



**MBEYA UNIVERSITY OF SCIENCE AND  
TECHNOLOGY**

**CENTER OF VIRTUAL AND CONTINUING  
EDUCATION**

**DEPARTMENT OF CONTINUING EDUCATION**



**LIST OF SHORT/ PROFESSIONAL  
COURSES IN 2025**

**DIGITAL CONTACT DETAILS**

**Email: [mlyashimbi.helikumi@must.ac.tz](mailto:mlyashimbi.helikumi@must.ac.tz)**

**Mobile: +255782 042 576**

**Email: [gisandu.malunguja@must.ac.tz](mailto:gisandu.malunguja@must.ac.tz)**

**Mobile: +255 763 628 343**

No.	Short/Professional Courses Description	Cost (Tsh/Pers.)	Implementation (Tentative)	Location	Duration (days)	Responsible Dept./Section
1	<b>Teaching Science Subjects Based on the 2014 Revised Education Policy 2023</b>	50,000	June	Mbeya	3	CoSTE
2	<b>Bioinformatics</b>	500,000	June	Mbeya	3	CoSTE
3	<b>Sayansi Katika Elimu Msingi: Kutumia Sera ya 2014 Iliyofanyiwa Mapitio (2023) Katika Ufundishaji Sayansi: Shule za msingi</b>	40,000	Julai	Mbeya	3	CoSTE
4	<b>Guidance and Cancelling for Special Needs Students</b>	500,000	March	Mbeya	3	D/CGS
5	<b>Safety in Mining Engineering Environment</b>	1,880,000	Varies	Mbeya	14	CET
6	<b>Inspection of Compressed Natural Gas (CNG) Fuel Systems</b>	1,880,000	Varies	Mbeya	14	CET
7	<b>Application of AI, Software and Data Analysis in Mining Engineering</b>	1,880,000	Varies	Mbeya	14	CET
8	<b>Maintenance Planning and Scheduling</b>	1,880,000	Varies	Mbeya	14	CET

9	<b>Motor Rewinding</b>	1,880,000	Varies	Mbeya	14	CET
10	<b>Installation of Refrigeration &amp; Air condition</b>	1,880,000	Varies	Mbeya	14	CET
11	<b>Maintenance of Switchgear and Substations</b>	1,880,000	Varies	Mbeya	14	CET
12	<b>Inspection, Installation of Earth System and Measurement</b>	1,880,000	Varies	Mbeya	14	CET
13	<b>Motor Installation and Control Technology</b>	1,880,000	Varies	Mbeya	14	CET
14	<b>Design and Drafting of Electric Systems Using Auto CAD</b>	1,880,000	Varies	Mbeya	14	CET
15	<b>Electrical Power System</b>	1,880,000	Varies	Mbeya	14	CET
16	<b>Power Transformers</b>	1,880,000	Varies	Mbeya	14	CET
17	<b>Energy Audit and Management</b>	1,880,000	Varies	Mbeya	14	CET
18	<b>Maintenance of Generator, Refrigeration &amp; Air Condition</b>	1,880,000	Varies	Mbeya	14	CET
19	<b>Security and Alarm Systems</b>	1,880,000	Varies	Mbeya	14	CET
20	<b>Domestic Electrical Installation and Maintenance</b>	1,880,000	Varies	Mbeya	14	CET
21	<b>Installation of Solar PV Electric systems</b>	1,880,000	Varies	Mbeya	14	CET
22	<b>Labour Based Technology:</b> An introduction to labour-based technology, Community Based, Organization (CBO), Earth and gravel roads construction, Earth and gravel road maintenance, striction and maintenance of road drainage, system, Maintenance of bituminous roads, Stone pitching/construction, Cement concrete pavement construction, Road side development and arboriculture, Preparation and fill the Bill of Quantities (BOQ) for road works, Introduction to safety practices and Practical and Site visit.	450,000		Kilimanjaro (Sept), Dar es Salaam (Feb), Mbeya (Nov), Dodoma (March) & Mwanza (May)	20	CET
23	<b>Analysis and Design of Multi-Storied Building Using Prota Structure Software:</b> Introduction to reinforced concrete design and detailing, Modelling of structural elements including slab,	600,000		Kilimanjaro (Sept) & Dodoma (May)	20	CET

