



KABARAK UNIVERSITY

THE UNIVERSITY CATALOGUE

ACADEMIC PROGRAMS

2022/2023

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SHORT HISTORY OF THE UNIVERSITY

Kabarak University was founded on **16th October, 2000** by **His Excellency the late President Daniel Toroitich Arap Moi**, the Second President of the Republic of Kenya and the First Chancellor of the University. His Excellency President Moi wanted to set up a reputable Christian, Liberal Arts, Science and Technology university. The University operated under the Letter of Interim Authority granted by the Government of Kenya and presented to the University by the Commission for Higher Education on **16th October 2000**, therefore allowing the institution to award degrees. The University opened the door for admission of its first students in **September 2002**. On **16th May, 2008** the University was awarded Charter by His Excellency President Mwai Kibaki, the third President of the Republic of Kenya.

Vision

To become a Centre of Academic Excellence founded on Biblical Christian values.

Mission

To provide a holistic quality education based on research, practical skills and Biblical Christian values.

Philosophy

To provide a holistic quality education based on research, practical skills and Biblical Christian worldview that transforms lives.

Core Values

- Integrity
- Excellence and professionalism

- Innovativeness and creativity
- Patriotism
- Commitment to service
- Being mindful of others

Moral Code

As members of Kabarak University family, we purpose at all times and in all places, to set apart in one's heart, Jesus as Lord (1 Peter 3:15).

Our Campuses

The University currently operates two campuses:

The Main Campus is located 20 kilometres north of Nakuru town, along the Nakuru Eldama Ravine highway. The campus stands on a 600-acre piece of land in a serene, spacious and beautiful environment that makes it ideal for learning. The Main campus has state-of-the art facilities for teaching, learning, research, accommodation, catering, and sports. The facilities are purpose-built to enhance intellectual, physical, and spiritual growth.

Nakuru Town Campus is located one kilometre from Nakuru CBD, along Prison Road, off Nakuru – Kabarnet Road.

FOUNDING CHANCELLOR

His Excellency Hon. Daniel Toroitich Arap Moi, C.G.H.

CHANCELLOR

Hon. Senator Gideon Kipsielei Towett Moi

MEMBERS OF THE UNIVERSITY COUNCIL

Dr. John Kibosia, *Chairman*

Prof. Henry K. Kiplangat, *Secretary and Vice-Chancellor*

Lt. General (Rtd) Lazaro Sumbeiywo

Rev. Silas Yego

Bishop Rev. Dr. Robert Langat

Mr. Kipngetich Bett

Eng. John Cherogony

Prof. Ciarunji Chesaina

OFFICERS OF THE UNIVERSITY

Management Board

Prof. Henry K. Kiplangat, Vice-Chancellor

Prof. Ronald K. Chepkilot, Deputy Vice-Chancellor (Administration and Finance)

Prof. John N. Ochola, Deputy Vice-Chancellor (Academic and Research)

Rev. Prof. Jacob Kibor, Provost (Students and Spiritual Affairs)

Dr Antony Somba, Registrar (Academic and Research)

Dr. Simon Kipchumba, Registrar (Administration and Human Resource)

Dr. Dorcus Githaiga, Ag Dean of Students

Gideon Langat, Finance Manager

Patricia Chebet, University Librarian

Deans of Schools

Dr. Patrick Kibati	:	Business and Economics
Prof. Fredrick Ngala	:	Education, Humanities and Social Sciences
Prof. John Osogo Ambani	:	Law
Dr Pamela Kimeto Ting'ei	:	Medicine and Health Sciences
Prof. Mellitus Wanyama	:	Music and Music
Dr. Titus Suge	:	Pharmacy
Prof. Jackson Kitetu	:	Science, Engineering and Technology
Ms Rehab Wakuraya	:	Associate Dean, Law

Directors of Institutes

Prof. Gladys Kiptiony	:	Directorate of Excellence in Learning and Teaching
Dr. Maina Waiganjo	:	Nakuru Town Campus
Dr. Ernest Shitandi	:	Postgraduate Studies
Dr. Moses Thiga	:	Research, Innovation and Outreach
	:	Kabarak University Online
Dr Edwin Akumu	:	Quality Assurance and Institutional Planning

Heads of Departments

- ***School of Medicine and Health Sciences***

Dr. Jonathan Nthusi	:	Family Medicine
Doris Chebet Kibiwott	:	Nursing
Vasco Dominic Kulimankudya	:	Clinical Medicine
Dr. Michael Walekhwa	:	Biomedical Sciences
Dr. Wesley Bor	:	Human Nutrition and Dietetics
Aaron Misati	:	Public Health

- ***School of Education, Humanities and Social Sciences***

Dr Elkanah Cheboi	:	Theology and Biblical Studies
Dr. Kanake Kobia	:	Education (Arts)
Dr. Bornes Mosonik	:	Education (Science)

- ***School of Science, Engineering and Technology***

Dr. Selah Kebenei	:	Biological and Life Sciences
Philip Ragama	:	Mathematics and Actuarial Science
Dr. Nelson Masese	:	Computer Science and IT

- ***School of Business and Economics***

Dr. Nehemiah Kiplagat	:	Commerce
Rebecca Cherwon	:	Hospitality and Procurement
Luka Kiptui	:	Economics

- ***School of Law***

Jaini Shah	:	Commercial Law
Joseph Omolo	:	Public Law
Jared Gikombe	:	Private Law

- ***School of Music and Media***

Dr. Patrick Monte	:	Music and Performing Arts
Dr. Michael Ndonge	:	Mass Communication

- ***School of Pharmacy***

Mary Murithi	:	Pre-Clinical (Pharmacy)
Dr. Richard Kagia Njunge	:	Pharmacology and Pharmacognosy
Dr. Julia Janet Ouma	:	Pharmaceutical Chemistry and Pharmaceutics

Kabarak University Students Organization (KUSO)

Loraine Chemutai Koskei	:	President, Kabarak University Students Organization (KUSO)
Moses Ogoti	:	General Secretary, KUSO

SCHOOLS AND ACADEMIC PROGRAMS

SCHOOL OF BUSINESS AND ECONOMICS

Doctor of Philosophy in Business Administration

The program will provide learners with the ability to enhance their conceptual, analytical and management skills in fostering research and development in business administration.

Minimum Admission Requirements

Master of Business Administration or equivalent Masters degree in the relevant area earned from Kabarak University or universities recognized by the Commission for University Education.

Expected Learning Outcomes

Upon successful completion of this programme, graduates will be able to:

- a) Design research that contributes to the creation of knowledge in the business and management arena.
- b) Analyze the relevance of current and emerging business theory and practice from an interdisciplinary perspective.
- c) Apply current research and literature to practical problems found in business and management.
- d) Formulate effective solutions to complex, real-world problems common to the practice of business and management.
- e) Evaluate and critic scholarly research in business and management.

Graduation Requirements

To qualify for graduation, students enrolled in the PhD in Business Administration programme shall:

- a) pass all courses and complete a total of 54 credit factors divided as follows:

- 5 core units = 15 CFS
- Four (4) specialization unit = 12 CFS
- Thesis = 27CFS

54 CFS

- b) publish at least two journal articles in selected peer reviewed journals from their thesis work

Program Structure

Year One Semester One

Code	Course Title	L	P/T	CF
DPBA 710	Research Methodologies for Managerial Decision Making	45	0	3.0
DPBA 711	Advanced Statistics for Business	45	0	3.0
DPBA 712	Financial Economics	45	0	3.0
	TOTAL	135	0	9

Year One Semester Two

Code	Course Title	L	P/T	CF
DPBA 720	Business Consulting and Strategy	45	0	3.0
DPBA 721	Econometrics	45	0	3.0
	Specialization Unit			

Areas of specialization

1. Finance
2. Accounting
3. Marketing
4. Strategic Management
5. Entrepreneurship
6. Human Resource Management
7. Management Information Systems
8. Operations Management

Year One Semester Two - Specialization Courses Finance

Code	Course Title	L	P/T	CF
DPBA 722	Finance Theory	45	0	3.0
	TOTAL	135	0	9

Accounting

Code	Course Title	L	P/T	CF
DPBA 723	Accounting Theory	45	0	3.0
	TOTAL	135	0	9

Marketing

Code	Course Title	L	P/T	CF
DPBA 724	Marketing Theory	45	0	3.0
	TOTAL	135	0	9

Strategic Management Option

Code	Course Title	L	P/T	CF
DPBA 725	Theoretical Foundations of Strategic Management	45	0	3.0
	TOTAL	135	0	9

Entrepreneurship

Code	Course Title	L	P/T	CF
DPBA 726	Entrepreneurship Theory and Behaviour	45	0	3.0
	TOTAL	135	0	9

Human Resource Management Option

Code	Course Title	L	P/T	CF
DPBA 727	Advanced Theory and Practice in Human Resource Management	45	0	3.0
	TOTAL	135	0	9

Management Information Systems

Code	Course Title	L	P/T	CF
DPBA 728	Foundations for Information Systems and Management Research	45	0	3.0
	TOTAL	135	0	9

Operations Management

Code	Course Title	L	P/T	CF
DPBA 729	Decision Models and Analysis	45	0	3.0
	TOTAL	135	0	9

Year Two Semester One Finance

Code	Course Title	L	P/T	CF
DPBA 810	Advanced Financial Management	45	0	3.0
DPBA 811	Market Micro Structure	45	0	3.0
DPBA 812	Advanced Research Seminar in Finance	45	0	3.0
	TOTAL	135	0	9

Accounting

Code	Course Title	L	P/T	CF
DPBA 813	Corporate Financial Reporting	45	0	3.0
DPBA 814	Forensic Accounting	45	0	3.0
DPBA 815	Advanced Research Seminar in Accounting	45	0	3.0
	TOTAL	135	0	9

Marketing

Code	Course Title	L	P/T	CF
DPBA 816	Marketing Analytics	45	0	3.0
DPBA 817	Digital Marketing	45	0	3.0
DPBA 818	Advanced Research Seminar in Marketing	45	0	3.0
	TOTAL	135	0	9

Strategic Management Option

Code	Course Title	L	P/T	CF
DPBA 819	Management of Strategic Management	45	0	3.0

DPBA 820	Global Strategic Change	45	0	3.0
DPBA 821	Advanced Research Seminar in Strategic Management	45	0	3.0
	TOTAL	135	0	9

Entrepreneurship

Code	Course Title	L	P/T	CF
DPBA 822	Entrepreneurship Policy Framework Policy	45	0	3.0
DPBA 823	Entrepreneurship and Innovation	45	0	3.0
DPBA 824	Advanced Research Seminar in Entrepreneurship	45	0	3.0
	TOTAL	135	0	9

Human Resource Management Option

Code	Course Title	L	P/T	CF
DPBA 825	Strategic Leadership and Managing Change	45	0	3.0
DPBA 826	Advanced Organizational Psychology	45	0	3.0
DPBA 827	Advanced Research Seminar in HRM	45	0	3.0
	TOTAL	135	0	9

Management Information Systems

Code	Course Title	L	P/T	CF
DPBA 828	Information Systems Strategy and Planning	45	0	3.0
DPBA 829	Information Security Management	45	0	3.0
DPBA 830	Advanced Research Seminar in Operations Management Seminar	45	0	3.0
	TOTAL	135	0	9

Operations Management

Code	Course Title	L	P/T	CF
DPBA 831	Advanced Operations Management	45	0	3.0
DPBA 832	Multivariate Statistical Analysis	45	0	3.0
DPBA 833	Advanced Research Seminar in Management Information Systems	45	0	3.0
	TOTAL	135	0	9

Year II Semester II

Code	Course Title	L	P/T	CF
DPBA 834	Thesis	45	0	3.0
DPBA 834	Thesis	45	0	3.0
DPBA 834	Thesis	45	0	3.0
	TOTAL	135	0	9

Year III Semester I

Code	Course Title	L	P/T	CF
DPBA 834	Thesis	45	0	3.0
DPBA 834	Thesis	45	0	3.0
DPBA 834	Thesis	45	0	3.0
	TOTAL	135	0	9

Year III Semester II

Code	Course Title	L	P/T	CF	
DPBA 834	Thesis	45	0	3.0	
DPBA 834	Thesis	45	0	3.0	
DPBA 834	Thesis	45	0	3.0	
		TOTAL	135	0	9

Doctor of Philosophy in Finance

Goal of the Programme

The goal of the course is to provide students with the ability to enhance the analytical and conceptual skills in specific areas of finance, conduct research on relevant and contemporary issues, including pricing and trading financial instruments, corporate finance, corporate governance, and interactions with financial markets and make an original and significant contribution to knowledge in banking and finance.

Minimum admission requirements

Master of Business Administration (Finance) or equivalent Masters degree in the relevant area earned from Kabarak University or universities recognized by the Commission for University Education.

Expected Learning Outcomes

Upon successful completion of this programme, graduates will be able to:

- a) Explain the concept of the time value of money and be able to use basic time value concepts to make basic capital investment decisions, and analyze and value securities, including debt and equity instruments.
- b) Identify the characteristics of the principle asset classes and key securities to be able to evaluate their appropriateness as investments in a broad range of portfolio applications.
- c) Use the concepts of the time value of money, the risk/expected return relationship and asset-class and security diversification, to construct an investment portfolio that satisfies a hypothetical client's objectives and constraints.
- d) Apply the principle analytical skills and tools used in finance.
- e) Apply professional ethics appropriately in all business-related decisions
- f) Evaluate the recent developments in research on financial markets

Graduation Requirement

To qualify for graduation, students enrolled in the PhD in Finance programme must attain a minimum of fifty-four (54) credit factors in order to qualify for graduation as follows:

- | | |
|------------------------|---------------------|
| • 9 core units * 3 CFS | =27 CFS |
| • A thesis | <u>= 27 CFS</u> |
| | <u>54CFS</u> |

Candidates must publish at least two journal articles in selected peer-reviewed journals from their thesis work

Program Structure

The Programme shall take a minimum of three years and a maximum of six years. The Programme consists of a total of Eighteen (18) units comprising of nine (9) course work units and thesis (9 units). Students will take a maximum of three (3) coursework units per semester. Candidates must complete pre-requisite courses before registering for other courses. On successful completion of the course work, candidates are required to carry out thesis.

Year One Semester One

Code	Course Title	L	P/T	CF
DPIF 710	Behavioural Finance	45	0	3.0
DPIF 711	Finance Theory	45	0	3.0
DPIF 712	Econometrics	45	0	3.0
	TOTAL	135	0	9.0

Year One Semester Two

Code	Course Title	L	P/T	CF
DPIF 720	Christian Worldview and Philosophical Foundations	45	0	3.0
DPIF 721	Investment Management	45	0	3.0
DPIF 722	Empirical Finance	45	0	3.0
	TOTAL	135	0	9.0

Year Two Semester One

Code	Course Title	L	P/T	CF
DPIF 810	Advanced Financial Management	45	0	3.0
DPIF 811	Market Micro Structure	45	0	3.0
DPIF 812	Advanced Seminar In Finance	45	0	3.0
	TOTAL	135	0	9.0

Year Two Semester Two

Code	Course Title	L	P/T	CF
DPIF 820	Thesis	45	0	3.0
DPIF 820	Thesis	45	0	3.0
DPIF 820	Thesis	45	0	3.0
	TOTAL	135	0	9.0

Year Three Semester One

Code	Course Title	L	P/T	CF
DPIF 820	Thesis	45	0	3.0
DPIF 820	Thesis	45	0	3.0
DPIF 820	Thesis	45	0	3.0
	TOTAL	135	0	9.0

Year Three Semester Two

Code	Course Title	L	P/T	CF
DPIF 820	Thesis	45	0	3.0
DPIF 820	Thesis	45	0	3.0
DPIF 820	Thesis	45	0	3.0
	TOTAL	135	0	9.0

Master of Business Administration (MBA)

Program Goal

The curriculum is designed to provide postgraduate education with a commitment to the Christian way of life and seeks to enable graduates to realize their own potential for leadership in the field of Business; acquire business knowledge, skills and attitudes which will adequately empower those who wish to be managers, accountants, marketers, financial analysts, business planners; and develop research techniques and skills that will enable them to solve problems in various research fields.

Minimum Admission Requirements

At least an upper second class honours undergraduate degree in business studies or any related field.

OR

A second class lower division undergraduate degree in business or any related field with at least two years of work experience in a business environment.

OR

A pass undergraduate degree in business or any related field with a minimum of three years of work experience.

