



MURANG'A UNIVERSITY OF TECHNOLOGY

P.O. BOX 75 - 10200 MURANG'A - KENYA

Tel. No. 0705939269, 0771370824

Website: www.mut.ac.ke

MURANG'A UNIVERSITY OF TECHNOLOGY UNDERGRADUATE PROGRAMMES

1. SCHOOL OF ENGINEERING AND TECHNOLOGY

Department of Electrical and Electronics Engineering

COURSE	KUCCPS MINIMUM SUBJECT REQUIREMENTS	SELF SPONSORED SUBJECT REQUIREMENTS	CAREER PROSPECTS
Bachelor of Science in Electrical and Electronics Engineering	Subject 1 MAT A C+ Subject 2 PHY C+ Subject 3 CHE C+ Subject 4 ENG / KIS C+	C+ in Mathematics, Chemistry, Physics and English/Kiswahili.	i) Aerospace engineer ii) Broadcast engineer iii) Instrumentation and Control engineer iv) Nuclear engineer v) Production manager vi) Software engineer vii) Electrical Engineer viii) Renewable Energy Engineer ix) Power Systems Analyst x) Electronics Design Engineer xi) Embedded Systems Engineer xii) Telecommunications Engineer



MUT IS ISO 9001: 2015 & ISO/IEC 27001:2013 CERTIFIED



			<ul style="list-style-type: none"> xiii) Radio Frequency Systems Engineer xiv) Robotics Engineer xv) Electronic Vehicle Design Engineer xvi) Project Engineer xvii) Technical sales engineer xviii) Technical author and researcher
Bachelor of Technology in Electrical and Electronics Engineering	<ul style="list-style-type: none"> Subject 1 MAT A C+ Subject 2 PHY C+ Subject 3 CHE C+ 		<ul style="list-style-type: none"> i) Aerospace Electrical System Technologist ii) Electrical Control and Instrumentation Technologist iii) Electrical Project Engineering Technologist iv) Electrical Circuit Design Technologist v) Electrical Engineering Technologist vi) Electrical Installation Technologist vii) Electronic Test Technologist viii) Electronic Engineering Technologist ix) Electrical Energy Technologist x) Electrical and Electronic Entrepreneurial Technologist xi) Field Service Engineering Technologist xii) Maintenance Engineering Technologist xiii) Service Engineering Technologist



			xiv) Computer Hardware Technologist
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Department of Civil and Building Engineering

COURSE	KUCCPS MINIMUM SUBJECT REQUIREMENTS	SELF SPONSORED SUBJECT REQUIREMENTS	CAREER PROSPECTS
Bachelor of Science in Civil Engineering	Subject 1 MAT A C+ Subject 2 PHY C+ Subject 3 CHE C+ Subject 4 ENG / KIS C+	C+ in Mathematics, Chemistry, Physics and English/Kiswahili.	i) Building control surveyor ii) CAD technician iii) Consulting civil engineer iv) Contracting civil engineer v) Design engineer vi) Estimator vii) Nuclear engineer viii) Site engineer ix) Structural engineer x) Water engineer

Department of Mechanical Engineering

COURSE	KUCCPS MINIMUM SUBJECT REQUIREMENTS	SELF SPONSORED SUBJECT REQUIREMENTS	CAREER PROSPECTS
Bachelor of Science in Mechatronics Engineering	Subject 1 MAT A C+ Subject 2 PHY C+ Subject 3 CHE C+ Subject 4 ENG / KIS C+	C+ in Mathematics, Chemistry, Physics and English/Kiswahili.	i) Robotics technician ii) Telecommunications engineer iii) Agricultural systems designer iv) Instrumentation designer v) Industrial automation specialist vi) Electronics engineer vii) Mechanical engineer
Bachelor of Science in Mechanical Engineering			i) Mechanical Design Engineer ii) Manufacturing Engineer iii) Maintenance Engineer



			<ul style="list-style-type: none"> iv) Thermal Engineer v) Quality Control/Quality Assurance Engineer vi) Renewable Energy Engineer vii) Electric Vehicles Manufacturing viii) Robotics and Automation ix) Aerospace Engineering
Bachelor of Technology in Mechanical Engineering	Subject 1 MAT A C+ Subject 2 PHY C+ Subject 3 CHE C+		<ul style="list-style-type: none"> i) Manufacturing and Industrial Engineering Technology ii) Industrial Plant and Energy Engineering Technology iii) Automotive and Autotronic Engineering Technology iv) Material and Metallurgical Engineering Technology

