



TUMAINI UNIVERSITY MAKUMIRA
FACULTY OF EDUCATION, HUMANITIES & SCIENCE
DEPARTMENT OF SCIENCE & TECHNOLOGY
COURSE LISTS FOR SECOND SEMESTER, ACADEMIC YEAR,
2023/2024

BEMAT Programme
Semester 2, Year 2

Course Code	Course Name	Core / Elective	Credits	Instructor
MTH 8241	Calculus II	Core	9	Erick A.Kyojo(PT)
MTH 8242	Numerical Analysis I	Core	9	Mwenda A.
MTH 8243	Abstract (Modern) Algebra	Core	9	Christopher (PT)
MTH 8244	Operations Research	Core	9	Mwenda
EDU 8241	Sociology of Education	Core	9	Vumilia R.
EDU 8242	Introduction to Adult Education	Core	9	Dr. Kosia, D.
FCC 8241	Introduction to Research Methodology	Core	9	Dr. Kosia, D.
TOTAL			63	

Semester 2, Year 3

Course Code	Course Name	Core / Elective	Credits	Instructor(s)
MTH 8361	Fundamental Mathematics	Core	9	Christopher PT
MTH 8362	Numerical Analysis II	Core	9	Mwenda A.
MTH8363	Partial Differential Eq	Core	6	Kyojo (PT)
FCC 8361	Educational Guidance and Counseling	Core	9	Kirenga P.
FCC 8362	Educational Management and School Administration	Core	9	Dr. Haule
FCC 8363	Professionalism and Ethics in Education	Core	6	Mollet J. & Dr. Felix
FCC 8364	Research Project	Core	12	Supervisors
TOTAL			60	

BASIC TECHNICIAN CERTIFICATE (NTA LEVEL 4) IN COMPUTING AND INFORMATION TECHNOLOGY

Course Code	Course Name	Core / Fundamental	Credits	Instructor
ITT 04201	Hardware Installation & Troubleshooting	Core	12	Mr. Dafay L.
ITT 04202	Networking Basics	Core	12	Ms. Kisakayke
ITT 04203	Customer Care	Fundamental	7	Frank Kaaya(PT)
ITT 04204	Website Technology Basics	Core	12	Mr. Moses H.

GST 04201	Entrepreneurship Skills	Fundamental	10	PT
ITT 04206	Field Industrial Training	Core	10	Supervisors/ assessors
TOTAL			63	

TECHNICIAN CERTIFICATE (NTA LEVEL 5) IN COMPUTING AND INFORMATION TECHNOLOGY

Course Code	Course Name	Core / Fundamental	Credits	Instructor
ITT052 02	Server maintenance & repair	Core	12	Mr. Moses H.
ITT052 05	Introduction to supervisory skills	Fundamental	8	Mr. Abraham
ITT052 06	Computer application	Core	12	Ms Kisakyake
ITT052 08	Computer networking	Core	9	Mr. Abraham
ITT052 09	Introduction to internet programming	Core	10	Mr. Moses H.
ITT052 07	Field Industrial Training	Core	10	Assessors
TOTAL			61	

ORDINARY DIPLOMA (NTA LEVEL 5) IN COMPUTING AND INFORMATION TECHNOLOGY

Course Code	Course Name	Core / Fundamental	Credits	Instructor
ITT06201	Small business development	Fundamental	10	Wininsia Marandu (PT)
ITT06202	Information system development	Core	12	Ms. Felister
ITT06203	ICT for development	Core	12	Mr. Dafay L.
ITT06204	Wide Area Network	Core	12	Mr. Dafay L.
ITT06205	Project	Core	10	Mr. Abraham M.
ITT06206	System Administration & Security	Fundamental	12	Mr. Moses H.
TOTAL			68	

Updated by Dr. D. Kosia (HoD-ST), on 8th March 2024