Expected Learning Outcomes of the Programme

At the end of the programme, a graduate of the Master of Business Administration is expected to:

- 1) Demonstrate a clear comprehension of the theory and substance of management principles and practices in a biblical perspective.
- 2) Effectively utilize the skills and tools of management required in the various managerial positions in the industry.
- 3) Communicate clearly and logically with clients and other players in the business sector.
- 4) Efficiently carry out research on business administration issues.

Program Structure

Common Courses (Year 1 Semester 1)

	CF	CH
BMGT 500: Management Principles and practices in a biblical perspective	3	45
MKTG 510: Marketing Management	3	45
OMGT 510: Quantitative Techniques	3	45

ACCT 510:	Financial Accounting	3	45
HRMT 510:	Human Resource Management	3	45
FNCE 510:	Financial Management	3	45
BMGT 510:	Business Law and Ethics	3	45

Year 1 Semester 2

BMGT 520:	Research Methods	3	45
MIST 520:	Management Information Systems	3	45
SMGT 520:	Strategic Management	3	45
ACCT 520:	Managerial Accounting	3	45
ECON 520:	Managerial Economics	3	45
BMGT 620	Research Project	3	45
			945

Specialization Courses

Accounting

Core Courses

Year 2 Semester 1

ACCT 620:	Auditing	3	45
ACCT 621:	Taxation	3	45
ACCT 622:	Advanced Financial Accounting	3	45
ACCT 623:	Accounting Seminar	3	45

Electives

ACCT 624:	International Accounting	3	45
ACCT 625:	Advanced Managerial Accounting	3	45
ACCT 626:	Accounting Information Systems	3	45
ACCT 627:	Public Sector Accounting	3	45
ACCT 628:	Advanced Auditing and Investigations	3	45
ACCT 629:	Environmental Accounting	3	45

Finance

Core Courses

Year 2 Semester 1

FNCE 620:	Financial Markets and Institutions	3	45
FNCE 621:	Investment Analysis and Portfolio Management	3	45
FNCE 622:	Corporate Financial Management	3	45
FNCE 623:	Finance Seminar	3	45

Electives

FNCE 624:	Financial Economics	3	45
FNCE 625:	Financial Statement Analysis and Reporting	3	45
FNCE 626:	Money and Banking	3	45
FNCE 628:	International Financial Management	3	45

Operations Management**Core Courses:****Year 2 Semester 1**

OMGT 620:	Operations Research	3	45
OMGT 621:	Production and Operations Management	3	45
OMGT 622:	Project Management	3	45
OMGT 623:	Operations Management Seminar	3	45

Electives

OMGT 624:	Managing Service Operations	3	45
OMGT 625:	Forecasting and Multivariate Statistical Analysis	3	45
OMGT 626:	Procurement and Supplies Management	3	45

Management Information Systems**Core Courses****Credits****Year 2 Semester 1**

MIST 620:	Information Systems Analysis and Design	3	45
MIST 621:	Decision Support and Expert Systems	3	45
MIST 622:	Database Management Systems	3	45
MIST 623:	Management Information System Seminar	3	45

Electives

MIST 624:	Distributed Systems and Networks	3	45
MIST 625:	Telecommunications and Network Applications	3	45

MIST 626: Data and Information Management Services 3 45

Human Resource Management

Core Courses

Year 2 Semester 1

HRMT 620: Industrial Relations and Law 3 45

HRMT 621: Organizational Theory and Behaviour 3 45

HRMT 622: Human Resource Training and Development 3 45

HRMT 623: Human Resource Management Seminar 3 45

Electives

HRMT 624: Human Resource Information Systems 3 45

HRMT 625: Global Strategic Human Resource Management 3 45

HRMT 626: Employee Sourcing and Maintenance 3 45

Marketing

Core Courses

Year 2 Semester 1

MKGT 620: Marketing Research 3 45

MKGT 621: Consumer Behaviour 3 45

MKGT 622: Marketing of Services 3 45

MKGT 623: Marketing Seminar 3 45

Electives

MKGT 624: Global Marketing Management 3 45

MKGT 625: Marketing Communication Strategy 3 45

MKGT 626: Marketing Channels 3 45

MKGT 627: Sales Management 3 45

MKGT 628: Strategic Marketing 3 45

MKGT 629: Relationship Marketing 3 45

Entrepreneurship Management

Core Courses

Year 2 Semester 1

ENTR 620: Entrepreneurship and Small Business Management 3 45

ENTR 621:	Social Entrepreneurship	3	45
ENTR 622:	Microfinance Management	3	45
ENTR 623:	Seminar in Entrepreneurship	3	45
Electives			
ENTR 624:	Entrepreneurial Marketing	3	45
ENTR 625:	Business Counseling and Consultancy	3	45
ENTR 626:	Global Entrepreneurship	3	45
ENTR 627:	Creativity, Innovation and Technology	3	45
ENTR 628:	Electronic Entrepreneurship	3	45

Strategic Management

Core Courses

Year 2 Semester 1

SMGT 620:	Global Strategic Management	3	45
SMGT 621:	Advanced Strategic Management	3	45
SMGT 622:	Management of Strategic Change	3	45
SMGT 623:	Strategic Management Seminar	3	45
Electives			
SMGT 624:	Leadership and Organizational Behaviour	3	45
SMGT 625:	Techniques of Strategic Management	3	45
SMGT 626:	Strategic Management of Technology and Innovation	3	45
SMGT 627:	Business and Society	3	45
SMGT 628:	Corporate Strategic Management	3	45
SMGT 629:	Organisation Development and Change	3	45

Master of Organizational Development

Goal of the Programme

- i. To provide participants with knowledge and application of theories, values, ethics, processes and practices of Organization Development to their workplace, communities and/or personal lives.
- ii. To provide to participants the theories, methodologies, and tools to motivate people and manage organizational change
- iii. To develop participants leadership and team-building capabilities
- iv. Help students will develop interpersonal and leadership competencies for lifelong learning in themselves and others.
- v. To enhance learning and listening skills and make participants creative strategists and self-aware of effective conflict resolutions

Minimum Admission Requirements

The following shall be eligible for admission for the into The Master of Science in Human Resource Management

- i. Holders of relevant Bachelor's degree with second class honours (upper division) or above from Kabarak University or any other university recognized by CUE;
- ii. Holders of relevant Bachelor's degree with second class honours (lower division) from Kabarak University or any other University recognized by CUE, with at least two years proven work experience;
- iii. A holder of a relevant first degree with a pass and at least four or more years of relevant work experience

Expected Learning Outcomes of the Programme

Upon successful completion of this programme, graduates will be able to:

- i. Explain the theoretical basis of organizational development and change;
- ii. Demonstrate leadership skills and engage in lifelong experiential learning to become an agent for change
- iii. Describe HR strategies that contribute to effective organizational change and development interventions.

- iv. Engage in specific specialist processes of organizational change and development.
- v. Synthesize new and existing knowledge by undertaking academic or specialist organizational change and development research.

Graduation Requirements

- i. The student must attain a minimum of sixty-three (63) credit factors in order to qualify for graduation as follows:
 - 12 core units * 3 CFS = 36 CFS
 - Six (6) specialization unit * 3 CFS = 18 CFS
 - Project = 9 CFS

63 CFS
- ii. Research shall form an integral part of a master’s degree programme and shall constitute not less than one third (1/3) of the entire programme structure (CUE guidelines page 48)
- iii. The student must publish at least one academic journal article and submit a proof that the article has been accepted for publication in order to qualify for graduation

Program Structure

PART I

Year One Semester One

Code	Course Title	P	L	P/T	CF
MSOD 510	Introduction to Organization Development		45	0	3.0
MSOD 511	Accounting and Financial Fundamentals		45	0	3.0
OMGT 511	Statistics for Business Research		45	0	3.0
HRMT 510	Human Resource Management		45	0	3.0
MSOD 512	Organization Behavior		45	0	3.0
BMGT 500	Principles of Management in Biblical Perspective		45	0	3.0
	TOTAL		270	0	18

Year One Semester Two

Code	Course Title	P	L	P/T	CF
MSOD 520	Leading Organizational Change	MSOD 510	45	0	3.0
SMGT 520	Strategic Management		45	0	3.0
MSOD 521	Consulting Theory and Practice In Organizational Development	BMGT 500	45	0	3.0
BMGT 520	Research Methods for Business	OMGT 511	45	0	3.0
MSOD 522	Management of Organizational Culture		45	0	3.0
MSOD 523	Theory and Practice of Negotiation		45	0	3.0
	TOTAL		225	0	18

Thematic areas of specialization

- i. Knowledge Management
- ii. Human Resource Management

Year Two Semester one

Knowledge Management

CORE UNITS

Code	Course Title	P	L	P/T	CF
MSOD 610	Theory and Practice of Knowledge Management		45	0	3.0
MSOD 611	Organization learning: Methods and Practices		45	0	3.0
MSOD 612	Emotional Intelligence and Managerial effectiveness		45	0	3.0
MSOD 613	Managing and Measuring Intellectual Capital		45	0	3.0
	(Plus two` (2) electives		90	0	6.0
	TOTAL		180	0	18

GENERAL ELECTIVE UNITS

Code	Course Title	P	L	P/T	CF
MSOD 614	Leadership Development		45	0	3.0
MSOD 615	Managing Quality in Organizations		45	0	3.0
MSOD 616	Management Information Systems		45	0	3.0
MSOD 617	Intellectual Property Management and Strategies		45	0	3.0

Human Resource Management

CORE UNITS

Code	Course Title	P	L	P/T	CF
MSOD 611	Organization learning: Methods and Practices		45	0	3.0
MSOD 619	Managing performance and Careers		45	0	3.0
MSOD 620	Reward Management		45	0	3.0
MSOD 621	Human Resource Development		45	0	3.0
	(Plus two (2) electives)		90	0	6.0
	TOTAL		180	0	18

GENERAL ELECTIVE UNITS

Code	Course Title	P	L	P/T	CF
MSOD 622	Diversity and Conflict Management		45	0	3.0
MSOD 623	Global Human Resource Management		45	0	3.0
MSOD 612	Emotional Intelligence and Managerial effectiveness		45	0	3.0
MSOD 625	Human Resource Information System		45	0	3.0

PART II

MSOD 630	Research Project/Thesis		45	0	3.0
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Master of Science in Finance

Goal of the Program

The program will provide learners with a comprehensive curriculum grounded in fundamental economic principles to develop specialized knowledge and skills as well as insights into innovative methodologies. In addition, the professional development program provides outstanding support and mentorship to help achieve career objectives within the highly competitive finance industry.

Minimum Admission Requirements

Bachelor's degree Second Class Honours (Upper Division) in Finance, Accounting, Banking, Insurance, and Economics or its equivalent; OR Lower Division with 2 years of relevant work experience.

Expected Learning Outcomes

Upon successful completion of this programme, graduates will be able to:

1. Explain the recent developments in the financial markets, particularly the derivative markets.
2. Integrate paradigms into the practice of financial management in organizations, whether commercial or non-commercial, domestic or global.
3. Apply a good working knowledge of accounting information and its use in financial decision taking and analysis.
4. Apply the analysis developed in the course in financial management, international finance, security analysis, and portfolio management.
5. Analyze problems, consider alternative approaches and choose appropriate solutions.

Graduation Requirements

To qualify for graduation, students enrolled in the Master of Science in Finance programme shall complete a minimum of 63 credit factors divided as follows:

- 12 core units * 3 CFS = 36 CFS
 - Six (6) specialization unit * 3 CFS = 18 CFS
 - A thesis/project = 9 CFS
- 63 CFS**

Program Structure

Year One Semester One

Code	Course Title	L	P/T	CF
BMGT 500	Principles of Management in Christian World View	45	0	3.0
ECON 510	Managerial Economics	45	0	3.0
MFIN 510	Corporate Financial Reporting	45	0	3.0
OMGT 511	Statistics for Business Research	45	0	3.0
MFIN 510	Bond and Equity Investment Management	45	0	3.0
MFIN 511	Corporate Financial Management	45	0	3.0
TOTAL		270	0	18

Year One Semester Two

Code	Course Title	P	L	P/T	CF
MFIN 520	Financial Econometrics & Forecasting	ECON 510	45	0	3.0
MFIN 521	Portfolio Theory and Management	MFIN 510	45	0	3.0
ENTRE 520	Entrepreneurship & Small Business Mgt		45	0	3.0
BMGT 520	Research Methods for Business	OMGT 511	45	0	3.0
MFIN 523	Public Sector Finance	MFIN 511	45	0	3.0
MIST 520	Management Information Systems		45	0	3.0
TOTAL			270	0	18

Thematic areas of specialization

- i) Finance and Investment Analysis
- ii) Finance and Banking

Year Two Semester One

Finance and Investment Analysis

CORE UNITS

Code	Course Title	L	P/T	CF
MFIN 620	Investment Banking	45	0	3.0
MFIN 621	Real Estate Finance and Investments	45	0	3.0
MFIN 622	Financial Risk Management	45	0	3.0
MFIN 623	Finance and Investment Analysis Seminar	45	0	3.0
	(Plus two (2) electives)	90	0	6.0
TOTAL		180	0	18

GENERAL ELECTIVE UNITS

Code	Course Title	L	P/T	CF
MFIN 624	International Financial Management	45	0	3.0
MFIN 625	Derivative Markets and Pricing	45	0	3.0
MFIN 626	Economic Development Finance	45	0	3.0

Finance and Banking Management

CORE UNITS

Code	Course Title	L	P/T	CF
MFIN 627	Monetary and Treasury Management	45	0	3.0
MFIN 628	Financial Institutions, Markets and Banking	45	0	3.0
MFIN 629	Financial Risk Management	45	0	3.0
MFIN 630	Finance and Banking Management Seminar	45	0	3.0
	(Plus two (2) electives	90	0	6.0
	TOTAL	180	0	18

GENERAL ELECTIVE UNITS

Code	Course Title	L	P/T	CF
MFIN 631	International Financial Markets and Banking	45	0	3.0
MFIN 632	Banking Theory and Practice	45	0	3.0
MFIN 633	International Financial Markets	45	0	3.0
MFIN 634	Micro-finance for Development	45	0	3.0

PART II

MFIN 635	Research Project/Thesis	45	0	6.0
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Master of Science in Human Resource Management

Programme Goals

- vi. To provide participants concepts and principles that relate to processes and practices of Human Resource Management.
- vii. To provide participants with the methodologies and techniques necessary to manage the Human Resource function.
- viii. To critically examine successful models of effective Human Resource operations and leadership
- ix. To help learners identify and critically analyze the current trends and challenges in management of Human Resources

Minimum Admission Requirements

The following shall be eligible for admission for the into The Master of Science in Human Resource Management

- a) Holders of relevant Bachelor's degree with second class honours (upper division) or above from Kabarak University or any other university recognized by CUE;
- b) Holders of relevant Bachelor's degree with second class honours (lower division) from Kabarak University or any other University recognized by CUE, with at least two years proven work experience;
- c) A holder of a relevant first degree with a pass and at least four or more years of relevant work experience

Expected Learning Outcomes for the Programme

Upon successful completion of this programme, graduates should be able to:

- 1) Demonstrate an understanding of the theoretical and practical basis of Human Resource Management
- 2) Analyze the techniques and practices that will help in effective management the Human Resource function.
- 3) Critically analyze HR functions in an organization and the contribution of HR to the success of an organization.
- 4) Develop knowledge and managerial thinking as well as values and ethics in HR practices that contribute positively to organizations effectiveness.
- 5) Develop models and apply effective Human Resource Management processes and systems

Graduation Requirements

a) The student must attain a minimum of sixty-three (63) credit factors in order to qualify for graduation as follows:

- 12 core units * 3 CFS = 36 CFS
- Six (6) specialization unit * 3 CFS = 18 CFS
- Project = 9 CFS

63 CFS

b) Research shall form an integral part of a master's degree programme and shall constitute not less than one third ($\frac{1}{3}$) of the entire programme structure (CUE guidelines page 48)

c) The student must publish at least one academic journal article and submit a proof that the article has been accepted for publication in order to qualify for graduation

Program Structure

PART I

Year One Semester One

Code	Course Title	P	L	P/T	CF
MSHRM 511	Theory and Practice of Human Resource Management		45	0	3.0
MSHRM 512	Accounting for Management		45	0	3.0
MSHRM 513	Statistics for Business Research		45	0	3.0
MSHRM 514	Organizational behavior		45	0	3.0
MSHRM 515	Labour laws and Employee Relations		45	0	3.0
BMGT 516	Principles of Management and Christian Ethics (Biblical Perspective)		45	0	3.0

	TOTAL		270	0	18
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Year One Semester Two

Code	Course Title	P	L	P/T	CF
MSHRM 521	Human Resource Information System		45	0	3.0
MSHRM 522	Human Resource Development		45	0	3.0
MSHRM 523	Reward Management		45	0	3.0
MSHRM 524	Research Methods for Business		45	0	3.0
MSHRM 525	Strategic Management		45	0	3.0
MSHRM 526	Managing performance and Careers		45	0	3.0
	TOTAL		225	0	18

Year Two Semester one

Code	Course Title	P	L	P/T	CF
MSHRM 611	Global Human Resource Management		45	0	3.0
MSHRM 612	Employee Resourcing and Talent management		45	0	3.0
MSHRM 613	Strategic Human Resource Management		45	0	3.0
MSHRM 614	Theory and Practice of HR consultancy		45	0	3.0
MSHRM615	Organizational Change and culture management		45	0	3.0
	(Plus one (1) electives)		90	0	6.0
	TOTAL		180	0	18

GENERAL ELECTIVE UNITS

Code	Course Title	P	L	P/T	CF
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MSHRM 616	Leadership and Organization change		45	0	3.0
MSHRM 617	Emotional Intelligence and Managerial effectiveness		45	0	3.0
MSHRM 618	Theory and practice of negotiation		45	0	3.0
MSHRM 619	Diversity and Conflict Management		45	0	3.0
MSHRM 610	Managing the HR enterprise		45	0	3.0

PART II

MSHRM 621	Research Project/Thesis				
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Master of Science in Project Management

Goal of the Programme

The course goal of the programme is to provide learners with advanced theoretical and applied analysis in the field of project and programme management in the context within which the student can generate new innovative and novel solutions to real problems encountered by project management practitioners.