2. SCHOOL OF PURE, APPLIED AND HEALTH SCIENCES

Department of Physical and Biological Science

COURSE	KUCCPS MINIMUM SUBJECT REQUIREMENTS	SELF SPONSORED SUBJECT REQUIREMENTS	CAREER PROSPECTS
Bachelor of Science in Analytical Chemistry	Subject 1 MAT A C+	C+ (Plus) in Mathematics, C- (Minus) in Physics and C- (Minus) in Chemistry	<ul style="list-style-type: none"> i) Quality Control (QC) Chemist ii) Research and Development (R&D) Chemist iii) Analytical Chemist iv) Pharmaceutical Industry Chemist v) Environmental Chemist vi) Forensic Chemist vii) Petrochemical Industry Chemist



			<ul style="list-style-type: none"> viii) Nanotechnology Chemist ix) Material Science x) Green Chemistry xi) Regulatory Affairs Specialist xii) Public Sector Chemist xiii) Research and Academia xiv) Self-Employment and Consulting
Bachelor of Science in Industrial Chemistry	<ul style="list-style-type: none"> Subject 1 MAT A C Subject 2 PHY C Subject 3 CHE C+ 		<ul style="list-style-type: none"> i) Process Chemist/Engineer ii) Quality Control (QC) Chemist iii) Production Chemist iv) Research and Development (R&D) Chemist v) Laboratory Technician vi) Environmental and Waste Management vii) Renewable Energy and Green Chemistry viii) Regulatory Affairs Specialist ix) Environmental Chemist x) Public Sector Chemist xi) Entrepreneurship and Consulting
Bachelor of Science (General)	<ul style="list-style-type: none"> Subject 1 MAT A C Subject 2 BIO / PHY / CHE C Subject 3 BIO / PHY / CHE C 	C+ (Plus) in Biology & C (Plain) in Mathematics and Chemistry	<p>B.Sc. General has several specializations and career prospects</p> <p>a) Chemistry</p> <p>Overview: Focus on organic, inorganic, physical, and analytical chemistry.</p> <p>Career Prospects:</p>