	Beams and columns, Analysis of 3D model under gravity and wind load, Design of building elements using British Standard, Preparation of design report and Preparation of drawings, details and bar bending schedule					
24	<b>Road Maintenance, Prioritization and Traffic Planning:</b> Maintenance Techniques, Materials and Equipment for Maintenance, Maintenance, Planning and Scheduling, Prioritization of road projects, including collection and analysis for Maintenance prioritization, Prioritization of road projects based on economic, environmental, and safety considerations, Planning and management of traffic systems using modern techniques and technologies	600,000		Mbeya (Nov)	20	CET
25	<b>Building Maintenance:</b> Introduction to Building Maintenance, Types of Building Maintenance, Building Inspection and Assessment, Safety and Compliance in Building Maintenance, Maintenance of concrete roof slab leakage, Wall cracks repair, Demolition procedure, Painting, Cement sand floor finish repair, Terrazzo floor repair, Budgeting and Cost Estimation for Maintenance	1,200,000		Mbeya (Dec)	20	CET
26	<b>Analysis and Design of Reinforced Concrete Box Culvert Using Computer Software:</b> Introduction to Reinforced Concrete Box Culverts, Analysis and design of box culverts using computer software, Highlights on preparation of detailed drawings in AUTOCAD, Preparation of detailed design calculations report, and Preparation of Bar Bending Schedule	800,000		Mbeya (Aug)	20	CET
27	<b>Design and Construction of Low Volume Roads and Masonry Bridges:</b> Introduction to Low	600,000		Mbeya (Jan)	20	CET

	Volume Road, Traffic counting and determination of traffic loading, Understand the key concepts and principles of low volume road design and construction, Plan and conduct preliminary investigations for road projects, Design geometric layouts and pavement structures for low volume roads, Pavement material characterization including blending different materials for low volume roads Construction, Construction techniques and management of road construction projects, Design and construction of Masonry Bridges for Low Volume Roads					
28	<b>Precision Agriculture and Digital Farming:</b> This course introduces participants to precision agriculture technologies, including remote sensing, GIS applications, drones, and smart farming tools. It focuses on optimizing crop management, resource efficiency, and decision-making using digital tools	500,000	July	Mbeya	5	CoAST
29	<b>Sustainable Soil and Water Management for Climate-Resilient Agriculture:</b> This course provides innovative techniques in soil fertility management, water conservation, and climate adaptation strategies. It includes modern soil testing techniques, precision irrigation, and climate-smart agriculture methods	500,000	August	Mbeya	5	CoAST
30	<b>Postharvest Handling, Storage, and Value Addition for Perishable Crops:</b> This course equips participants with knowledge and skills in reducing postharvest losses, storage techniques, and value addition for fruits, vegetables, and cereals. It covers innovative packaging, cold storage solutions, and agro-processing methods	400,000	September	Mbeya	5	CoAST

31	<b><i>Integrated Pest and Disease Management (IPDM) for Sustainable Agriculture:</i></b> This course provides a holistic approach to pest and disease management using biological control, organic methods, and digital surveillance. It is designed for farmers, extension officers, and agronomists looking to reduce pesticide dependency	320,000	October	Mbeya	5	CoAST
32	<b><i>Agribusiness and Entrepreneurship for Youth and Women:</i></b> This course is designed to empower youth and women in agribusiness by teaching them how to start, manage, and scale agribusiness ventures. It covers market linkages, agribusiness, and financial literacy for agricultural enterprises	450,000	November	Mbeya	6	CoAST
33	<b><i>Smart Agricultural Mechanization and Farm Machinery Operation:</i></b> This course introduces participants to modern agricultural mechanization and the operation of farm machinery to improve efficiency and reduce labor dependency in agriculture. Participants will gain hands-on experience in tractor operation, farm implements, and maintenance	500,000	Varies per needs	Mbeya	5	CoAST
34	<b><i>Agroforestry and Natural Resource Management for Sustainable Farming:</i></b> This course explores agroforestry systems and natural resource conservation techniques to promote sustainable farming and environmental resilience. It focuses on integrating trees, crops, and livestock in farming systems	35,000	September	Mbeya	5	CoAST
35	<b><i>Climate-Resilient Livestock Production and Management:</i></b> This course focuses on livestock management strategies that enhance resilience to climate change, disease outbreaks, and feed	400,000	October	Mbeya	5	CoAST

	scarcity. Participants will explore innovative solutions for sustainable livestock production					
36	<b>Organic Farming and Regenerative Agriculture for Soil Health:</b> This course teaches participants how to transition to organic farming while maintaining soil fertility and ecosystem balance. It covers composting, crop rotation, biofertilizers, and organic pest management	300,000	November	Mbeya	5	CoAST
37	<b>Seed Production and Certification for Improved Agricultural Productivity:</b>	380,000	December	Mbeya	5	CoAST
38	<b>Training in principles of proper dairy cattle production and management:</b> The main aim of this training program is to equip livestock keepers, dairy experts, farm managers and supervisors, agricultural extension officers, livestock officers, agribusiness stakeholders and dairy cooperatives and other agricultural professionals with the essential practical skills in dairy cattle production for a successful and profitable dairy cattle enterprise	500,000	Varies per needs	Mbeya	5	CoAST
39	<b>Quality Management Systems (QMS):</b> ISO 9001:2015 for Quality Management Systems, ISO 22000 for Food Safety Management Systems, ISO 17025:2017 for Laboratory Management Systems	950,000	April	Mbeya	14	CoAST
40	<b>Hygienic Milk Handling and Processing (Milk ValueAddition):</b> Hygienic Milk Handling, collection, Transportation & Preservation, Raw milk testing and quality control, Pasteurized milk, Milk separation and cream treatment, Fermented Milk Products Production, Butter and ghee making, Cheese Making production, Cleaning and maintenance of Dairy equipment	950,000	May	Mbeya	14	CoAST
41	<b>Sample Management:</b> Food Samples, Water Samples, Soil Samples, Medical Samples, Sample	950,000	June	Mbeya	15	CoAST