Expected Learning Outcomes of the Programme

Upon successful completion of this programme, graduates will be able to:

1. Apply contemporary models in selection, planning, implementation and evaluation of projects
2. Effectively manage the constraints in project management; cost, time, and scope/ quality
3. Prepare project charters including statements of requirements, analysis of risks and specifications of work packages and resources,
4. Produce project reports on execution of projects and lessons learned
5. Apply common techniques and tools used in project management to manage scope, time, cost and quality

Minimum Admission Requirements

Bachelors degree with second class honours (upper division) or above from Kabarak University or any other university recognised by CUE; OR second class honours (lower division) from Kabarak University or any other University recognised by CUE, with at least two years proven work experience after graduation.

Graduation Requirements

i. Total Credit Factors

- d) The student must attain a minimum of sixty-three (63) credit factors in order to qualify for graduation as follows:
- 12 core units * 3 CFS = 36 CFS
 - Six (6) specialization unit * 3 CFS = 18 CFS

- Project = 9 CFs
63 CFs

Program Structure

PART I

Year One Semester One

Code	Course Title	L	P/T	CF
BMGT 500	Principles of Management in Biblical Perspective	45	0	3.0
ENTRE 510	Entrepreneurship and Small Business Management			
FNCE 510	Financial Management			
MPM 510	Project Management Theory	45	0	3.0
OMGT 511	Statistics for Business Research	45	0	3.0
MPM 512	Project Finance for infrastructure projects	45	0	3.0
MPM 513	Project Integration and Procurement Management	45	0	3.0
	TOTAL	325	0	21

Year One Semester Two

Code	Course Title	P	L	P/T	CF
BMGT 520	Research Methods for Business	OMGT 911	45	0	3.0
ECON 520	Managerial Economics		45	0	3.0
MIST 520	Management Information Systems				
MPM 520	International Project Management	MPM 910	45	0	3.0
MPM 521	Project Risk and Quality Management	MPM 910	45	0	3.0
MPM 522	Project Management and Control	MPM 910	45	0	3.0
	TOTAL		270	0	18

Year Two Semester one

Code	Course Title	P	L	P/T	CF
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MPM 620	Project Monitoring and Evaluation	MPM 920	45	0	3.0
MPM 621	Organizational Behavior	MPM 920	45	0	3.0
MPM 622	Operation Research	MPM 917	45	0	3.0
MPM 623	Project Management Seminar		45	0	3.0
	(Plus two (2) electives		90	0	6.0
	TOTAL		270	0	18

GENERAL ELECTIVE UNITS

Code	Course Title	L	P/T	CF
MPM 624	Project Planning and Appraisal			
MPM 625	Environmental Law & Human Rights Issues	45	0	3.0
MPM 626	Conflict Management and Dispute Resolution	45	0	3.0
MPM 627	Real Estate Finance and Investments	45	0	3.0
MPM 628	Project Quality Management	45	0	3.0
MPM 629	Operations Management	45	0	3.0

PART II

MPB 630	Research Project/Thesis	45	0	6.0
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Bachelor of Business Information Technology

Goal of the program

The general purpose of the program is to train and equip learners with knowledge and skills in Business Information Technology to enable them provide expertise in the public or private sector organizations or pursue further studies in the field.

Minimum Admission Requirements

KCSE minimum Mean grade C+ with C in Mathematics and English

Expected Learning Outcomes

Upon successful completion of this course it is expected that graduates will be able to:

2. Interpret fundamental IT concepts and apply the principles of Information Technology in modern organizations.
3. Integrate the theory and practice of information technology with the fundamental principles of business management, financial management, operations management, strategic planning, and marketing.
4. Examine the influences of technology on business operations, e-commerce and globalization of business.
5. Identify the prevailing legal principles and ethical issues associated with information technology in the workplace.
6. Appraise the principles and practices of database systems, information technology project planning, information systems and information security.

Graduation Requirements

To qualify for graduation, students enrolled in this course shall complete a minimum of **168** credit factors divided as follows:

- a) University Common Courses: 6 courses x 3 Cf's = **18** credit factors
- b) Core Courses in Business and IT: 50 courses x 3 Cf's = 150 credit factors

Program Structure

Y1 S1	<u>L</u>	<u>P/T</u>	<u>C.F.</u>
BIBL 110: Old Testament Survey	45	0	3.0
ACCT 110: Foundations of Accounting I	45	0	3.0

BMGT 111: Introduction to Business	45	0	3.0
ECON 110: Introduction to Microeconomics	45	0	3.0
COMS 110: Communication Skills	45	0	3.0
MATH 100 General Mathematics	45	0	3.0
BBIT 111: Introduction to Information Technology	30	30	3.0
	300	30	21.0
Y1 S2			
BIBL 120: New Testament Survey	45	0	3.0
ACCT 120: Foundations of Accounting II	45	0	3.0
BMGT 123: Principles of Management	45	0	3.0
ECON 120: Introduction to Macroeconomics	45	0	3.0
MATH 126 Business Mathematics	45	0	3.0
BBIT 112: Introduction to Application Software	30	30	3.0
BBIT 113: Fundamentals of Computer Programming	<u>30</u>	<u>30</u>	3.0
	<u>285</u>	<u>60</u>	<u>21.0</u>
	585	90	42.0
Y2 S1			
BIBLE 210: The Redemption Story	45	0	3.0
BMGT 210: Business Statistics I	45	0	3.0
BMGT 213: Human Resource Management	45	0	3.0
BBIT 121: Fundamentals of Database Mgt systems	30	30	3.0
BBIT 124: Structured Programming	30	30	3.0
BBIT 216: Computer Organization and Architecture	30	30	3.0
BBIT 122 : Data Communication and Networks	30	30	3.0
	255	120	21.0
Y2 S2			
BIBL 222: Christian Ethics	45	0	3.0
BMGT 221: Business Communication and writing skills	45	0	3.0
BMGT 220: Business Statistics II	45	0	3.0

FNCE 220: Business Finance	45	0	3.0
MKTG 220: Principles of Marketing	45	0	3.0
BBIT 215 : Object Oriented Programming with C++	30	30	3.0
BBIT 220: Computer Operating Systems	30	30	3.0
	<u>285</u>	<u>60</u>	<u>21.0</u>
	540	180	42.0
Y3 S1		P/T	C.F.
BMGT 310: Organizational Behavior	45	0	3.0
BMGT 313: Business Law I	45	0	3.0
ACCT 314: Cost Accounting	45	0	3.0
BBIT 221 Web Applications Programming	30	30	3.0
BBIT 312 Visual basic programming	30	30	3.0
BBIT 313 System Analysis and Design	30	30	3.0
BBIT 223 Object Oriented Programming with Java	30	30	3.0
	<u>30</u>	<u>30</u>	<u>3.0</u>
	255	120	21.0
Y3 S2			
BMGT 320: Research Methods	45	0	3.0
BBIT 322: Management Information Systems	30	30	3.0
BBIT 321 Distributed Systems	30	30	3.0
BBIT 325 Object Oriented Analysis and Design	30	30	3.0
BBIT 326 Software Engineering	30	30	3.0
BBIT 323 Software projects Management	30	30	3.0
BBIT 331 e-Commerce	30	30	3.0
	30	30	3.0
YEAR TOTAL	<u>225</u>	<u>180</u>	<u>21.0</u>
INDUSTRIAL ATTACHMENT (8 WEEKS)	<u>525</u>	<u>270</u>	<u>42.0</u>

Y4 S1					
INTE 414:	IT Project I		30	30	3.0
BMGT 410:	Operations Research		45	0	3.0
BMGT 413:	Strategic Management		45	0	3.0
BMGT 414:	Entrepreneurship		45	0	3.0
BBIT 412:	Multimedia Systems		30	30	3.0
BBIT 431:	Decision Support Systems		30	30	3.0
BBIT 442:	Data Warehousing and Data centers management		30	30	3.0
			255	120	21.0
Y4 S2					
INTE 424	IT Project II		30	30	3.0
COMP 420	Professional Ethics and IT Law		45	0	3.0
BMGT 423	Business process Re-engineering		45	0	3.0
BBIT 422	Information systems Security and Audit		30	30	3.0
BBIT 423	Web-based Information Systems		30	30	3.0
BBIT 424	Client and Server Programming		30	30	3.0
BBIT 425	Project management Information Systems		30	30	3.0
			30	30	3.0
			240	150	21.0
YEAR TOTAL			495	270	42.0

Bachelor of Business Management and Information Technology (BMIT)

Business management is offered with IT courses to produce graduates attuned for business management in the digital age.

Minimum Admission Requirements

KCSE C+ with C (plain) in Mathematics and English

Program Courses

Year 1 Semester 1		Credit Factor	Lecture
Hours			
BIBL 110	Old Testament Survey	3	45 Hours
MATH 100	General Mathematics	3	45 Hours
COMS 110	Communication skills	3	45 Hours
BMGT 111	Introduction to Business	3	45 Hours
ECON 110	Introduction to Micro Economics	3	45 Hours
ACCT 110	Foundations of Accounting I	3	45 Hours
INTE 111	Introduction to Information Technology	3	45 Hours
INTE 112	Introduction to Application Software	3	45 Hours
Year 1 Semester 2			
BIBL 120	New Testament Survey	3	45 Hours
MATH 126	Business Mathematics	3	45 Hours
COMS 120	Communication Skills II	3	45 Hours
BMGT 123	Principles of Management	3	45 Hours
ECON 120	Introduction to Macro-Economics	3	45 Hours
ACCT 120	Foundations of Accounting II	3	45 Hours

INTE 113 Fundamentals of Programming	3	45 Hours
INTE 121 Fundamentals of Database Management Systems	3	45 Hours

Year 2 Semester 1

BIBL 210 Redemption Story	3	45 Hours
BMGT 212 Business and Environment	3	45 Hours
BMGT 210 Business Statistics I	3	45 Hours
BMGT 213 Human Resource Management	3	45 Hours
INTE 216 Computer Organization and Architecture	3	45 Hours
INTE 124 Structured Programming	3	45 Hours
COMP 220 Operating System	3	45 Hours

Year 2 Semester 2

BIBL 222 Christian Ethics	3	45 Hours
BMGT 220 Business Statistics II	3	45 Hours
FNCE 220 Business Finance	3	45 Hours
MKTG 220 Principles of Marketing	3	45 Hours
INTE 211 Desktop Applications	3	45 Hours
INTE 122 Data Communication	3	45 Hours
INTE 215 Object Oriented Programming with C++	3	45 Hours

Year 3 Semester 1

BMGT 310 Organization Behaviour	3	45 Hours
BMGT 313 Business Law	3	45 Hours
ACCT 314 Cost Accounting	3	45 Hours
INTE 213 Network and Communication Technology	3	45 Hours
INTE 214 Advanced Database management Systems	3	45 Hours
INTE 313 System Analysis and Design	3	45 Hours
INTE 221 Web Applications Programming	3	45 Hours

Year 3 Semester 2

BMGT 320 Research Methods	3	45 Hours
ACCT 326 Quantitative Techniques	3	45 Hours
FNCE 322 Commercial Banking and Law	3	45 Hours
MKTG 310 Marketing Management	3	45 Hours
INTE 315 E-Commerce	3	45 Hours
INTE 325 Object Oriented Analysis and Design	3	45 Hours
INTE 326 Software Engineering	3	45 Hours

Year 4 Semester 1

BMGT 411 Research Proposal	3	45 Hours
BMGT 413 Strategic Management	3	45 Hours
BMGT 414 Business Entrepreneurship	3	45 Hours
INTE 321 Distributed Systems	3	45 Hours
INTE 322 Management Information Systems	3	45 Hours
INTE 422 IT Security and Audit	3	45 Hours

Year 4 Semester 2

BMGT 422 Research Project	3	45 Hours
BMGT 420 Project Management	3	45 Hours
COMP 420 Professional Ethics and Information Law	3	45 Hours
COMP 326 Object Oriented Programming with Java	3	45 Hours
INTE 412 Multimedia System	3	45 Hours
INTE 413 Mobile Application Programming	3	45 Hours

Bachelor of Commerce

The program prepares students for careers in Human Resource Management, Entrepreneurship Management, Finance, Accounting, Operations Management, Marketing, or Strategic Management

Minimum Admission Requirements

KCSE C+ with C (plain) in Mathematics and English.