		<p>i) Chemist in pharmaceutical, petrochemical, and manufacturing industries.</p> <p>ii) Analytical Chemist in quality control labs, environmental analysis, and food safety.</p> <p>iii) Researcher in chemical synthesis, drug development, and industrial processes.</p> <p>iv) Environmental Consultant focused on chemical safety and pollution control.</p> <p>b) Physics Overview: Focus on classical mechanics, electromagnetism, quantum mechanics, and thermodynamics. Career Prospects:</p> <p>i) Research Scientist in government labs, academia, or private industries (e.g., aerospace, telecommunications).</p> <p>ii) Data Analyst in fields like finance, technology, and software development.</p> <p>iii) Nuclear Physicist in energy production or medical physics.</p> <p>iv) Engineer in fields like electronics, optics, and materials science.</p> <p>c) Mathematics</p>
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		<p>Overview: Focus on pure and applied mathematics, statistics, calculus, and mathematical modeling.</p> <p>Career Prospects:</p> <ul style="list-style-type: none"> i) Actuary in insurance, pension funds, or investment companies. ii) Data Scientist analyzing data trends in tech, healthcare, or finance. iii) Mathematical Modeler in fields such as physics, economics, or computer science. iv) Financial Analyst using quantitative methods for risk management and investment strategies. <p>d) Biology</p> <p>Overview: Focus on genetics, ecology, microbiology, and cellular biology.</p> <p>Career Prospects:</p> <ul style="list-style-type: none"> i) Biomedical Researcher in healthcare, drug development, or genetic research. ii) Environmental Scientist specializing in biodiversity, conservation, or pollution control. iii) Laboratory Technician in clinical, industrial, or agricultural settings.
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			<p>iv) Healthcare Professional (with further study), including roles like medical laboratory technologist or physician assistant.</p> <p>e) Zoology Overview: Focus on animal behaviour, physiology, ecology, and evolution. Career Prospects:</p> <ul style="list-style-type: none"> i) Wildlife Biologist or Zoologist in conservation, research, or governmental roles. ii) Marine Biologist working with aquatic ecosystems, oceanography, and conservation efforts. iii) Veterinarian (with further study) focusing on animal health and care. iv) Researcher in academic or governmental research labs studying animal behavior and biology. <p>f) Geology Overview: Focus on the study of Earth processes, minerals, rock formations, and natural resources. Career Prospects:</p> <ul style="list-style-type: none"> i) Geologist in the mining, oil, and gas industries. ii) Environmental Consultant assessing the environmental
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			<p>impact of construction, mining, and other industries.</p> <p>iii) Hydrologist studying water resources and their management.</p> <p>iv) Geotechnical Engineer in construction and infrastructure projects, focusing on soil and rock stability.</p> <p>g) Botany Overview: Focus on plant biology, physiology, ecology, and genetics. Career Prospects:</p> <p>i) Plant Biologist researching plant genetics, breeding, and biotechnology applications.</p> <p>ii) Agronomist specializing in crop production and sustainable farming practices.</p> <p>iii) Horticulturist managing and improving plant growth in landscaping, agriculture, or research.</p> <p>iv) Conservation Biologist focusing on plant conservation and ecosystem restoration.</p>
Bachelor of Science in Biosciences		C+ (Plus) in Biology & C (Plain) in Mathematics/Physics and Chemistry and Agriculture/Geography	<p>i) Research Scientist</p> <p>ii) Biotechnologist,</p> <p>iii) Pharmaceutical Technician</p> <p>iv) Drug Development Specialist</p> <p>v) Regulatory Affairs Specialist</p> <p>vi) Environmental Consultant</p> <p>vii) Conservation Biologist</p> <p>viii) Wildlife Biologist,</p>

			<ul style="list-style-type: none"> ix) Ecologist x) Bioinformatician, xi) Computational Biologist, xii) Synthetic Biologist, xiii) Genetic Engineer xiv) Environmental Health Specialist, xv) Safety Officer, xvi) Environmental Policy Advisor
Bachelor of Science in Laboratory Technology	Subject 1 BIO C+ Subject 2 MAT A / PHY C+	C+ (Plus) in any two science (Biology, Physics or Chemistry)	<ul style="list-style-type: none"> i) Medical Laboratory Technologist ii) Clinical Research Laboratory Technologist iii) Microbiologist (Medical/Environmental) iv) Hematology Laboratory Technologist v) Pathology Laboratory Technologist vi) Quality Control Technologist vii) Environmental Lab Technician, viii) Environmental Analyst, ix) Water Quality Technician. x) Pharmaceutical Laboratory Technologist xi) Biomedical Research Technician xii) Molecular Biology Laboratory Technologist

Department of Mathematics and Actuarial Science



COURSE	KUCCPS MINIMUM SUBJECT REQUIREMENTS	SELF SPONSORED SUBJECT REQUIREMENTS	CAREER PROSPECTS
Bachelor of Science in Mathematics and Computer Science	Subject 1 MAT A C+ Subject 2 PHY C+ Subject 3 ENG / KIS C	Minimum Subject Requirement C+ (Plus) in Mathematics, C- (Minus) in Physics and C- (Minus) in Chemistry	i) Software Developer/Engineer ii) Data Scientist/Analyst iii) Systems Analyst iv) Network Engineer v) IT infrastructure manager vi) Cybersecurity Analyst/Engineer vii) Quantitative Analyst (Quant) viii) Operations Research Analyst ix) Machine Learning Researcher. x) University Lecturer/Professor
Bachelor of Science in Mathematics and Economics	Subject 1 MAT A C+ Subject 2 ENG / KIS C	C+ (Plus) in Mathematics & C (Plain) in English	i) Economist ii) Financial Analyst iii) Data Analyst/Quantitative Analyst (Quant) iv) Policy Analyst v) Risk Manager/Analyst vi) Management Consultant vii) Market Research Analyst viii) Research Economist, ix) Financial Researcher, x) Economic Modeler.
Bachelor of Science in Applied Statistics with Programming	Subject 1 MAT A C+ Subject 2 PHY C Subject 3 ENG / KIS C		i) Data Scientist ii) Statistician iii) Business Intelligence (BI) Analyst iv) Market Research Analyst v) Data Engineer vi) Machine Learning Engineer vii) Biostatistician viii) Epidemiologist

