed KCSE, or had a high grade pass at KCPE with IT and/ or Art, or had a similar qualification or level of experience.</i>	4 weeks, Tuition Fees: Kshs. 16,000.00
Geographical Information Systems (GIS) and Remote Sensing (RS) Applications in Water Resources Management	Geoscientists, Water Resources Engineers and Scientists, Hydrologists, Civil Engineers, Environmental Scientists and Engineers	One week Tuition Kshs 40,000
Certificate in Tool Technology COURSE OBJECTIVE: The aim of this course is to develop entrepreneurs in Tool design & Manufacturing especially for the tools like Press Tools, Plastic Mould, Jigs and Fixtures, Gauges, Die Casting Dies	Holders of a Diploma/Degree in Mechanical Engineering and Certificate in CAD/CAM	3 Months Tuition Fees:72,000/-
Certificate in Metallurgy and Heat Treatment COURSE OBJECTIVE: At the end of this course participant will become familiar with properties and application treatment of alloys and metals, various specifications of steel and testing methods. They will develop Heat Treatment skills and select process parameters independently	Holders of a Certificate in Milling/ Turning	3 Months Tuition Fees: 36,000/-
Certificate in Foundry Technology COURSE OBJECTIVE: At the end of this course participant will be able to work in entry level employment in a foundry shop and start at fresher level in mould preparation, casting and finishing of casting		
Certificate in Motor Rewinding Technology COURSE OBJECTIVE: At the end of this course participant will be able to learn to rewind single Phase, three Phase and universal motors	Holders of a Certificate/Diploma in Engineering	
Certificate in Industrial Electronics Technology COURSE OBJECTIVE: At the end of this course participant will be able to interpret and control industrial processes	Holders of a Certificate/Diploma in Engineering	
Certificate in Vehicle Diagnosis Technology COURSE OBJECTIVE: At the end of this course participant will be able to interpret technical information on vehicle performance, identify/locate a fault by means of diagnosis kit	Holders of a Certificate/Diploma in Automotive Engineering	

APPLICATION PROCEDURE

Please read the following application guidelines carefully before you apply:

Applications should be made as follows:

- (1) Masters and Short Courses: Download application form from the TU-K website and complete it in handwriting, pay Kshs 2,000 in any of the bank accounts and submit to the Admissions Office before 3rd June 2016
- (2) Bachelors and Diploma programmes: Applications should be made by completing and printing the online application form available on the Technical University of Kenya application portal: intake.tukenya.ac.ke.

STEPS FOR ONLINE APPLICATION

1. Visit the University website www.tukenya.ac.ke and locate menu "Intake 2016"
2. Sign Up and create an account;
3. Enter your personal details to obtain a REFERENCE NUMBER;
4. Copy the REFERENCE NUMBER and quote it as you pay application fees KES 2000 at Cooperative Bank. Use REFERENCE NUMBER AS ONE OF YOUR NAMES. Your payment will be confirmed automatically after 24 hours;
5. After 24 hours elapse, return to the university website, log in and proceed to enter your academic qualifications
6. Upload a scanned copy of the corresponding certificate/result slip against each qualification;
7. Choose your preferred programme of study; then
8. SUBMIT application and wait for selection process to be completed. You can always login and check for your application status using your account details. Updates will be available from 30th June 2016.

NOTE:

- Bank Account Details: Cooperative Bank: **01129006234900**
- Your payment will FAIL if you pay before obtaining a REFERENCE NUMBER
- You can apply for another course if you pay for it using the same REFERENCE NUMBER.

You can track your application status after submission from the application portal above.

All payments be made to:

Account Name: Technical University of Kenya
Cooperative Bank: A/C No. 01129006234900 or
Equity Bank: A/C No. 0540290597366

Please QUOTE THE FORM REFERENCE NUMBER while paying the application fees at the bank. The applications should be addressed to the SENIOR ASSISTANT REGISTRAR – STUDENT RECRUITMENT AND ADMISSIONS, THE TECHNICAL UNIVERSITY OF KENYA to reach the University **on or before 3rd June, 2016.**

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