Program Structure

Year 1 Semester 1

Hours		Credit Factors	Lecture
BIBL 110:	Old Testament Survey	3	45 Hours
BMGT 111:	Introduction to Business	3	45 Hours
COMP 100:	Introduction to Computer	3	45 Hours
ECON 110:	Introduction to Microeconomics	3	45 Hours
COMS 110:	Communication Skills I	3	45 Hours
MATH 100:	General Mathematics	3	45 Hours
ACCT 110:	Foundations of Accounting 1	3	45 Hours

Year 1 Semester 2

BIBL 120:	New Testament Survey	3	45 Hours
BMGT 121:	Computer Programming for Business	3	45 Hours
ACCT 120:	Foundation Accounting 11	3	45 Hours
BMGT 123:	Principles of Management	3	45 Hours
ECON 120:	Introduction to Macroeconomics	3	45 Hours
FNCE 120:	Management Mathematics 1	3	45 Hours

COMS 120:	Communication Skills II	3	45 Hours
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Year 2 Semester 1

ACCT 211:	Intermediate Accounting 1	3	45 Hours
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BIBLE 210:	The Redemption Story	3	45 Hours
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ECON 210:	Intermediate Microeconomics	3	45 Hours
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BMGT 210:	Business Statistics 1	3	45 Hours
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BMGT 211:	Introduction to Risk and Insurance	3	45 Hours
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BMGT 212:	Management Mathematics 11	3	45 Hours
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BMGT 213:	Human Resource Management	3	45 Hours
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Year 2 Semester 2

BIBL 220:	Comparative Religions	3	45 Hours
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ECON 220:	Intermediate Macroeconomics 11	3	45 Hours
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ACCT 221:	Intermediate Accounting 11	3	45 Hours
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BMGT 220:	Business Statistics 11	3	45 Hours
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BMGT 221:	Business Communication	3	45 Hours
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MKTG 220:	Principles of Marketing	3	45 Hours
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FNCE 220:	Business Finance	3	45 Hours
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ACCOUNTING OPTION

Year 3 Semester 1

BMGT 310:	Organizational Theory	3	45 Hours
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BMGT 313:	Business Law I	3	45 Hours
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ACCT 310:	Principles of Auditing	3	45 Hours
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ACCT 313:	Taxation I	3	45 Hours
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ACCT 314:	Cost Accounting	3	45 Hours
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FNCE 310:	Corporate Finance	3	45 Hours
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Year 3 Semester 2

BMGT 320:	Research Methods	3	45 Hours
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BMGT 322:	Management Information Systems	3	45 Hours
BMGT 323:	Business Law II	3	45 Hours
BMGT 324:	Organizational Behaviour	3	45 Hours
ACCT 322:	Taxation II	3	45 Hours
ACCT 323:	Managerial Accounting	3	45 Hours
ACCT 325:	Accounting Information System	3	45 Hours

Year 4 Semester 1

BMGT 410:	Operations Research	3	45 Hours
BMGT 411:	Research Proposal	3	45 Hours
BMGT 413:	Strategic Management	3	45 Hours
BMGT 414:	Business Entrepreneurship	3	45 Hours
ACCT 411:	Advanced Accounting I	3	45 Hours
ACCT 412:	Auditing Practice & Investigation	3	45 Hours
FNCE 323:	Public Finance	3	45 Hours
	(And any other ONE course from the Faculty)	3	45 Hours

Year 4 Semester 2

BMGT 420:	Project Management	3	45 Hours
BMGT 421:	Business Ethics	3	45 Hours
BMGT 422:	Research Project	3	45 Hours
ACCT 421:	Advanced Accounting II	3	45 Hours
ACCT 422:	International Accounting	3	45 Hours
ACCT 423:	Accounting for Public Agencies	3	45 Hours
	(And any other ONE course from the Faculty)	3	45 Hours

FINANCE OPTION

Year 3 Semester 1

BMGT 310:	Organizational Theory	3	45 Hours
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BMGT 313:	Business Law 1		
ACCT 311:	Financial Statement Analysis	3	45 Hours
ACCT 313:	Taxation 1	3	45 Hours
ACCT 314:	Cost Accounting	3	45 Hours
FNCE 310:	Corporate Finance		45 Hours
FNCE 313:	Money and Banking	3	45 Hours

Year 3 Semester 2

BMGT 320:	Research Methods	3	45 Hours
BMGT 322:	Management Information Systems	3	45 Hours
BMGT 323:	Business Law 11	3	45 Hours
BMGT 324:	Organizational Behaviour	3	45 Hours
FNCE 323:	Public Finance	3	45 Hours
FNCE 324:	Financial Institutions & Market	3	45 Hours
FNCE 325:	E – Finance	3	45 Hours

Year 4 Semester 1

BMGT 410:	Operations Research	3	45 Hours
BMGT 411:	Research Proposal	3	45 Hours
BMGT 413:	Strategic Management	3	45 Hours
BMGT 414:	Business Entrepreneurship	3	45 Hours
FNCE 412:	Security Valuation & Portfolio Selection	3	45 Hours
FNCE 414:	Management of Financial Institutions	3	45 Hours
	(And any other ONE course from the Faculty)	3	45 Hours

Year 4 Semester 2

BMGT 420:	Project Management	3	45 Hours
BMGT 421:	Business Ethics	3	45 Hours
BMGT 422:	Research Project	3	45 Hours
FNCE 423:	Options & Futures Markets	3	45 Hours

FNCE 424:	Real Estate Finance & Investment	3	45 Hours
FNCE 425:	International Finance	3	45 Hours
	(And any other ONE course from the Faculty)	3	45 Hours

HUMAN RESOURCE MANAGEMENT OPTION

Year 3 Semester 1

BMGT 310:	Organizational Theory	3	45 Hours
BMGT 313:	Business Law I	3	45 Hours
ACCT 314:	Cost Accounting	3	45 Hours
HRMT 312:	Labour Relations	3	45 Hours
HRMT 313:	Industrial Psychology	3	45 Hours
HRMT 314:	Human Resource Training & Development	3	45 Hours
	(And any other ONE course from the Faculty)	3	45 Hours

Year 3 Semester 2

BMGT 320:	Research Methods	3	45 Hours
BMGT 322:	Management Information Systems	3	45 Hours
BMGT 323:	Business Law II	3	45 Hours
BMGT 324:	Organizational Behaviour	3	45 Hours
HRMT 324:	Employee Sourcing & Maintenance	3	45 Hours
HRMT 325:	Public Relations	3	45 Hours
	(And any other ONE course from the Faculty)		

Year 4 Semester 1

BMGT 410:	Operations Research	3	45 Hours
BMGT 411:	Research Proposal	3	45 Hours
BMGT 413:	Strategic Management	3	45 Hours
BMGT 414:	Business Entrepreneurship	3	45 Hours

HRMT 411:	Crisis Management	3	45 Hours
HRMT 415:	Labour Law	3	45 Hours

(And any other ONE course from the Faculty)

Year 4 Semester 2

BMGT 420:	Project Management	3	45 Hours
BMGT 421:	Business Ethics	3	45 Hours
BMGT 422:	Research Project	3	45 Hours
HRMT 421:	Safety and Operational Management	3	45 Hours
HRMT 422:	Employee Performance and Appraisal	3	45 Hours
HRMT 423:	Current Issues in Business Leadership	3	45 Hours
HRMT 424:	Group Dynamics in Business Organization	3	45 Hours

(And any other TWO courses from the Faculty)

MARKETING OPTION

Year 3 Semester 1

BMGT 310:	Organizational Theory	3	45 Hours
BMGT 313:	Business Law I	3	45 Hours
MKTG 310:	Marketing Management	3	45 Hours
MKTG 311:	International Marketing	3	45 Hours
MKTG 312:	Consumer Behaviour	3	45 Hours
ACCT 314:	Cost Accounting	3	45 Hours

(And any other ONE course from the Faculty)

Year 3 Semester 2

BMGT 320:	Research Methods	3	45 Hours
BMGT 322:	Management Information Systems	3	45 Hours
BMGT 323:	Business Law II	3	45 Hours

BMGT 324:	Organizational Behaviour	3	45 Hours
MKTG 321:	Marketing Communication	3	45 Hours
MKTG 323:	E - Marketing	3	45 Hours
MKTG 324:	Brand Marketing	3	45 Hours

Year 4 Semester 1

BMGT 410:	Operations Research	3	45 Hours
BMGT 411:	Research Proposal	3	45 Hours
BMGT 413:	Strategic Management	3	45 Hours
BMGT 414:	Business Entrepreneurship	3	45 Hours
BMGT 417:	Business Policy	3	45 Hours
MKTG 410:	Marketing Research	3	45 Hours
MKTG 411:	Business-to-Business Marketing	3	45 Hours
	(And any other ONE course from the Faculty)	3	45 Hours

Year 4 Semester 2

BMGT 420:	Project Management	3	45 Hours
BMGT 422:	Research Project	3	45 Hours
BMGT 424:	Business Ethics	3	45 Hours
MKTG 420:	Sales Management	3	45 Hours
MKTG 421:	Channels Management	3	45 Hours
MKTG428:	Global Marketing	3	45 Hours
	(And any other one courses from the Faculty)	3	45 Hours

Bachelor of Information Systems Management

Goal of the programme

The programme is supposed to provide one with the opportunity to develop strong and transferable intellectual and practical skills such as communication, analytical, and problem-solving skills that employers seek. The course units will help strengthen one's ability to apply professional core of knowledge in real-world settings and will stimulate intellectual, personal, and professional development through a variety of teaching formats including online work, writing of project papers, presentations, and group projects.

Admission requirements

- a) Applicants must have minimum entry requirements as specified by the rules for Kabarak University.
- b) Applicants must have passed one science subject and one language course with at least a C+ at KCSE level or other examination or qualifications recognized as equivalent by Kabarak University.
- c) To register in the Faculty of KBS, applicants must, in addition attain a minimum of credit passes of C or equivalent in Mathematics and English.

Expected learning outcome of the programme

Upon successful completion of this course a learner shall be able to:

- i. Gather data for a target organization and write a paper on systems requirements for an organization
- ii. Make oral and written presentation of systems project reports
- iii. Describe, analyze, and formulate arguments about information using a variety of sources
- iv. Execute effectively a systems project for an organization
- v. Implement problem-solving and decision making assignments
- vi. Perform administrative and technical support services for an ICT installation

Graduation requirements

To qualify for graduation, students enrolled in this programme shall be required to pass a minimum of 56 courses within the stipulated time; that is, shall complete 2520 Instructional hours and a minimum of 168 credit factors, divided as follows:

	Number of Units	CFs	
1.	22 Core Course Units in Management	@ 3 CFS	66 CFS
2.	23 Core Course Units in Information Systems	@ 3 CFS	69 CFS
3.	4 Elective Units in Information Systems	@ 3 CFS	12 CFS
4.	5 University Common Course Units	@ 3 CFS	15 CFS
5.	2 Other Common Course Units	@ 3CFS	6 CFS
Total	56 units		168 CFs

Program Structure

<u>Y1 S1</u>	L	P/T	C.F.
BIBL 110: Old Testament Survey	45	0	3.0
COMP 100: Computer Applications	30	30	3.0
BISM 110: ICT Fundamental Concepts	45	0	3.0
MATH 100: General Mathematics	45	0	3.0
BMGT 111: Introduction to Business	45	0	3.0
COMS 110: Communication Skills	45	0	3.0
ACCT 110: Foundations to Accounting 1	45	0	3.0
	300	30	21.0
<u>Y1 S2</u>			
BIBL 120: New Testament Survey	45	0	3.0
	45	0	3.0
ECON 100: Introduction to Economics	30	30	3.0
BMGT 121: Programming Concepts for Business Applications	30	30	3.0
BISM 120: Internet for Business Applications	45	0	3.0
BMGT 123: Principles of Management	45	0	3.0
FNCE 124: Business Mathematics	30	30	3.0
	<u>270</u>	<u>90</u>	<u>21.0</u>
BISM 121: Business Computer Networking & Management	570	120	42.0

Y2 S1				
BIBL 210:	The Redemption Story	45	0	3.0
BMGT 210:	Business Statistics 1	45	0	3.0
BMGT 213:	Human Resource Management	45	0	3.0
BISM 210:	Web Design for Business Management	30	30	3.0
BISM 211:	Business Systems Analysis & Design	45	0	3.0
BISM 212:	Management Information Systems	45	0	3.0
BISM 213:	Computer Hardware and Software Support Skills	30	30	3.0
		285	60	21.0
Y2 S2				
BIBL 220:	Comparative Religions	45	0	3.0
BMGT 220:	Business Statistics II	45	0	3.0
MKTG 220:	Principles of Marketing	45	0	3.0
BISM 221:	Management of Retail Systems	45	0	3.0
BISM 222:	Business Process Modelling	45	0	3.0
BISM 223:	Database Modelling for Business Management	30	30	3.0
		30	30	3.0
BISM 224:	Object Oriented Systems in Business Management	285	60	21.0
		570	120	42.0

Y3 S1		P/T	C.F.
BMGT 310: Organizational Theory and Behaviour	45	0	3.0
BISM 311: Distributed Systems Management	45	0	3.0
BISM 312: BPO & Call Centres Management	45	0	3.0
BISM 313: Supply Chain and ERPs Management	30	30	3.0
BISM 314: Strategic Information Systems	45	0	3.0
BISM 315: Mobile Applications Development for Business	30	30	3.0
	45	0	3.0
Elective	285	60	21.0
Y3 S2			
BMGT 320: Research Methods	45	0	3.0
MKTG 323: E-marketing	30	30	3.0
FNCE 325: Financial Information Systems Management	45	0	3.0
	45	0	3.0
BISM 320: Project Management	0	45	3.0
BISM 324: Business Programming Project	30	30	3.0
BISM 325: Business Applications Development in Java	45	0	3.0
Elective	240	105	21.0
	525	165	42.0
<u>BISM 330: INDUSTRIAL ATTACHMENT</u>			
3 months			
Y4 S1			

BMGT 410: Operations Research	45	0	3.0
BMGT 411: Research Proposal	0	60	3.0
BMGT 413: Strategic Management	30	30	3.0
BMGT 414: Business Entrepreneurship	45	0	3.0
BISM 411: Online Databases Management & MySQL	30	30	3.0
	45	0	3.0
BISM 412: Project Management Information Systems	45	0	3.0
Elective	240	120	21.0
Y4 S2			
BMGT 422: Research Project	0	60	3.0
BISM 420: Data Centres Management	45	0	3.0
BISM 421: Cyber Law and Security	45	0	3.0
BISM 422: Innovations & Intellectual Property Management	45	0	3.0
	45	0	3.0
BISM 423: IT Policy and Governance Management	30	30	3.0
	45	0	3.0
BISM 424: Cloud Computing in Business			
Elective	255	90	21.0
	495	210	42.0

Electives

Year 3:

BISM 316: e-Procurement management

BISM 317: Statistical Analysis Systems in Management

BISM 326: Ethical Hackers Skills for Business

BISM 327: Information Systems for Securities Management

Year 4:

BISM 413: e-Commerce and e-Business systems

BISM 414: Managing Health Informatics Systems

BISM 425: Management of Systems Digitization

BISM 426: Consulting for Information Systems Manage

Bachelor of Procurement and Logistics Management

Goal of the Program

The general goal of the program is to train and equip learners with knowledge and skills in Procurement and Logistics Management so as to enable them provide expertise in the public or private sector organizations and to pursue further studies in their fields.

We expect graduates of this program to take up careers in procurement and logistics related positions such as: procurement officer, supply chain manager, supplier relationship manager, contract manager, purchasing manager, E-procurement manager, stores management, logistics management, etc.

Minimum Admission Requirements

KCSE C+ with C (plain) in Mathematics; OR Credit Pass at Diploma level or equivalent qualifications in the related area of study

Expected Learning Outcomes

Upon successful completion of this programme, graduates will be able to:

- a) Explain fundamental concepts and principles of procurement and Supplies management.
- b) Demonstrate knowledge and skills in information technology competencies required in supply chain management
- c) Apply basic computational techniques to solve quantitative managerial accounting problems related to procurement and supply of goods.
- d) Apply core concepts, principles and theories of management to properly analyze and diagnose management problems.
- e) Explain managerial aspects of purchasing, receiving, storage, issuing and stock control.
- f) Assess the risks associated with supply chain management practices and apply appropriate risk management techniques to minimize those risks.
- g) Describe the prevailing legal principles and ethical issues associated with procurement and logistics in an Organization.