			ix) Operations Research Analyst x) Researcher in Statistics or Data Science xi) Data Consulting
Bachelor of Science in Actuarial Science	Subject 1 MAT A C+		i) Actuary ii) Risk Analyst/Manager iii) Investment Analyst iv) Pension Consultant v) Underwriter vi) Quantitative Analyst (Quant) vii) Financial Analyst viii) Climate Change and Environmental Risk Analyst ix) Entrepreneurial and Consulting Roles

Department of Health Sciences

COURSE	KUCCPS MINIMUM SUBJECT REQUIREMENTS	SELF SPONSORED SUBJECT REQUIREMENTS	CAREER PROSPECTS
Bachelor of Science in Nursing	Subject 1 BIO C+ Subject 2 CHE C+ Subject 3 MAT A / PHY C+ Subject 4 ENG / KIS C+	C+ (Plus) in Biology/Biological Sciences and Chemistry, C+ (Plus) in English/Kiswahili and C+ (plus) in Mathematics.	i) Registered Nurse (RN) ii) Nurse Practitioner (NP) iii) Clinical Nurse Specialist (CNS) iv) Nurse Educator v) Nurse Administrator/Manager vi) Public Health Nurse vii) Home Health Nurse viii) Hospice Nurse ix) Nurse Researcher x) Nurse Informaticist
Bachelor of Science in Medical Laboratory Science			i) Medical Laboratory Scientist/Technologist ii) Laboratory Manager iii) Cytotechnologist



			<ul style="list-style-type: none"> iv) Histotechnologist v) Blood Bank Technologist vi) Molecular Biology Technologist vii) Clinical Research Scientist viii) Forensic Laboratory Technician
Bachelor of Science in Environmental Health			<ul style="list-style-type: none"> i) Environmental Health Officer ii) Environmental Health Specialist iii) Environmental Health Consultant iv) Industrial Hygienist v) Environmental Health Policy Analyst vi) Environmental Health Educator vii) Environmental Toxicologist viii) Climate Change and Health Specialist ix) Environmental Epidemiologist
Bachelor of Science in Clinical Medicine	<ul style="list-style-type: none"> Subject 1 BIO C+ Subject 2 CHE C+ Subject 3 MAT A / PHY C+ Subject 4 ENG / KIS C+ 		<ul style="list-style-type: none"> i) General Medical Practitioner (GP) ii) Medical Officer in Hospitals and Healthcare Settings iii) Medical Researcher iv) Public Health Physician v) Emergency Medicine Physician
Bachelor of Science in Public Health	<ul style="list-style-type: none"> Subject 1 BIO C+ Subject 2 CHE C+ Subject 3 MAT A / PHY C+ Subject 4 ENG / KIS C+ 		<ul style="list-style-type: none"> i) Public Health Officer/Health Promotion Specialist ii) Epidemiologist iii) Environmental Health Specialist iv) Health Policy Analyst v) Global Health Professional vi) Biostatistician vii) Maternal and Child Health Specialist

			viii) Public Health Nutritionist/Dietician ix) Healthcare Administrator
Bachelor of Science in Community Health	Subject 1 Subject 2 Subject 3 C Subject 4 C	BIO C CHE C MAT A / PHY ENG / KIS	C+ (Plus) in Biology/Biological Sciences, C (Plain) in English/Kiswahili and C (plain) in any two of the following; Mathematics, Chemistry or Physics. i) Community Health Worker ii) Health Education Specialist iii) Public Health Program Coordinator iv) Epidemiologist (Community Focus) v) Health Policy Analyst vi) Environmental Health Specialist vii) Substance Abuse Counsellor viii) Global Health Professional