	Preservation and Storage, Quality Control and Quality Assurance in Sample Management, Data Management and Reporting					
42	<b>Fundamental Domestic Electrical installation</b>	100,000	Varies	Rukwa	28	Rukwa Campus College
43	<b>Solar PV installation system</b>	100,000	Varies	Rukwa	28	Rukwa Campus College
44	<b>Repair of Electrical Equipment</b>	100,000	Varies	Rukwa	28	Rukwa Campus College
45	<b>Graphics Design and Fundamental Ms processing</b>	100,000	Varies	Rukwa	28	Rukwa Campus College
46	<b>Computer maintenance and Repair</b>	100,000	Varies	Rukwa	28	Rukwa Campus College
47	<b>Fundamental Spreadsheet Advance Ms Processing</b>	100,000	Varies	Rukwa	28	Rukwa Campus College
48	<b>Advance Ms Spreadsheet</b>	100,000	Varies	Rukwa	28	Rukwa Campus College
49	<b>Welding and Metal fabrication</b>	100,000	Varies	Rukwa	28	Rukwa Campus College
50	<b>Plumbing and pipe fitting</b>	100,000	Varies	Rukwa	28	Rukwa Campus College
51	<b>Graphics Design: Electronic records Managements and electronic records automations</b>	450,000	Varies	Rukwa	5	Rukwa Campus College
52	<b>Troubleshooting and maintenance of refrigeration and air conditioning systems</b>	450,000	Varies	Rukwa	5	Rukwa Campus College
53	<b>VIP driving</b>	450,000	Varies	Rukwa	5	Rukwa Campus College
54	<b>Financial Control in public Office</b>	450,000	Varies	Rukwa	5	Rukwa Campus College
55	<b>Routine Office duties control and managements</b>	450,000	Varies	Rukwa	5	Rukwa Campus College
56	<b>Project planning and managements</b>	450,000	Varies	Rukwa	5	Rukwa Campus College

57	<b>Advanced Defensive Driving Grade I:</b> Participants will acquire competence on identifying hazards, defensive and timely action, driving behaviors and attitudes, vehicle pre/post safety checks, traffic regulations and high way codes, hints on safe driving, the effects of drug/alcohol in driving, driving conditions and trip judgment	700,000	March, June, September, December	Mbeya	14	D/AHRM
58	<b>VIP Driving Course:</b> Highway codes and markings, Communication and interaction, Professional driving, Driving ethics, Protocol, Route planning and scheduling, Advanced vehicle inspection and management, vehicle documents and records management, Road accident and reporting	700,000	March, June, September, December	Mbeya	14	D/AHRM
59	<b>Advance Personnel records management, Archives management, Office management and Customer care</b>	450,000	March, June, September, December	Mbeya	7	D/AHRM
60	<b>Construction Firms and Project Management</b>		March	Mbeya	5	CoACT
61	<b>Data Processing and Analysis using Statistical Package, Eg. SPSS</b>		March	Mbeya	5	CoACT
62	<b>Deployment of Feasibility Studies for Successful Construction Projects</b>		March	Mbeya	5	CoACT
63	<b>ArchiCAD BIM Author Master Class</b>		April	Mbeya	5	CoACT
64	<b>Lighting Design with Dialux Evo.</b>		April	Mbeya	10	CoACT
65	<b>Construction Procurement and Contract Management</b>		May	Mbeya	5	CoACT
66	<b>Human Resource Capital and Safety Management at the Construction Site</b>		May	Mbeya	5	CoACT
67	<b>Garden Design with Purpose</b>		May	Mbeya	7	CoACT
68	<b>Application of MS project Management Software in Construction Projects</b>		June	Mbeya	7	CoACT



69	<b>Preliminary Cost Estimates for Construction Projects</b>		June	Mbeya	5	CoACT
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Note: "**Varies**" indicates that it can be available at any time based on the customer's availability and requirements.

**CoSTE:** College of Science and Technical Education

**CoACT:** College of Architecture and Construction Technology

**CET:** College of Engineering and Technology

**CoICT:** College of Information and Communication Technology

**CoAST:** College of Agriculture and Science Technology

**D/AHRM:** Administration and Human Resource Management Directorate

**D/CGS:** Centre for Gender Studies Directorate