Graduation Requirements

To qualify for graduation, students enrolled in the Bachelor of Procurement and Logistics Management programme shall complete 156 credit factors divided as follows:

- a) University Common Courses: **6** courses x 3 CF's = **18** credit factors
- b) Core Courses in Business and Procurement: 46 courses x 3 CF's = **138** credit factors

Program Structure

Y1 S1	L	P/T	C.F.
BIBL 110: Old Testament Survey	45	0	3.0
MATH 100: General Mathematics	45	0	3.0
COMP 100: Introduction to Computers	45	0	3.0
ECON 110: Introduction to Microeconomics	45	0	3.0
COMS 110: Communication Skills	45	0	3.0
ACCT 110: Foundations of Accounting I	45	0	3.0
BPLO 110: Introduction to Procurement & Supplies Management	<u>45</u>	<u>0</u>	<u>3.0</u>
	315	0	21.0
Y1 S2			
BIBL 120: New Testament Survey	45	0	3.0
BMGT 121: Computer Programming for business	30	30	3.0
BMGT 123: Principles of Management	45	0	3.0
ACCT 120: Foundations of Accounting II	45	0	3.0
ECON 120: Introduction to Macroeconomics	45	0	3.0
BPLO 121: Introduction to Logistics Management	45	0	3.0
BPLO 122: Procurement Planning and Management	<u>45</u>	<u>0</u>	<u>3.0</u>
	315	0	21.0
	630	60	42.0
Y2 S1			
BIBLE 210: The Redemption Story	45	0	3.0
BMGT 210: Business Statistics I	45	0	3.0
BMGT 211: Introduction to Risk and Insurance	45	0	3.0

BMGT 213: Human Resource Management	45	0	3.0
BPLO 210: Principles of Supply Chain Management	45	0	3.0
BPLO 211: Warehousing and Distribution.	45	0	3.0
BPLO 212: Inventory Management and control	<u>45</u>	<u>0</u>	<u>3.0</u>
	315	0	21.0
Y2 S2			
BIBL 222: Christian Ethics	45	0	3.0
BMGT 221: Business Communication	45	0	3.0
FNCE 220: Business Finance	45	0	3.0
MKTG 220: Principles of Marketing	45	0	3.0
BPLO 220: Public Sector Procurement	45	0	3.0
BPLO 221: Quantitative Techniques	45	0	3.0
BPLO 222: E-Supply Chain Management	<u>45</u>	<u>0</u>	<u>3.0</u>
	315	0	21.0
	630	0	42.0

Y3 S1			
CORE UNITS			
BMGT 310: Organizational Behaviour	45	0	3.0
BMGT 313: Business Law I	45	0	3.0
ACCT 314: Cost Accounting	45	0	3.0
BPLO 310: Clearing and Forwarding	45	0	3.0
PROCUREMENT AND CONTRACT MANAGEMENT OPTION	45	0	3.0
PLOG 310: International Procurement and supply Management	<u>45</u>	<u>0</u>	<u>3.0</u>
PLOG 311: Supplier Relationship Management			
TRANSPORT AND FREIGHT LOGISTICS OPTION			
TLOG 310: Logistics Systems and Management	45	0	3.0
TLOG 311: International Logistics Management	<u>45</u>	<u>0</u>	<u>3.0</u>
	270	0	18.0
Y3 S2			
CORE UNITS			
BMGT 320: Research Methods	45	0	3.0
BMGT 322: Management Information Systems	45	0	3.0
BMGT 323: Business Law II	45	0	3.0
TLOG 320: Transport Logistics and Freight Insurance	45	0	3.0
PROCUREMENT AND CONTRACT MANAGEMENT OPTION	45	0	3.0
PLOG 321: Strategic Materials Management	<u>45</u>	<u>0</u>	<u>3.0</u>
PLOG 322: Contracts and Negotiation in Procurement Management			
	45	0	3.0
TRANSPORT AND FREIGHT LOGISTICS OPTION			
TLOG 321: Logistics for Emergency and Disaster relief	<u>45</u>	<u>0</u>	<u>3.0</u>
TLOG 322: Retail Merchandise Management	270	0	18.0
	540	0	36.0

(BPLO 330: INDUSTRIAL ATTACHMENT 8 WEEKS MINIMUM)			
Y4 S1			
CORE UNITS			
BPLO 410: Leadership in Supply Chain Management	45	0	3.0
BPLO 411: Research Proposal	45	0	3.0
BPLO 412: Total Quality Management	45	0	3.0
BMGT 414: Entrepreneurship	45	0	3.0
PROCUREMENT AND CONTRACT MANAGEMENT OPTION			
BPLO 413: Strategic Supply Chain Management	45	0	3.0
FNCE 413: Financial Management	<u>45</u>	<u>0</u>	<u>3.0</u>
TRANSPORT AND FREIGHT LOGISTICS OPTION			
TLOG 412: Transport Economics in Logistics Management	45	0	3.0
TLOG 413: Operations Research in Transport Logistics	<u>45</u>	<u>0</u>	<u>3.0</u>
	270	0	18.0
Y4 S2			
CORE UNITS			
BMGT 420: Project Management	45	0	3.0
BPLO 420: Regional Markets in Supply Chain Management	45	0	3.0
BPLO 421: Ethical issues in Supply Chain Management	45	0	3.0
BPLO 422: Research Project	45	0	3.0
	45	0	3.0
PROCUREMENT AND CONTRACT MANAGEMENT OPTION			
PLOG 421: Sustainability in Procurement and Supply chain Management	<u>45</u>	<u>0</u>	<u>3.0</u>
PLOG 422: Risk Management in Supply Chain	45	0	3.0
	<u>45</u>	<u>0</u>	<u>3.0</u>
TRANSPORT AND FREIGHT LOGISTICS OPTION			

TLOG 421: Logistics for Hazardous Materials	<u>270</u>	0	<u>18.0</u>
TLOG 422: Risk Management in Transport Logistics	540	0	36.0

Bachelor of Science in Agribusiness Management

Goal of the Programme

The aim of the Bachelor of Science in Agribusiness Management is to develop graduates with professional knowledge, positive attitudes, practical managerial and entrepreneurial skills as well as ethical values needed to contribute to the professional management of agribusinesses and economic development. The programme also aims at providing a platform for research to enhance the body of knowledge in Agribusiness Management.

Minimum admission requirements

KCSE+ (plus) and a C- (minus) in Agriculture, Mathematics and English, or at least a D+ in Mathematics and a C (plain) in Commerce and Business Studies in the Kenya Certificate of Secondary Education OR, a relevant Diploma from institutions recognized by Kabarak University senate

Expected Learning Outcomes of the programme

Upon successful completion of this programme, graduates will be able to:

1. Describe agro-industrialization and relationships between producers, processors, manufacturers and consumers of commodities involved in the agribusiness sector.
2. Analyze the farm and market situations to solve day to day and long term problems in the agribusiness sector of the economy.
3. Use agribusiness management skills to run agribusiness enterprises including consulting.
4. Apply knowledge of supply chain management in agribusiness and decision making.
5. Provide solutions to organizational problems.
6. Participate in agribusiness research and knowledge creation.

Graduation Requirement

To qualify for graduation, students enrolled in the Bachelor of Science in Agribusiness Management programme shall complete a minimum of 156 credit factors divided as follows:

- c) University Common Courses: **6** courses x 3 CF's = **18** credit factors

d) Core Courses in Business and Management: **46 courses** x 3 Cf's = **138** credit factors

Program Structure

<u>Y1 S1</u>	<u>LH</u>	<u>P/T</u>	<u>C.F.</u>
BIBL 110 : Old Testament Survey	45	0	3.0
MATH 100 : General Mathematics	45	0	3.0
COMP 100 : Introduction to Computers	45	0	3.0
ECON 110 : Introduction to Micro-Economics	45	0	3.0
COMS 110 : Communication Skills	45	0	3.0
ACCT 110 : Foundations of Accounting I	45	0	3.0
AGBM 111 : Introduction to Agribusiness Management	<u>45</u>	<u>0</u>	<u>3.0</u>
	315	0	21.0
<u>Y1 S2</u>			
BIBL 120 : New Testament Survey	45	0	3.0
BMGT 121 : Computer Programming for business	45	0	3.0
BMGT 123 : Principles of Management	45	0	3.0
ECON 120 : Introduction to Macro-Economics	45	0	3.0
AGBM 120 : Introduction to Food Industry	45	0	3.0
AGBM 121 : Principles of Crop Production	45	0	3.0
AGBM 122 : Fundamentals of Environmental Management	45	0	3.0
	<u>315</u>	<u>0</u>	<u>21.0</u>
	630	0	42.0
<u>Y2 S1</u>			
BIBLE 210 : The Redemption Story	45	0	3.0

BMGT 210 : Business Statistics	45	0	3.0
BMGT 211 : Introduction to Risk & Insurance	45	0	3.0
BMGT 213 : Human Resource Management	45	0	3.0
AGBM 211 : Introduction to Soil Science	45	0	3.0
AGBM 212 : Principles of Animal Production	45	0	3.0
AGBM 213 : Gender and Agricultural Development	<u>45</u>	<u>0</u>	<u>3.0</u>
	315	0	21.0
<u>Y2 S2</u>			
BIBL 222 : Christian Ethics	45	0	3.0
BMGT 221 : Business Communication and writing skills	45	0	3.0
FNCE 220 : Business Finance	45	0	3.0
MKTG 220 : Principles of Marketing	45	0	3.0
AGBM 220 : Agricultural Production Economics	45	0	3.0
AGBM 221 : Crop Protection and Animal Health	45	0	3.0
AGBM 222 : Cooperative Development Management	<u>45</u>	<u>0</u>	<u>3.0</u>
	315	0	21.0
	630	0	42.0

<u>Y3 S1</u>		P/T	C.F.
BMGT 310 : Organizational Behavior	45	0	3.0
BMGT 313 : Business Law	45	0	3.0
ACCT 313 : Principles of Taxation	45	0	3.0
ACCT 314 : Cost accounting	45	0	3.0
AGBM 310 : Management of Agricultural Institutions	45	0	3.0
AGBM 311 : Agribusiness Procurement and Logistic Management	<u>45</u>	<u>0</u>	<u>3.0</u>

	270	0	18.0
<u>Y3 S2</u>			
BMGT 320 : Research Methods	45	0	3.0
BMGT 322 : Management Information Systems	45	0	3.0
AGBM 320 : Farm Management	45	0	3.0
AGBM 321 : Agricultural Law and Policy Analysis	45	0	3.0
AGBM 322 : Agribusiness value chain management	45	0	3.0
AGBM 323 : Crop, Animal and Horticulture Product Marketing	<u>45</u>	<u>0</u>	<u>3.0</u>
AGBM 330 : Industrial Attachment	<u>270</u>	<u>0</u>	<u>18.0</u>
	<u>540</u>	<u>0</u>	<u>36.0</u>
<u>Y4 S1</u>			
BMGT 413 : Strategic Management	45	0	3.0
BMGT 414 : Agripreneurship	45	0	3.0
FNCE 413 : Financial Management	45	0	3.0
AGBM 410 : Agricultural Economics	45	0	3.0
AGBM 411 : Agribusiness Special Project I	45	0	3.0
AGBM 412 : Agricultural Extension Services	<u>45</u>	<u>0</u>	<u>3.0</u>
	270	0	18.0

<u>Y4 S2</u>			
BMGT 420 : Project Management	45	0	3.0
BMGT 421 : Business Ethics	45	0	3.0
AGBM 420 : Consultancy and Advisory Services for Agribusiness	45	0	3.0
AGBM 421 : International Trade	45	0	3.0
AGBM 422 : Agribusiness Special Project II	45	0	3.0
AGBM 423 : Risk Management	<u>45</u>	<u>0</u>	<u>3.0</u>
	270	0	18.0
	540	0	36.0

Bachelor of Science in Economics

Goal of the program

The Economics Program is designed to provide students with excellent foundation to successfully take up graduate studies in Economics, render expert leadership as Economists, contribute positively to national development, and also conduct both qualitative and quantitative studies/research in Economics.

Minimum Admission Requirements

The following shall be eligible for admission into the degree program:

- i) Applicant must have passed with at least C+ at KCSE level or other examination or qualifications recognized as equivalent by Kabarak University.
- ii) In addition candidates must attain a minimum of credit passes of C+ or equivalent in Mathematics

Expected Learning Outcomes

Upon successful completion of this course, graduates will be able to:

1. Explain basic concepts and principles of Economics
2. Apply knowledge and skills in Economics to solve problems faced by public and private sector Institutions.

3. Interpret Economics data and use the information to make policy decisions.
4. Conduct research relevant to government and private sector institutions and analyze information by using analytical tools, and problem solving techniques.
5. Formulate mathematical economic models, as well as how to quantify model parameters from data.

Graduation Requirements

To qualify for graduation, students enrolled in this program shall be required to pass all required courses within the stipulated time; that is, shall complete a minimum of **156** credit factors divided as follows:

- 6 Common course units @ 3 CFS = 18 CFS
 - 46 Course units @3 CFS = 138 CFS
- 156 FS**

Program Structure

Year One Semester One

Code	Course Title	L	P/T	CF
BIBL 110	Old Testament Survey	45	0	3.0
BMGT 111	Introduction to Business	45	0	3.0
COMP 110	Introduction to Computers	30	30	3.0
COMS 110	Communication Skills 1	45	0	3.0
ECON 110	Introduction to Microeconomics	45	0	3.0
MATH 110	Basic Mathematics	45	0	3.0
ACCT 110	Foundation of Accounting 1	45	0	3.0

Year One Semester Two

Code	Course Title	L	P/T	CF
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BIBL 120	New Testament Survey	45	0	3.0
ECON 120	Introduction to Macroeconomics	45	0	3.0
ECON 121	Mathematics For Economists I	45	0	3.0
COMS 120	Communication Skills II	45	0	3.0
ACCT 120	Foundation of Accounting II	45	0	3.0
BMGT 123	Principles of Management	45	0	3.0
COMP 111	Introduction to Computer Programming	30	30	3.0

Year Two Semester One

Code	Course Title	L	P/T	CF
BIBLE 210	The Redemption Story	45	0	3.0
ECON 210	Intermediate Microeconomics	45	0	3.0
BMGT 213	Human Resource Management	45	0	3.0
ECON 211	Mathematics For economists II	45	0	3.0
ECON 212	Statistics for Economists I	45	0	3.0
ECON 213	Contemporary Economic Issues	45	0	3.0
MATHS 113	Calculus I	45	0	3.0

Year Two Semester Two

Code	Course Title	L	P/T	CF
BIBL 222	Christian Ethics	45	0	3.0
ECON 220	Intermediate Macroeconomics	45	0	3.0

ECON 222	Statistics for Economists II	45	0	3.0
MATHS 121	Calculus II	45	0	3.0
BMGT 214	Business Entrepreneurship	45	0	3.0
MKTG 220	Principles of Marketing	45	0	3.0
FNCE 220	Business Finance	45	0	3.0

Year Three Semester One

Code	Course Title	L	P/T	CF
ECON 310	Advanced Microeconomics	45	0	3.0
ECON 313	Money Theory and Practice	45	0	3.0
ECON 315	Operation Research 1	45	0	3.0
ECON 312	Econometrics I	45	0	3.0
ECON 311	Economic Development	45	0	3.0
ECON 314	History of Economic Thought I	45	0	3.0

Year Three Semester Two

Code	Course Title	L	P/T	CF
ECON 320	Research Methods	45	0	3.0
ECON 321	Advanced Macroeconomics	45	0	3.0
ECON 322	Econometrics II	45	0	3.0
ECON 323	Public Finance	45	0	3.0
ECON 324	History of Economic Thought II	45	0	3.0
ECON 325	Economic Policy Analysis	45	0	3.0

Year Four Semester One

Code	Course Title	L	P/T	CF
ECON 411	Economic Planning	45	0	3.0
ECON 412	International Economics I	45	0	3.0
ECON 413	Research Proposal	45	0	3.0
ECON 415	Operations research II	45	0	3.0

Two Elective

Code	Course Title	L	P/T	CF
ECON 421	Project Appraisal & Evaluation	45	0	3.0
ECON 422	International Economics II	45	0	3.0
ECON 423	Research Project in Economics	45	0	3.0

Three Elective**Year Four Semester One**

Code	Course Title	L	P/T	CF
ECON 410	Applied Microeconomics Analysis	45	0	3.0
ECON 414	Health Economics	45	0	3.0
ECON 416	Entrepreneurship Economics	45	0	3.0
ECON 417	Urban and Regional Economics	45	0	3.0
ECON 418	Resource Economics	45	0	3.0
ECON 419	Labour Economics	45	0	3.0

Year Four Semester One

Code	Course Title	L	P/T	CF
ECON 420	Applied Macroeconomic Analysis	45	0	3.0
ECON 423	Economics of Infrastructure	45	0	3.0
ECON 424	Economics of Education	45	0	3.0
ECON 425	Economics of Industry	45	0	3.0
ECON 426	Managerial Economics	45	0	3.0
ECON 428	Environmental Economics	45	0	3.0
ECON 429	Agricultural Development Policy	45	0	3.0
MATH 422	Non- Parametric Tests	45	0	3.0

Bachelor of Science in Economics and Finance

Goal of the Program

The general purpose of the Bachelor of Science in Economics and Finance is to develop graduates with professional knowledge, practical skills in managerial finance and economics as well as ethical values needed to contribute to the professional management of financial institutions. The programme also aims at providing a platform for research to enhance the body of knowledge in the area of finance and economics.

Minimum Admission Requirements

KCSE C+ with C (plain) in Mathematics; OR Credit Pass at Diploma level or equivalent qualifications in the related area of study

Expected Learning Outcomes

Upon successful completion of this program, graduates will be able to:

- a) Explain basic concepts and principles of economics and finance
- b) Apply key concepts of economics and finance and management skills to solve management problems in service organizations.
- c) Demonstrate knowledge and skills in information technology competencies required in the financial Institutions.
- d) Interpret economics and financial data and use the information to make decisions.
- e) Conduct research relevant to economics and finance and analyze information by using analytical tools, and problem solving skills.
- f) Identify and assess the risks associated with financial services in Kenya and across borders, and explain appropriate risk management techniques to minimize the risks.
- g) Describe the functions and management of financial institutions and markets in modern economy.