3. SCHOOL OF COMPUTING AND INFORMATION TECHNOLOGY

Department of Computer Science

COURSE	KUCCPS SUBJECT REQUIREMENTS	MINIMUM REQUIREMENTS	SELF SPONSORED SUBJECT REQUIREMENTS	CAREER PROSPECTS
Bachelor of Science in Software Engineering	Subject 1 Subject 2 Subject 3 C	MAT A C+ PHY C+ ENG / KIS	C+ in Mathematics and C (plain) English	i) Software Developer/Software Engineer ii) Systems Analyst iii) Web Developer iv) Mobile App Developer v) Database Administrator vi) DevOps Engineer vii) Software Tester viii) Quality Assurance (QA) Engineer ix) Artificial Intelligence/Machine Learning Engineer x) Cybersecurity Engineer



Bachelor of Science in Computer Science			<ul style="list-style-type: none"> xi) Game Developer i) Software Developer/Software Engineer ii) Systems Analyst iii) Data Scientist iv) Web Developer v) Cybersecurity Analyst/Engineer vi) Cloud Engineer vii) Artificial Intelligence (AI) and Machine Learning (ML) Engineer viii) Database Administrator (DBA) ix) Game Developer x) Network Engineer xi) IT Consultant
Bachelor of Science in Computer Technology			<ul style="list-style-type: none"> i) Computer Hardware Engineer ii) IT Support Specialist iii) Network Administrator/Network Engineer iv) Systems Administrator v) Web Developer vi) Database Administrator (DBA) vii) Cybersecurity Analyst/Engineer viii) Cloud Engineer ix) Computer Programmer x) Embedded Systems Engineer xi) IT Project Manager xii) Technical Consultant
Bachelor of Science in Computer Security and Digital Forensics		C+ in Mathematics and C (plain) English	<ul style="list-style-type: none"> i) Cybersecurity Analyst/Engineer ii) Digital Forensics Investigator iii) Penetration Tester (Ethical Hacker) iv) Incident Responder v) Security Consultant

			vi) Malware Analyst vii) Security Auditor viii) Computer Forensics Expert for Law Enforcement ix) Cybersecurity Educator/Trainer x) Privacy Officer/Data Protection Officer
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Department of Information Technology

COURSE	KUCCPS SUBJECT REQUIREMENTS	MINIMUM REQUIREMENTS	SELF SPONSORED SUBJECT REQUIREMENTS	CAREER PROSPECTS
Bachelor of Science in Information Technology	Subject 1 Subject 2 C	MAT A C ENG / KIS	C+ in Mathematics and C (plain) English	i) IT Support Specialist ii) Network Administrator iii) Software Developer/Engineer iv) Web Developer v) Database Administrator (DBA) vi) Cybersecurity Specialist vii) IT Project Manager viii) Cloud Solutions Architect ix) Systems Analyst x) Artificial Intelligence/Machine Learning Engineer xi) DevOps Engineer xii) IT Consultant
Bachelor of Business Information Technology (BBIT)	Subject 1 B C	MAT A / MAT		i) IT Consultant ii) Systems Administrator iii) Database Administrator (DBA) iv) E-commerce Manager v) Business Intelligence (BI) Analyst vi) Digital Marketing Specialist



			<ul style="list-style-type: none"> vii) Cloud Solutions Architect viii) ERP (Enterprise Resource Planning) Specialist ix) Information Systems Manager x) Technology Risk Manager
Bachelor of Science in Information Science		C+ in Mathematics and C (plain) English	<ul style="list-style-type: none"> i) Information Systems Manager ii) Data Analyst iii) Database Administrator (DBA) iv) Information Security Analyst v) IT Support Specialist vi) Web Developer vii) Business Analyst viii) Information Architect ix) User Experience (UX) Designer x) Knowledge Manager xi) Digital Archivist xii) Cloud Solutions Architect xiii) IT Auditor

4. SCHOOL OF BUSINESS AND ECONOMICS

Department of Human Resource Management

COURSE	KUCCPS MINIMUM SUBJECT REQUIREMENTS	SELF SPONSORED SUBJECT REQUIREMENTS	CAREER PROSPECTS
Bachelor of Science in Human Resource Management	None	C (Plain) in Mathematics and English/Kiswahili	<ul style="list-style-type: none"> i) Human Resources Manager ii) Recruitment Specialist/Recruiter iii) Training and Development Specialist iv) Compensation and Benefits Specialist v) Employee Relations Specialist vi) HR Generalist