Graduation Requirements

To qualify for graduation, students enrolled in the Bachelor of Science in Economics and Finance programme shall complete a minimum of 156 credit factors divided as follows:

- e) University Common Courses: **6** courses x 3 CF's = **18** credit factors
- f) Core Courses in Business and Procurement: 46 courses x 3 CF's = **138** credit factors

Program Structure

Y1 S1	<u>L</u>	<u>P/T</u>	<u>C.F.</u>
BIBL 110: Old Testament Survey	45	0	3.0
ACCT 110: Financial Accounting I	45	0	3.0
COMS 110: Communication Skills	45	0	3.0
ECON 110: Introduction to Microeconomics	45	0	3.0
FNCE 111: Principles of Finance	45	0	3.0
MATH 100 General Mathematics	45	0	3.0
COMP100: Introduction to Computers	<u>30</u>	<u>15</u>	<u>3.0</u>
	300	15	21.0
Y1 S2			
BIBL 120: New Testament Survey	45	0	3.0
ACCT 120: Financial Accounting II	45	0	3.0
BMGT 123: Principles of Management	45	0	3.0
ECON 120: Introduction to Macroeconomics	45	0	3.0
ECON 123: Statistics for economists I	45	0	3.0
FNCE 120 Management Mathematics I	45	0	3.0
COMP 111: Introduction to Computer Programming	<u>30</u>	<u>15</u>	3.0
	<u>300</u>	<u>15</u>	<u>21.0</u>
	600	30	42.0
Y2 S1			
BIBLE 210: The Redemption Story	45	0	3.0
BMGT 211: Introduction to Risk and Insurance	45	0	3.0
BMGT 213: Human Resource Management	45	0	3.0
ECON 210: Intermediate Microeconomics	45	0	3.0
ECON 213: Contemporary Economic Issues	45	0	3.0
FNCE 212: Management Mathematics II	45	0	3.0
COMP 120: Structured Programming	<u>45</u>	<u>0</u>	<u>3.0</u>

	315	0	21.0
Y2 S2			
BIBL 222: Christian Ethics	45	0	3.0
BMGT 221: Business Communication skills	45	0	3.0
ECON 221:Economic Development	45	0	3.0
ECON 220: Intermediate Macroeconomics	45	0	3.0
ECON 222: Statistics for economists II	45	0	3.0
FNCE 220: Business Finance	45	0	3.0
BMGT 313: Business Law	45	0	3.0
	315	0	21.0
	630	0	42.0

		P/T	C.F.
Y3 S1			
ECON 310: Advanced Microeconomics	45	0	3.0
ECON 312 : Econometrics I	45	0	3.0
ECON 315: Operations Research I	45	0	3.0
FNCE 310: Corporate Finance	45	0	3.0
FNCE 312: Business Taxation	45	0	3.0
FNCE 313: Money and Banking	45	0	3.0
	45	0	3.0
	315	0	21.0

Y3 S2			
ECON 320: Research Methods	45	0	3.0
ECON 321: Advanced Macroeconomics	45	0	3.0
ECON 322 : Econometrics II	45	0	3.0
ECON 325: Economic Policy Analysis	45	0	3.0
FNCE323 : Public Finance	45	0	3.0
FNCE 324: Financial Institutions and Markets	45	0	3.0
YEAR TOTAL	<u>45</u>	<u>0</u>	3.0
FNCE 330:INDUSTRIAL ATTACHMENT (8 WEEKS)	<u>315</u>	<u>0</u>	<u>21.0</u>
	<u>630</u>	<u>0</u>	<u>42.0</u>
Y4 S1			
ECON 412: International Economics	30	15	3.0
ECON 413: Research Proposal	45	0	3.0
ECON 414: Entrepreneurship Economics	45	0	3.0
ECON 415: Operations Research II	45	0	3.0
FNCE 412 Security Analysis and Portfolio Mgt	45	0	3.0
FNCE 414: Mgt of Financial Institutions	<u>45</u>	<u>0</u>	<u>3.0</u>
	255	15	21.0
Y4 S2			
ECON 411: Economic Planning	30	15	3.0
ECON 421 Project Appraisal & Evaluation	45	0	3.0
ECON 423 Research Project	45	0	3.0
FNCE 423 Derivatives Management	45	0	3.0
FNCE 424 Real Estate Finance and Property Management	45	0	3.0
FNCE 425 International Finance	<u>45</u>	<u>0</u>	<u>3.0</u>
	<u>255</u>	<u>15</u>	<u>21.0</u>
YEAR TOTAL	510	30	42.0

Bachelor of Science in Economics and Mathematics

A solid core in Mathematics and Economics prepare students for career in economic planning, Mathematics, or business research.

Minimum Admission Requirements

KCSE C+ with C+ in Mathematics

Program Courses

Hours	Credit Factors	Lecture
<u>Year 1 Semester 1</u>		
BIBL 110 Old Testament Survey	3	45 Hours
COMP 110 Introduction to Computers Science	3	45 Hours
COMS 100 Communication Skills I	3	45 Hours
ECON 110 Introduction to Micro-economics	3	45 Hours
MATH 110 Basic Mathematics	3	45 Hours
MATH 111 Calculus I	3	45 Hours
MATH 112 Geometry and Elementary Applied Mathematics	3	45 Hours
<u>Year 1 Semester 2</u>		
BIBL 120 New Testament Survey	3	45 Hours
ECON 120 Introduction to Macroeconomics	3	45 Hours
ECON 121 Mathematics for Economists I	3	45 Hours
MATH 121 Calculus II	3	45 Hours
MATH 123 Probability and Statistics I	3	45 Hours
COMS 120 Communication Skills II	3	45 Hours
<u>Year 2 Semester 1</u>		
BIBLE 210 The Redemption Story	3	45 Hours
ECON 210 Intermediate Microeconomics	3	45 Hours
ECON 211 Mathematics for Economists II	3	45 Hours

ECON 213 Contemporary Economic Issues	3	45 Hours
MATH 211 Linear Algebra I	3	45 Hours
MATH 212 Probability and statistics II	3	45 Hours
SOCI 100 Introduction to Sociology	3	45 Hours

Year 2 Semester 2

BIBL 220 Comparative Religion	3	45 Hours
ECON 220 Intermediate Macroeconomic	3	45 Hours
ECON 222 Statistics for Economists II	3	45 Hours
MATH 211 Linear Algebra II	3	45 Hours
MATH 221 Real Analysis I	3	45 Hours
MATH 222 Vector Analysis	3	45 Hours
BMGT 214 Business Entrepreneurship	3	45 Hours

Year 3 Semester 1

ECON 313 Monetary Theory and Policy (Elective)	3	45 Hours
ECON 315 Operations Research I	3	45 Hours
ECON 312 Econometrics I	3	45 Hours
MATH 311 Real Analysis II	3	45 Hours
MATH 312 Ordinary differential Equations I	3	45 Hours
MATH 313 Complex Analysis	3	45 Hours
ECON 310 Advanced Microeconomics (Compulsory)	3	45 Hours
One Elective	3	45 Hours

ELECTIVES

ECON 311 Economic Development	3	45 Hours
ECON 314 History of Economic Thought I	3	45 Hours
MATH 317 Statistics Through Applications	3	45 Hours

Year 3 Semester 2

ECON 321 Research Methods	3	45 Hours
ECON 322 Econometrics II	3	45 Hours

ECON 323 Public Finance	3	45 Hours
MATH 324 Sample Survey	3	45 Hours
MATH 328 Regression Analysis and Analysis of Variance	3	45 Hours
MATH 329 Quality Control & Acceptance Sampling	3	45 Hours
One Elective	3	45 Hours

ELECTIVES

ECON 320 Advanced Macro-economics	3	45 Hours
ECON 324 History of Economic Thought II	3	45 Hours
MATH 320 Advanced Calculus	3	45 Hours

Year 4 Semester 1

ECON 411 Development Planning	3	45 Hours
ECON 413 Research Project	3	45 Hours
MATH 410 Partial Differential Equation	3	45 Hours
MATH 416 Time Series Analysis and Forecasting	3	45 Hours
Three Electives	3	45 Hours

Year 4 Semester 2

ECON 421 Project Appraisal & Evaluation	3	45 Hours
ECON 325 Economic Policy Analysis	3	45 Hours
MATH 424 Non Parametric Methods	3	45 Hours
MATH 425 Multivariate Analysis	3	45 Hours

Three Electives

LIST OF ELECTIVES

Semester 1

ECON 410 Applied Microeconomic Analysis	3	45 Hours
ECON 412 International Economics 1	3	45 Hours
ECON 414 Health Economics	3	45 Hours
ECON 415 Operations Research II	3	45 Hours
ECON 416 Entrepreneurship Economics	3	45 Hours

ECON 417 Urban and Regional Economics	3	45 Hours
ECON 418 Resource Economics	3	45 Hours
ECON 419 Labour Economics	3	45 Hours
MATH 415 Test of Hypothesis	3	45 Hours
MATH 417 Probability and Stochastic Processes	3	45 Hours

Semester 2

ECON 420 Applied macroeconomic analysis	3	45 Hours
ECON 422 International Economics II	3	45 Hours
ECON 423 Economic of Infrastructure	3	45 Hours
ECON 424 Economics of Education	3	45 Hours
ECON 425 Economics of Industry	3	45 Hours
ECON 426 Managerial Economics	3	45 Hours
ECON 427 Economic Demography	3	45 Hours
ECON 428 Environmental Economics	3	45 Hours
ECON 429 Agricultural Development Policy	3	45 Hours
MATH 426 Design and Analysis of Experiment Survey	3	45 Hours

Bachelor of Science in Economics and Statistics

Goal of the Program

The goal of the economics and statistic science programme is to provide students with understanding of the theories, principles and analytical techniques in the economics and statistics disciplines. Students will also gain skills and knowledge in the key areas of probability and statistics, apply mathematical models or statistical models to theories and application of economic problems..

Minimum Admission Requirements

KCSE C+ with C (plain) in Mathematics; OR Credit Pass at Diploma level or equivalent qualifications in the related area of study

Expected Learning Outcomes

Upon successful completion of this programme, graduates will be able to:

- a) Apply probability and statistical models to economics problem in biblical perspective.
- b) Create, edit and handle documentations in National or local government.
- c) Use skills acquired to offer consultancy services in area of research and development.
- d) Apply knowledge of Economics and statistics to solve financial/ statistical problems.
- e) Demonstrate the ability to summarize and communicate, orally and in writing, economics and statistical problems and the ability to communicate solutions to economic and statistical problems to specialized and non-specialized audiences

Program Structure

Code	Year 1 Semester 1	L	P	C.F.
BIBL 110	Old Testament Survey	45	0	3
COMS110	Communication Skills	45	0	3
ECON110	Introduction to micro-economics	45	0	3
MATH110	Basic Mathematics	45	0	3
MATH 113	Calculus I	45	0	3

MATH 112	Geometry and Elementary Applied Mathematics	45	0	3
COMP 110	Introduction. to Computers	30	30	3
		300	30	21

Code **Year 1 Semester 2**

BIBL 120	New Testament Survey	45	0	3
ECON 120	Intro. To macroeconomics	45	0	3
ECON 121	Mathematics for Economists I	45	0	3
MATH 121	Calculus II	45	0	3
MATH 123	Probability and statistics I	45	0	3
BMGT 221	Business Communication skills	45	0	3
COMP 111	Introduction to Computer Programming	30	30	3
		300	30	21

Code **Year 2 Semester 1**

BIBL 210	The Redemption Story	45	0	3
ECON 210	Intermediate Microeconomics	45	0	3
ECON 211	Mathematics for Economists II	45	0	3
ECON 213	Contemporary Economic Issues	45	0	3
MATH 211	Linear Algebra I	45	0	3
MATH 212	Probability and statistics II	45	0	3
COMP 120	Structured Programming	30	30	3
		300	30	21

Code **Year 2 Semester 2**

BIBL 222	Christian Ethics	45	0	3
ECON 220	Intermediate Macroeconomic	45	0	3
COMP 211	Object oriented programming with C++	30	30	3
MATH 220	Linear Algebra II	45	0	3
MATH 221	Real Analysis I	45	0	3

STAT 223	Probability and statistics III	45	0	3
ECON 221	Economic Development	45	0	3
		315	0	21

<u>Code</u>	<u>Year 3 Semester 1</u>	<u>L</u>	<u>P/T</u>	<u>C.F.</u>
ECON 310	Advanced Microeconomics	45	0	3
ECON 313	Money and Banking	45	0	3
ECON 315	Operations Research I	45	0	3
ECON 312	Econometrics I	45	0	3
MATH 312	Ordinary differential Equations I	45	0	3
MATH 315	Design and analyses of Experiment I	45	0	3
MATH 317	Applied Regression Analysis	45	0	3
		315	0	21

<u>Code</u>	<u>Year 3 Semester 2</u>			
ECON 320	Research Methods	45	0	3
ECON 321	Advanced Macroeconomics	45	0	3
ECON 322	Econometrics II	45	0	3
ECON 323	Public Finance	45	0	3
MATH 324	Sample Survey	45	0	3
MATH 329	Quality Control & Acceptance Sampling	45	0	3
MATH 328	Statistics computing packages	30	30	3

ECON 330 Field Attachment

<u>Code</u>	<u>Year 4 Semester 1</u>			
ECON 412	International Economics	45	0	3
ECON 414	Entrepreneurship Economics	45	0	3
ECON 415	Operations Research II	45	0	3
ECON 413	Research Proposal	30	30	3

MATH 415	Test of hypothesis	45	0	3
MATH 416	Time Series Analysis and Forecasting	45	0	3
MATH 417	Probability and Stochastic Processes	45	0	3
		300	30	21

Code **Year 4 Semester 2**

ECON 411	Economic Planning	45	0	3
ECON 421	Project Appraisal & Evaluation	45	0	3
ECON 325	Economic Policy Analysis	45	0	3
MATH 426	Mathematics of Demographic and graduation	45	0	3
ECON 423	Research Project	0	0	3
MATH 424	Non Parametric Methods	45	0	3
MATH 425	Multivariate Analysis	45	0	3
		315	0	21

Elective

ACTS 512	Mathematical computing for finance	45	0	3
STAT 450	Financial Times Series	45	0	3
STAT 464	Decision Theory and Bayesian Inference II	45	0	3
STAT 446	Survival models and analysis	45	0	3

Bachelor of Science in Hospitality Management

Goal of the Program

The overall goal of the Hospitality and Tourism Management programme is to prepare learners to become leaders who demonstrate managerial skills and competencies to make positive contributions to the global hospitality and tourism industry.

Minimum Admission Requirements

KCSE C+ with C (plain) in Mathematics or Business Studies, and English or Kiswahili or a foreign language; OR Credit pass at Diploma level in a related area of study.

Expected Learning Outcomes

At the end of this program, the student shall be expected to:

1. Explain the basic concepts and practices in hospitality and tourism industry and apply them to solve actual management problems in the service industry.
2. Demonstrate management skills in designing, implementing and evaluating services, events and programs in hospitality and tourism industry.
3. Demonstrate knowledge and skills in application of information technology competencies in the tourism and hospitality industry.
4. Conduct research, analyze and interpret qualitative and quantitative data within the tourism and hospitality industry.
5. Assess the legal risks associated with hospitality business practices and identify appropriate risk management techniques to minimize those risks.

Graduation Requirements

To qualify for graduation, students enrolled in the Bachelor of Science in Economics and Statistics programme shall complete a minimum of 162 credit factors divided as follows:

- g) University Common Courses: **6** courses x 3 CF's = **18** credit factors
- h) Core Courses in Business and Procurement: 35 courses x 3 CF's = **105** credit factors
- i) c) Specialization courses: 13 courses x 3 CFs = **39** credit factors

Program Structure

Y1 S1	<u>L</u>	<u>P/T</u>	<u>C.F.</u>
BIBL 110: Old Testament Survey	45	0	3.0
COMS 110: Communication Skills	45	0	3.0
COMP 100: Introduction to Computers	45	0	3.0
ACCT 110: Foundations of Accounting I	45	0	3.0
MATH 100: General Mathematics	45	0	3.0
HTM 110: Introduction to Hospitality Operations	45	0	3.0
HTM 100: Beginners' French	<u>45</u>	<u>0</u>	<u>3.0</u>
	315	0	21.0
Y1 S2			
BIBL 120: New Testament Survey	45	0	3.0
ACCT 120: Foundations of Accounting II	45	0	3.0
ECON 110: Introduction to Microeconomics	45	0	3.0
HTM 121: Tourism Concepts and Principles	45	0	3.0
HTM 122: Natural History of East Africa Flora and Fauna	45	0	3.0
HTM 123: Principles of Management	45	0	3.0
HTM 124: French Structure I	45	0	3.0
	<u>315</u>	<u>0</u>	<u>21.0</u>
	630	0	42.0

Y2 S1			
BIBL 210: The Redemption Story	45	0	3.0
ECON 120: Introduction to Macroeconomics	45	0	3.0
HTM 210: Business Statistics	45	0	3.0
HTM 211: French Structure II	45	0	3.0
HTM 212: Principles of Marketing	45	0	3.0
HTM 213: Human Resource Management	45	0	3.0
HTM 214: Customer Relationship and Management	<u>45</u>	<u>0</u>	<u>3.0</u>
	315	0	21.0
Y2 S2			
BIBL 222: Christian Ethics	45	0	3.0
BMGT 221: Business Communication Skills	45	0	3.0
HTM 220: Intermediate French	45	0	3.0
HTM 221: Front Office Operations	45	0	3.0
HTM 222: Public Relations in Hospitality and Tourism	45	0	3.0
HTM 223: Marketing of Services in Hospitality and Tourism	45	0	3.0
HTM 224: Managerial Accounting	45	0	3.0
	<u>315</u>	0	<u>21.0</u>
	630	0	42.0
HOSPITALITY OPTION(specialization/option)			
Y3 S1			
CORE COURSES	L	P/T	C.F.
HTM 310: Organizational Behavior in Hospitality and Tourism	45	0	3.0
HMO 311: Food Safety and Hygiene	45	0	3.0
HMO 312: Menu Planning and Costing	45	0	3.0
HMO 313: Food Production Theory and Lab	45	0	3.0
HMO 314: Food and Beverage Services and Sales Theory and Lab	45	0	3.0
	<u>45</u>	<u>0</u>	<u>3.0</u>

HMO 315: Internal Controls in Hospitality Operations	270	0	18.0
Y3 S2			
HTM 320: Research Methods	45	0	3.0
HMO 321: Beverage and Wine Knowledge	45	0	3.0
HMO 322: Nutrition and Dietetics	45	0	3.0
HMO 323: Housekeeping and Laundry Operations	45	0	3.0
HMO 324: Computer Applications for the Hospitality Industry	45	0	3.0
HMO 325: Property and Facilities Management	<u>45</u>	<u>0</u>	<u>3.0</u>
YEAR TOTAL	<u>270</u>	<u>0</u>	<u>18.0</u>
HTM 330: Industrial Attachment I (Outside Semester)	<u>540</u>	<u>0</u>	<u>36.0</u>
Y4 S1			
HTM 410: Management Information Systems	45	0	3.0
HTM 411: Research Project I	45	0	3.0
HTM 412: Events and Conventions Management	45	0	3.0
HTM 413: Financial Management in Hospitality and Tourism	45	0	3.0
HTM 414: Entrepreneurship in Hospitality and Tourism	45	0	3.0
HTM 415: Hospitality and Tourism Law	<u>45</u>	<u>0</u>	<u>3.0</u>
	270	0	18.0
Y4 S2			
HTM 420: Project Management	45	0	3.0
HTM 421: Strategic Management in Hospitality and Tourism	45	0	3.0
HTM 422: Research Project II	45	0	3.0
HMO 423: Service Quality Management	45	0	3.0
HMO 424: Consumer Behavior in Hospitality	45	0	3.0
HMO 425: Sustainability Issues in the Hospitality Industry	<u>45</u>	<u>0</u>	<u>3.0</u>
	<u>270</u>	<u>0</u>	<u>18.0</u>

	540	0	36.0
HTM 430: Industrial Attachment II (Outside Semester)			
TOURISM OPTION	L	P/T	C.F.
Y3 S1			
HTM 310: Organizational Behavior in Hospitality and Tourism	45	0	3.0
TMO 311: Travel Agency Management	45	0	3.0
TMO 312: Transport and Logistics Management	45	0	3.0
TMO 313: Travel and Tour Operations	45	0	3.0
TMO 314: Airfares and Ticketing	45	0	3.0
TMO 315: Tourism and Travel Geography	<u>45</u>	<u>0</u>	<u>3.0</u>
	270	0	18.0
Y3 S2			
HTM 320: Research Methods	45	0	3.0
TMO 321: Business of Tour Guiding	45	0	3.0
TMO 322: Management of Protected Areas	45	0	3.0
TMO 323: Tourism Destination Management	45	0	3.0
TMO 324: Cultural and Heritage Tourism	45	0	3.0
TMO 325: Wildlife-based Tourism	45	0	3.0
	45	0	3.0
YEAR TOTAL	<u>270</u>	<u>0</u>	<u>18.0</u>
HTM 330: Industrial Attachment I (Outside Semester)	<u>540</u>	<u>0</u>	<u>36.0</u>
Y4 S1			
HTM 410: Management Information Systems	45	0	3.0
HTM 411: Research Project I	45	0	3.0
HTM 412: Events and Conventions Management	45	0	3.0
HTM 413: Financial Management in Hospitality and Tourism	45	0	3.0
HTM 414: Entrepreneurship in Hospitality and Tourism	45	0	3.0
HTM 415: Hospitality and Tourism Law	<u>45</u>	<u>0</u>	<u>3.0</u>
	270	0	18.0

Y4 S2			
HTM 420: Project Management	45	0	3.0
HTM 421: Strategic Management in Hospitality and Tourism	45	0	3.0
HTM 422: Research Project II	45	0	3.0
TMO 423: Quality Management Systems	45	0	3.0
TMO 424: Sustainable Tourism Management	45	0	3.0
TMO 425: Domestic and Regional Tourism	<u>45</u>	<u>0</u>	<u>3.0</u>
HTM 430: Industrial Attachment II (Internship)	<u>270</u>	<u>0</u>	<u>18.0</u>
	540	0	36.0

Diploma in Banking and Finance

Goal of the Program

Keeping in view job prospects in banking & financial sector the objective of the course is to give in-depth knowledge of Banking and Finance to the students of commerce, management and economics with practical inputs and prepare them for career in Banks & other Financial Institutions.

Expected Learning Outcomes of the Program

Upon successful completion of this course, graduates will be able to:

a) Knowledge and Understanding

6. Explain basic concepts and principles of Banking and Finance
7. Describe the functions and management of financial institutions.

b) Skills

8. Apply key concepts of Banking and Finance skills to solve management problems in service organizations.
9. Demonstrate knowledge and skills in information technology competencies required in banking and finance practices.

c) Professional Development and Attitudes

10. Interpret economics and accounting data relevant to financial services and use the information to make decisions.
11. Conduct research relevant to financial services, and analyze information using analytical tools and problem-solving skills.

Minimum Admission Requirements

- a) An applicant should have at least a mean grade of C- (minus) in the Kenya Certificate of Secondary Education

OR

- b) Be a holder of a relevant Certificate from a recognized institution.

Graduation Requirements

To qualify for graduation, students enrolled in this program shall be required to pass all required courses within the stipulated time; that is, shall complete a minimum of **87** credit factors divided as follows:

- 4 University Common Courses * 3 CFS = 12 CFS
 - 25 core units * 3 CFS = 75 CFS
- 87 CFS**

Program Structure

Year One Semester One

Code	Course Title	P	L	P/T	CF
BIBL 110	Old Testament Survey		45	0	3.0
DBF 111	Principles of Banking				
DBF 110	Foundations of Accounting I		45	0	3.0
DBF 112	Introduction to Microeconomics		45	0	3.0
DBF 113	Communication Skills		45	0	3.0
DBF 114	General Mathematics		45	0	3.0
DBF 115	Introduction to Computers		45	0	3.0
			30	15	3.0
	TOTAL		300	15	21

Year One Semester Two

Code	Course Title	P	L	P/T	CF
BIBL 120	New Testament Survey	BIBL 110	45	0	3.0
DBF 120	Foundations of Accounting II	DBF 110	45	0	3.0
DBF 121	Principles of Marketing		45	0	3.0

DBF 122	Introduction to Macroeconomics	DBF 112	45	0	3.0
DBF 123	Principles and Practice of Management		45	0	3.0
DBF 124	Principles of Microfinance	DBF 111	45	0	3.0
DBF 125	Business Communication	DBF 113	45	0	3.0
	TOTAL		315	0	18

Year Two Semester one

Code	Course Title	P	L	P/T	CF
DBF 210	Introduction to Business Statistics		45	0	3.0
DBF 211	Introduction to Risk and Insurance		45	0	3.0
DBF 212	Investment Banking	DBF 124	45	0	3.0
DBF 213	Human Resource and Management	DBF 123	45	0	3.0
DBF 214	Entrepreneurship Skills		45	0	3.0
DBF 215	Co-operative Banking	DBF 111	45	0	3.0
DBF 216	Banking Law and Practice	DBF 111	45	0	3.0
	TOTAL		315	0	21

Year Two Semester Two

Code	Course Title	P	L	P/T	CF
BIBL 222	Christian Ethics		45	0	3.0
DBF 221	Principles of Finance		45	0	3.0
DBF222	Strategic Marketing and Customer care	DBF 121	45	0	3.0
DBF223	International Trade Finance		45	0	3.0

DBF 224	Public Finance and Taxation		45	0	3.0
DBF 225	Fundamentals of Research Methods	DBF 210	45	0	3.0
DBF 226	Research Project	DBF 210	30	15	3.0
	TOTAL		300	15	21
DBF 230	Industrial attachment (8wks)		-	300	3.0

Diploma in Business administration

Goal of the Program

The goal of the course is to give in-depth knowledge of Business administration to the students of commerce, management and economics with practical inputs and prepare them for a career in Banks & other Financial Institutions.

Minimum Admission Requirements

1. An applicant should have at least a mean grade of C- (minus) in the Kenya Certificate of Secondary Education OR,
2. Be a holder of relevant Certificate from a recognized institution.
3. Be a holder of any other qualification from a recognized institution as equivalent to any of the above.

Expected Learning Outcomes of the Program

Upon successful completion of this course, graduates will be able to:

12. Explain the basic concepts and principles of Business administration
13. Apply key concepts of Business administration skills to solve management problems in service organizations.
14. Demonstrate knowledge and skills in information technology competencies required in Business administration practices.
15. Interpret economics and accounting data relevant financial services and use the information to make decisions.
16. Conduct research relevant to business and analyze information by using analytical tools and problem-solving skills.
17. Describe the functions and management of Business Organizations institutions.

Graduation Requirements

To qualify for graduation, students enrolled in this program shall be required to pass all required courses within the stipulated time; that is, shall complete a minimum of 87 credit factors divided as follows:

- a) University Common Courses: 4 courses x 3 CFs = **12** credit factors

b) Core Courses: 25 courses x 3 CFs = **75** credit factors

Program Structure

	L	P/T	C.F.
Y1 S1			
BIBL 110: Old Testament Survey	45	0	3.0
DBA 110: Foundations of Accounting 1	45	0	3.0
DBA 111: Introduction to Business	45	0	3.0
DBA 112: Introduction to Microeconomics	45	0	3.0
DBA 113: Communication Skills	45	0	3.0
DBA 114: General Mathematics	45	0	3.0
DBA 115: Introduction to Computers	<u>45</u>	<u>0</u>	<u>3.0</u>
	300	30	21.0
Y1 S2			
BIBL 120: New Testament Survey	45	0	3.0
DBA 120: Foundation of Accounting 11	45	0	3.0
DBA 121: Computer Programming for business	45	0	3.0
DBA 122: Introduction to Macroeconomics	45	0	3.0
DBA 123: Principles of Management	45	0	3.0
DBA 124: Management Mathematics	45	0	3.0
DBA 125: Principles of Procurement	45	0	3.0
	<u>315</u>	<u>0</u>	<u>21.0</u>
	600	0	42.0
Y2 S1			
DBA 210: Business Statistics	45	0	3.0
DBA 211: Introduction to Risk and Insurance	45	0	3.0
DBA 212: Tax Management	45	0	3.0
DBA 213: Human Resource Management	45	0	3.0
DBA 214: Entrepreneurship Skills	45	0	3.0
DBA 215: Principles of Marketing	45	0	3.0
DBA 216: Introduction to Business Law	<u>45</u>	<u>0</u>	<u>3.0</u>
	315	0	21.0
Y2 S2			
DBA 220: Organizational Behaviour	45	0	3.0
DBA 221: Business Communication and Writing Skills	45	0	3.0
DBA 222: Quantitative Techniques	45	0	3.0
DBA 223: Managerial Accounting and control	45	0	3.0
DBA 224: Business Finance	45	0	3.0
DBA 225: Research Methodology	45	0	3.0
DBA 226: Research Project	45	0	3.0
	<u>315</u>	<u>0</u>	<u>21.0</u>
	630	0	42
(DBA230:INDUSTRIAL ATTACHMENT 8 WEEKS MINIMUM)			

Diploma in Business Information Technology

This programme prepares students to become specialists in the Information Technology to meet the needs of modern businesses. It is developed to meet the increasing demand in the work place for IT professionals with IT skills, a wide knowledge of business management and the ability to offer support in the development and implementation of IT-based solutions in a competitive business environment.

Minimum Admission Requirements

KCSE C- (Minus)

Expected Learning Outcomes

Upon successful completion of this course it is expected that graduates will be able to:

- 1) explain how current business information systems can be used to solve business problems
- 2) use the Information Technology knowledge or techniques to develop business information systems
- 3) analyze and interpret business data and processes
- 4) design a business information system software
- 5) communicate effectively at a professional level with clients, system users and peers

Graduation Requirements

A student must have taken and passed the eighteen (28) required modules to be considered for the award of the Diploma.

Program Structure

Y1 S1 Y1 SEM I	<u>L</u>	<u>P/T</u>	<u>C.F.</u>
BIBL 110: Old Testament Survey	45	0	3.0
DBIT 110: Foundations of Accounting I	45	0	3.0
DBIT 111: Introduction to Business	45	0	3.0
DBIT 112: Introduction to Micro Economics	45	0	3.0
DBIT 113: Communication Skills	45	0	3.0
DBIT 114 General Mathematics	45	0	3.0

DBIT 115	Fundamentals of Information Technology	45	0	3.0
		<u>45</u>	<u>0</u>	<u>3.0</u>
		315	0	21.0
Y1 SEM 2				
BIBL 120:	New Testament Survey	45	0	3.0
DBIT 120:	Foundations of Accounting II	45	0	3.0
DBIT 121:	Business Mathematics	45	0	3.0
DBIT 122:	Introduction to Macro Economics	45	0	3.0
BMGT 123:	Principles of Management	45	0	3.0
DBIT 124:	Fundamentals of Computer Programming	45	0	3.0
DBIT 125:	Introduction to Application Software	<u>45</u>	<u>0</u>	3.0
		315	0	21.0
YEAR TOTAL		630	0	42.0
Y2 SEM 1				
DBIT 210:	Business Statistics	45	0	3.0
DBIT 211:	Fundamentals of Database Mgt systems	45	0	3.0
DBIT 212 :	Desktop Applications programming	45	0	3.0
DBIT 213:	Human Resource Management	45	0	3.0
DBIT 214:	Entrepreneurship Skills	45	0	3.0
DBIT 215 :	Quantitative Techniques	45	0	3.0
DBIT 216:	Introduction to Business Law	45	0	3.0
DBIT 215 :	Object Oriented Programming Techniques	<u>45</u>	0	3.0
		315	0	21.0
Y2 SEM 2				
DBIT 220:	Business Finance	45	0	3.0
DBIT 221:	Business Communication and Writing Skills	45	0	3.0

DBIT 222 : Principles of Marketing	45	0	3.0
DBIT 223: Web Applications Programming	45	0	3.0
DBIT 224: Structured Programming	45	0	3.0
DBIT 225 : Research methodology	45	0	3.0
DBIT 226: Research project	<u>45</u>	<u>0</u>	<u>3.0</u>
YEAR TOTAL	<u>315</u>	<u>0</u>	<u>21.0</u>
DBIT 230 Industrial Attachment (8 Weeks)	630	210	42.0

Diploma in Business Management

The programme is designed to benefit students interested in acquiring knowledge in business management but cannot be admitted to postgraduate diploma programme or degree programmes. It aims to equip learners with concepts, practical skills and techniques necessary in decision making.

Minimum Admission Requirements

KCSE C- (C minus)

Expected Learning Outcomes

Upon successful completion of this course it is expected that graduates will be able to:

1. Interpret fundamental business concepts and apply the principles of business management in modern organizations.
2. Integrate the theory and practice of management with the fundamental principles of business management, financial management, operations management, strategic planning, and marketing.
3. Examine the influences of competitive business environment on business operations and globalization of business.
4. Identify the prevailing legal principles and ethical issues associated with business operations.