			<ul style="list-style-type: none"> vii) Labour Relations Specialist viii) Organizational Development Specialist ix) Diversity, Equity, and Inclusion (DEI) Specialist x) HR Analyst
Bachelor of Science in Entrepreneurship & Enterprise Management	Subject 1 B C	MAT A / MAT	<ul style="list-style-type: none"> i) Entrepreneur/Business Owner ii) Business Development Manager iii) Enterprise Consultant iv) Innovation Manager v) Social Entrepreneur vi) Operations Manager vii) Sales and Marketing Manager viii) Franchise Manager ix) Project Manager

Department of Commerce

COURSE	KUCCPS MINIMUM SUBJECT REQUIREMENTS	SELF SPONSORED SUBJECT REQUIREMENTS	CAREER PROSPECTS
Bachelor of Science in Development Studies with IT	None	C (Plain) in Mathematics and English/Kiswahili;	<ul style="list-style-type: none"> i) Development Project Manager ii) Monitoring and Evaluation (M&E) Officer iii) Policy Analyst iv) Community Development Officer v) Data Analyst for Development vi) Social Entrepreneur vii) Geographic Information Systems (GIS) Specialist viii) Digital Inclusion Officer ix) Development Communication Specialist
Bachelor of Commerce	Subject 1	MAT A / MAT	<ul style="list-style-type: none"> i) Accountant



	B C	<ul style="list-style-type: none"> ii) Auditor iii) Tax Consultant. iv) Financial Analyst v) Investment Banker vi) Marketing Executive vii) Sales Manager viii) Brand Manager. ix) HR Officer x) Business Consultant xi) Management Consultant. xii) Logistics Manager xiii) Procurement Officer. xiv) E-Commerce Manager xv) Digital Marketing Specialist.
Bachelor of Science in Procurement and Supplies Management	Subject 1 MAT A / MAT B C	<ul style="list-style-type: none"> i) Procurement Officer ii) Supply Chain Manager iii) Inventory and Warehouse Manager iv) Vendor Manager v) Logistics Coordinator vi) Strategic Sourcing Analyst vii) Public Procurement Specialist viii) Supplier Relationship Manager ix) Sustainable Procurement Specialist x) E-Procurement Specialist xi) Risk and Compliance Analyst
Bachelor of Science in Maritime and Freight Logistics		<ul style="list-style-type: none"> i) Maritime Operations Manager ii) Freight and Logistics Manager iii) Shipping Manager iv) Port Operations Specialist v) Customs and Trade Compliance Officer vi) Marine Surveyor

			vii) Freight Forwarder viii) Supply Chain Analyst ix) Maritime Economist x) Sustainable Shipping Specialist xi) Digital Freight Solutions Specialist
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5. SCHOOL OF AGRICULTURE AND ENVIRONMENTAL SCIENCES

Department of Agriculture

COURSE	KUCCPS MINIMUM SUBJECT REQUIREMENTS	SELF SPONSORED SUBJECT REQUIREMENTS	CAREER PROSPECTS
Bachelor of Science in Agriculture	Subject1 BIO / AGR C / C+ Respectively Subject 2 CHE C Subject 3 MAT A / PHY / GEO C	C (Plain) in English OR Kiswahili	i) Agricultural Officer ii) Agronomist iii) Agribusiness Manager iv) Soil and Water Conservationist v) Livestock Production Manager vi) Agricultural Economist vii) Agricultural Consultant viii) Food Scientist ix) Agricultural Researcher x) Precision Agriculture Specialist xi) Sustainable Agriculture Specialist xii) Agricultural Export Manager
Bachelor of Science in Agricultural Education and Extension	Subject 1 BIO C+ Subject 2 AGR C+		i) Agricultural Extension Officer ii) Agricultural Education Teacher iii) Community Development Officer iv) Agribusiness Trainer v) Curriculum Developer in Agricultural Education



		<ul style="list-style-type: none"> vi) Training and Capacity-Building Specialist vii) Research Assistant or Technician viii) Climate Change and Sustainability Educator ix) Gender and Youth Empowerment Specialist
Bachelor of Science in Agribusiness Management and Enterprise Development	<p>Subject 1 MAT A C Subject1 BIO / AGR / BST C / C+ / C+ Respectively</p>	<ul style="list-style-type: none"> i) Agribusiness Manager ii) Agricultural Marketing Specialist iii) Agribusiness Consultant iv) Agricultural Entrepreneur v) Financial Analyst in Agribusiness vi) Policy Analyst or Advisor vii) Rural Development Officer viii) Agritech Specialist ix) Value Chain Analyst x) Sustainable Agribusiness Specialist
Bachelor of Science in Agricultural Economics and Rural Development	<p>Subject1 BIO / AGR C / C+ Respectively Subject 2 CHE C Subject 3 MAT A / PHY / GEO C</p>	<ul style="list-style-type: none"> i) Agricultural Economist ii) Rural Development Officer iii) Agribusiness Manager iv) Policy Advisor v) Agricultural Data Analyst vi) Farm Manager vii) International Development Specialist viii) Financial Analyst for Agriculture ix) Climate-Smart Agriculture Specialist x) Agritech Specialist xi) Value Chain Specialist



6. SCHOOL OF HOSPITALITY AND TOURISM MANAGEMENT

Department of Hospitality Management

COURSE	KUCCPS MINIMUM SUBJECT REQUIREMENTS	SELF SPONSORED SUBJECT REQUIREMENTS	CAREER PROSPECTS
Bachelor of Hospitality Management	None	C (Plain) in the following; English/Kiswahili/Foreign Language, Mathematics, Biology/Physics/Chemistry, Geography/CRE/IRE/Hindu/History & Government, Home Science/Agriculture	<ul style="list-style-type: none"> i) Hotel Manager ii) Restaurant Manager iii) Event Coordinator/Planner iv) Travel and Tourism Manager v) Front Office Manager vi) Tourism Development Officer vii) Sustainability Manager viii) Digital Marketing Specialist ix) Hospitality Technology Specialist x) Cruise Line Manager
Bachelor of Science in Food Science and Technology	Subject 1 BIO / HSC / AGR C Subject 2 CHE C Subject 3 MAT A C	C (Plain) in the following; English/Kiswahili/Foreign Language, Mathematics, Biology/Physics/Chemistry, Geography/CRE/IRE/Hindu/History & Government, Home Science/Agriculture	<ul style="list-style-type: none"> i) Food Scientist ii) Quality Control/Assurance Manager iii) Food Safety Officer iv) Process Development Scientist v) Sensory Analyst vi) Nutritionist/Dietitian vii) Food Packaging Technologist viii) Food Entrepreneur ix) Sustainability Specialist in Food Production x) Biotechnology Specialist in Food Science

Department of Tourism Management



COURSE	KUCCPS MINIMUM SUBJECT REQUIREMENTS	SELF SPONSORED SUBJECT REQUIREMENTS	CAREER PROSPECTS
Bachelor of Tourism Management	None	C (Plain) in the following; English/Kiswahili/Foreign Language, Mathematics, Biology/Physics/Chemistry, Geography/CRE/IRE/Hindu/History & Government, Home Science/Agriculture	<ul style="list-style-type: none"> i) Tourism Manager ii) Tour Operator/Guide iii) Event Coordinator/Planner iv) Hotel Manager v) Travel Consultant/Advisor vi) Sustainable Tourism Specialist vii) Marketing and Communications Manager (Tourism) viii) Airline/Travel Operations Manager ix) Digital Tourism Specialist x) Tourism Policy Analyst xi) Travel Blogger/Influencer xii) Cruise Director
Bachelor of Travel and Tours Management	None		<ul style="list-style-type: none"> i) Travel Agent/Consultant ii) Tour Operator iii) Travel Coordinator (Corporate) iv) Event Manager (Tourism-related) v) Destination Manager vi) Hotel or Resort Manager vii) Tourism Marketing Specialist viii) Cruise Director ix) Tour Guide

7. SCHOOL OF EDUCATION

Department of Education and Technology



COURSE	KUCCPS SUBJECT REQUIREMENTS	MINIMUM REQUIREMENTS	SELF SPONSORED SUBJECT REQUIREMENTS	CAREER PROSPECTS
Bachelor of Technology Education (with options; Civil Engineering, Mechanical Engineering and Electrical Engineering)	Subject 1 Subject 2 Subject 3	PHY C+ MAT A C+ CHE C+	A minimum of C+ in two (2) teaching subjects	<ul style="list-style-type: none"> i) Technical/Vocational Trainers ii) Instructional Coordinator (Technology Focus) iii) Educational Technologist iv) Industrial Trainer/Corporate Trainer v) Technology Integration Specialist vi) STEM Education Consultant vii) Educational Content Developer (Technology Focus) viii) Researcher in Technology Education ix) E-Learning Designer x) Educational Data Analyst (Tech Focus)
Bachelor of Education (Science)	Subject 1 Subject 2	MAT A / BIO / PHY / CHE C+ MAT A / BIO / PHY / CHE C+		<ul style="list-style-type: none"> i) Science Teacher ii) STEM Educator iii) Science Education Researcher iv) Curriculum Developer (Science Focus) v) Educational Administrator vi) Educational Consultant (Science Focus) vii) Science Outreach Coordinator viii) E-Learning Specialist (Science Focus) ix) Educational Technology Specialist (Science)
Bachelor of Education (Arts)	Subject 1	ENG / KIS / MAT A / MAT B / HAG / GEO		<ul style="list-style-type: none"> i) Arts Teacher ii) Language Teacher

	/ CRE / IRE / HRE / SEE / HSC / ARD / CMP / FRE / GER / ARB / KSL / MUC / ACC / COM / BST C+ Subject 2 ENG / KIS / MAT A / MAT B / HAG / GEO / CRE / IRE / HRE / SEE / HSC / ARD / CMP / FRE / GER / ARB / KSL / MUC / ACC / COM / BST C+		iii) Arts Education Coordinator iv) Curriculum Developer (Arts Focus) v) Educational Administrator vi) Arts Program Facilitator vii) Educational Consultant (Arts Focus) viii) Arts and Culture Program Manager ix) Educational Technologist (Arts Focus)
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8. SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

Department of Humanities

COURSE	KUCAPS MINIMUM SUBJECT REQUIREMENTS	SELF SPONSORED SUBJECT REQUIREMENTS	CAREER PROSPECTS
Bachelor of Linguistics and Communication Studies	Subject 1 ENG / KIS C+	A minimum of C+ in English and Kiswahili	i) Linguist ii) Translator/Interpreter iii) Language Teacher iv) Public Relations (PR) Specialist v) Corporate Communications Specialist vi) Media Analyst vii) Content Writer/Editor viii) Speechwriter ix) Media and Communications Researcher



			<ul style="list-style-type: none"> x) Marketing and Advertising Specialist xi) Social Media Manager xii) Digital Content Strategist xiii) Communication Consultant xiv) UX Writer/Content Designer
Bachelor of Journalism and Digital Media			<ul style="list-style-type: none"> i) Digital Journalist ii) Broadcast Journalist iii) Social Media Manager/Content Manager iv) Digital Media Specialist v) Content Writer/Editor vi) Public Relations Specialist vii) Video Producer/Editor viii) Data Journalist ix) Media Researcher x) Digital Marketing Specialist xi) Multimedia Designer xii) UX/UI Content Strategist xiii) E-commerce Content Specialist

Department of Social Sciences

COURSE	KUCCPS MINIMUM SUBJECT REQUIREMENTS	SELF SPONSORED SUBJECT REQUIREMENTS	CAREER PROSPECTS
Bachelor of Science in Criminology and Security Studies	None	A minimum of C+ English/Kiswahili.	<ul style="list-style-type: none"> i) Criminal Justice Professional ii) Law Enforcement Officer iii) Private Security Officer iv) Crime Analyst v) Forensic Investigator vi) Correctional Administrator vii) Security Consultant viii) Cybersecurity Specialist



			<ul style="list-style-type: none"> ix) Risk Management Professional x) Victim Support Specialist xi) Intelligence Officer
Bachelor of Arts in Public Administration			<ul style="list-style-type: none"> i) Government Administrator ii) Public Policy Analyst iii) Public Relations Specialist iv) Non-Profit Manager v) Urban Planner vi) Budget Analyst vii) Social Services Administrator viii) International Development Specialist ix) Legislative Assistant/Advisor x) Compliance Officer