Graduation Requirements

To qualify for graduation, students enrolled in this course shall complete a minimum of **84** credit factors divided as follows:

- a) University Common Courses: 6 courses x 3 Cf's = **18** credit factors
- b) Core Courses in Business management: 22 courses x 3 Cf's = 66 credit factors

Program Courses

Year 1 Semester 1

Code	Title	Credit Factor	Lecture Hours
DBM 105:	Old Testament Survey	3	45
DBM 110:	Introduction to Business	3	45
DBM 115:	Introduction to Computer	3	45
DBM 120:	Introduction to Microeconomics	3	45

DBM 125:	Communication Skills I	3	45
DBM 130:	General Mathematics	3	45
DBM 135:	Foundations of Accounting 1	3	45

Year 1 Semester 2

DBM 140:	New Testament Survey	3	45
DBM 145:	Computer Programming for business	3	45
DBM 150:	Foundation Accounting 11	3	45
DBM 155:	Principles of Management	3	45
DBM 160:	Introduction to Macroeconomics	3	45
DBM 165:	Management Mathematics 1	3	45
DBM 170:	Communication Skills II	3	45

Year 2 Semester 1

DBM 205:	Intermediate Accounting 1	3	45
DBM 210:	The Redemption Story	3	45
DBM 215:	Intermediate Microeconomics	3	45
DBM 220:	Business Statistics 1	3	45
DBM 225:	Introduction to Risk and Insurance	3	45
DBM 230:	Management Mathematics 11	3	45
DBM 235:	Human Resource Management	3	45

Year 2 Semester 2

DBM 240:	Christian Ethics	3	45
DBM 245:	Intermediate Macroeconomics 11	3	45
DBM 250:	Intermediate Accounting 11	3	45
DBM 255:	Business Statistics 11	3	45
DBM 260:	Business Communication	3	45
DBM 265:	Principles of Marketing	3	45
DBM 270:	Business Finance	3	45

Diploma in Hospitality Management

The Hospitality Management Program prepares students to become leaders who demonstrate the necessary managerial skills and competencies to make positive contributions to the global hospitality and Tourism industry.

Minimum Admission Requirements

KCSE C- (Minus)

Expected Learning Outcomes

Upon successful completion of the Diploma course, the graduate will be able to:

1. Demonstrate knowledge and application of technological competencies required in the hospitality industry.
2. Analyze, evaluate and solve managerial challenges in the hospitality industry.
3. Conduct research and analyze information by using both human and technological resources within the hospitality industry.
4. Demonstrate management skills in designing, implementing and evaluating services, events and programs in hospitality industry.
5. Assess and mitigate the legal risks associated with hospitality business practices and identify appropriate risk management techniques to minimize those risks.

Graduation Requirements

To qualify for graduation, students shall complete a minimum of **87** credit factors divided as follows:

- a) University Common Courses: **4** courses x 3 CFs = **12** credit factors
- b) Core Courses in Business and Hospitality Management: **25** courses x 3 CFs = **75** credit factors. The Units include **Research Project** and **Industrial Attachment**

Program Structure

Year One Semester One

Code	Course Title	P	L	P/T	CF
BIBL 110	Old Testament Survey		45	0	3.0
DHM 110	Foundations of Accounting I		45	0	3.0
DHM 111	Introduction to Hospitality Operations		45	0	3.0
DHM 112	Introduction to Microeconomics		45	0	3.0
DHM 113	Business Communication Skills		45	0	3.0

DHM 114	General Mathematics		45	0	3.0
DHM 115	Computer Applications		45	0	3.0
		TOTAL	315	0	21

Year One Semester Two

Code	Course Title	P	L	P/T	CF
BIBL 120	New Testament Survey		45	0	3.0
DHM 120	Food Production Theory		45	0	3.0
DHM 121	Food Production Lab		45	0	3.0
DHM 122	Introduction to Macroeconomics		45	0	3.0
DHM 123	Principles of Management		45	0	3.0
DHM 124	Food and Beverage Service and Sales Theory		45	0	3.0
DHM 125	Accommodation Management		45	0	3.0
		TOTAL	315	0	18

Year Two Semester one

Code	Course Title	P	L	P/T	CF
DHM 210	Business Statistics		45	0	3.0
DHM 211	Food Safety and Hygiene		45	0	3.0
DHM 212	Introduction to Nutrition		45	0	3.0
DHM 213	Human Resource Management		45	0	3.0
DHM 214	Entrepreneurship skills in HTM		45	0	3.0
DHM 215	Marketing Hospitality and Tourism		45	0	3.0
DHM 216	Food and Beverage Service and Sales Lab		45	0	3.0
		TOTAL	315	0	21

Year Two Semester Two

Code	Course Title	P	L	P/T	CF
DHM 220	Organizational Behavior		45	0	3.0

DHM 221	Public Relations		45	0	3.0
DHM 222	Front Office Operations		45	0	3.0
DHM 223	Food and Beverage Production Management		45	0	3.0
DHM 224	Service Quality Management		45	0	3.0
DHM 225	Introduction to Research Methods		45	0	3.0
DHM 226	Hospitality Research Project		45	0	3.0
	TOTAL		315	0	21
DHM 230	Industrial attachment (8wks)		300		3.0

Diploma in Human Resource Management

The course develops practical skills and knowledge in human resources and so that human resources management functions are effectively conducted in an organization or business area. The course has been developed to meet the increasing demand for Human Resource Management professionals in the modern business environment with skills and a wide knowledge of Human Resource Management, equipping them to take advantage of emerging business opportunities in Kenya and beyond.

Minimum Admission Requirements

KCSE C- (Minus)

Expected Learning Outcomes

Upon successful completion of this course, students will be able to:

- 1) Explain the concepts and theories of human Resource management.
- 2) Apply the principles of Human Resource Management in modern organizations.
- 3) Analyze the methodologies and techniques necessary to manage the Human Resource function.
- 4) Describe Human Resource Management processes and systems
- 5) Apply HR Values and ethical practices to solve human Resource problems in organizations

Graduation Requirements

To qualify for graduation, students enrolled in this course shall complete a minimum of **87** credit factors divided as follows:

- a) University Common Courses: 6 courses x 3 Cf's = **18** credit factors
- b) Core Courses in Human Resource Management: 23 courses x 3 Cf's = 69 credit factors. The courses include Research project and industrial Attachment.

Program Structure

Year One Semester One

Code	Course Title	P	L	P/T	CF
BIBL 110	Old Testament Survey		45	0	3.0
DHRM 110	Foundations of Accounting I		45	0	3.0
DHRM 111	Introduction to Business		45	0	3.0

DHRM 112	Introduction to Microeconomics		45	0	3.0
DHRM 113	Communication Skills		45	0	3.0
DHRM 114	General Mathematics		45	0	3.0
DHRM 115	Introduction to Computers		30	15	3.0
	TOTAL		300	15	21

Year One Semester Two

Code	Course Title	P	L	P/T	CF
BIBL 120	New Testament Survey		45	0	3.0
DHRM 120	Foundations of Accounting II		45	0	3.0
DHRM 121	Principles of Marketing		45	0	3.0
DHRM 122	Introduction to Macroeconomics		45	0	3.0
DHRM 123	Principles of Management		45	0	3.0
DHRM 124	Introduction to HRM		45	0	3.0
DHRM 125	Business Communications and PR		45	0	3.0
	TOTAL		315	0	18

Diploma in Monitoring and Evaluation

Goal of the Programme

The courses' objective is to equip students with knowledge and skills in Project Monitoring and Evaluation; and enables them to be able to involve the communities in the whole process of project implementation.

Admission Requirements for the proposed Program

- a) An applicant should have at least a mean grade of C- (minus) in the Kenya Certificate of Secondary Education

OR

- b) Be a holder of relevant Certificate from a recognized institution.

Expected Learning Outcomes of the Programme

Upon successful completion of this course, graduates will be able to:

1. Explain the principles and concepts of monitoring and evaluation of projects
2. Demonstrate knowledge and skills in information technology competencies required in monitoring and evaluation of projects.
3. Interpret economics and accounting relevant to monitoring and evaluation of projects and use the information to make decisions.
4. Apply key concepts and skills in project monitoring and evaluation to solve problems related to projects in organizations.
5. Conduct research relevant to projects monitoring and evaluation, and analyze information by using analytical tools, and problem solving skills.

Graduation Requirements

To qualify for graduation, students enrolled in this program shall be required to pass all required courses within the stipulated time; that is, shall complete a minimum of **87** credit factors divided as follows:

- 4 University Common Courses * 3 CFS = 12 CFS
 - 25 core units * 3 CFS = 75 CFS
- 87 CFS**

Program Structure

Year One Semester One

Code	Course Title	P	L	P/T	CF
BIBL 110	Old Testament Survey		45	0	3.0
DME 110	Foundations of Accounting I		45	0	3.0
DME 112	Introduction to Microeconomics		45	0	3.0
DME 113	Communication Skills		45	0	3.0
DME 114	General Mathematics		45	0	3.0
DME 115	Introduction to Computers		45	0	3.0
DME 116	Conflict Management and Dispute Resolution		30	15	3.0
	TOTAL		300	15	21

Year One Semester Two

Code	Course Title	P	L	P/T	CF
BIBL 120	New Testament Survey	BIBL 110	45	0	3.0
DME 120	Foundations of Accounting II	DME 110	45	0	3.0
DME 121	Introduction to Macroeconomics	DME 112	45	0	3.0
DME 123	Principles and Practice of Management		45	0	3.0

DME 124	Management Mathematics I	DME 114	45	0	3.0
DME 125	Project Planning and Design		45	0	3.0
DME 126	Principles of Monitoring and Evaluation		45	0	3.0
	TOTAL		315	0	18

Year Two Semester one

Code	Course Title	P	L	P/T	CF
DME 210	Introduction to Business Statistics	DME 124	45	0	3.0
DME 211	Introduction to Risk and Insurance		45	0	3.0
DME 212	Project Quality and management	DME 125	45	0	3.0
DME 213	Human Resource Management		45	0	3.0
DME 213	Data Analysis and Reporting		45	0	3.0
DME 214	Entrepreneurship skills		45	0	3.0
DME 215	Project Risk Management	DME 125	45	0	3.0
	TOTAL		315	0	21

Year Two Semester Two

Code	Course Title	P	L	P/T	CF
DME 221	Principles of Finance		45	0	3.0
DME 222	Business Statistics II	DME 210	45	0	3.0
DME 223	Tools in Monitoring and Evaluation	DME 212	45	0	3.0
DME 224	Project Control	DME 215	45	0	3.0
DME 225	Research Methods for Business	DME 210	45	0	3.0

DME 226	Research Project		30	15	3.0
		TOTAL	300	15	21
DME 230	Industrial attachment (8wks)		-	300	3.0

Diploma in Procurement and Logistics Management

The program is designed to provide the skills and knowledge required by individuals wishing to pursue a career in an area of procurement, supply, logistics, tendering or contract management.

Minimum Admission Requirements

KCSE C- (C minus)

Expected Learning Outcomes

Y1 S1

Code	Unit Title	Credit Factor	Lecture
DPL 105:	Old Testament Survey	3	45
DPL 110:	Introduction to Business	3	45
DPL 115:	Introduction to Computer	3	45
DPL 120:	Introduction to Microeconomics	3	45
DPL 125:	Communication Skills	3	45
DPL 130:	Introduction to Purchasing & Supplies Management	3	45
DPL 135:	Warehouse Management	3	45

Y1 S2

DPL 140:	New Testament Survey	3	45
DPL 145:	Computer Programming for business	3	45
DPL 150:	Principles of Management	3	45
DPL 155:	Foundations of Accounting	3	45
DPL 160:	Principles of Supply Chain Management	3	45
DPL 165:	Introduction to Storage and Logistics	3	45
DPL 170:	Purchasing Management	3	45

Y2 S1

DPL 205:	The Redemption Story	3	45
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DPL 210:	Business Statistics I	3	45
DPL 215:	Introduction to Risk and Insurance	3	45
DPL 220:	Human Resource Management	3	45
DPL 225:	Public Private Partnerships	3	45
DPL 230:	Operations Management	3	45
DPL 235:	Foundations of International Business	3	45
Y2 S2			
DPL 240:	Christian Ethics	3	45
DPL 245:	Business Statistics II	3	45
DPL 250:	Business Communication	3	45
DPL 255:	Business Finance	3	45
DPL 260:	Principles of Marketing	3	45
DPL 265:	Public Procurement	3	45
DPL 270:	Supplier Relationship Management	3	45

Diploma in Project Management

Goal of the Programme

The courses' objective is to equip students with knowledge and skills in Project Management; and enables them to be able to involve the communities in the whole process of project implementation.

Minimum Admission Requirements

- c) An applicant should have at least a mean grade of C- (minus) in the Kenya Certificate of Secondary Education
OR
- d) Be a holder of relevant Certificate from a recognized institution.

Expected Learning Outcomes

Upon successful completion of this course, graduates will be able to:

- 6. Explain basic concepts and principles of project management
- 7. Describe the roles of project managers and stakeholders in management of projects.
- 8. Apply key concepts and skills in project management to solve problems related to projects in organizations.
- 9. Interpret economics and accounting of projects and use the information to make decisions.
- 10. Conduct research relevant to project management, and analyze information by using analytical tools, and problem solving skills.

Graduation Requirements

To qualify for graduation, students enrolled in this program shall be required to pass all required courses within the stipulated time; that is, shall complete a minimum of **87** credit factors divided as follows:

- 4 University Common Courses * 3 CFS = 12 CFS
- 25 core units * 3 CFS = 75 CFS

Program Structure

Year One Semester One

Code	Course Title	P	L	P/T	CF
BIBL 110	Old Testament Survey		45	0	3.0
DPM 110	Foundations of Accounting I		45	0	3.0
DPM 112	Introduction to Microeconomics		45	0	3.0
DPM 113	Communication Skills		45	0	3.0
DPM 114	General Mathematics		45	0	3.0
DPM 115	Introduction to Computers		45	0	3.0
DPM 116	Project Procurement and Management		30	15	3.0
	TOTAL		300	15	21

Year One Semester Two

Code	Course Title	P	L	P/T	CF
BIBL 120	New Testament Survey	BIBL 110	45	0	3.0
DPM 120	Foundations of Accounting II	DPM 110	45	0	3.0
DPM 121	Introduction to Macroeconomics	DPM 112	45	0	3.0
DPM 123	Management Mathematics I	DPM 114	45	0	3.0
DPM 124	Principles and Practice of Management		45	0	3.0
DPM 125	Project Planning and Design	DPM 116	45	0	3.0
DPM 126	Principles of Monitoring and Evaluation	DPM 116	45	0	3.0

	TOTAL		315	0	18
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Year Two Semester one

Code	Course Title	P	L	P/T	CF
BIBLE 210	The Redemption Story				
DPM 210	Business Statistics I	DPM 123	45	0	3.0
DPM 211	Introduction to Risk and Insurance		45	0	3.0
DPM 212	Project quality and management	DPM 126	45	0	3.0
DPM 213	Fundamentals of Research Methods		45	0	3.0
DPM 214	Governance and Ethics		45	0	3.0
DPM 213	Project Risk Management	DPM 125	45	0	3.0
	TOTAL		315	0	21

Year Two Semester Two

Code	Course Title	P	L	P/T	CF
BIBL 222	Christian Ethics		45	0	3.0
DPM 221	Introduction Finance		45	0	3.0
DPM 222	Business Statistics II	DPM 210	45	0	3.0
DPM 223	Research Methods for Business	DPM 213	45	0	3.0
DPM 224	Project Management Methodologies	DPM 213	45	0	3.0
DPM 225	Project sustainability	DPM 213	45	0	3.0
DPM 226	Research Project		30	15	3.0
	TOTAL		300	15	21
DPM 230	Industrial attachment (8wks)		-	300	3.0

Diploma in Sales and Marketing

The course prepares students to meet the increasing demand for Sales and Marketing professionals in the modern business environment with skills and a wide knowledge of Sales and Marketing, equipping them to take advantage of emerging business opportunities in Kenya and beyond.

Minimum Admission Requirements

KCSE C- (Minus)

Expected Learning Outcomes

Upon successful completion of this course, students will be able to:

- 1) Explain the concepts and principles of Sales and Marketing
- 2) Apply the principles of Sales and Marketing in solving marketing problems in modern organizations.
- 3) Describe the theoretical basis of Sales and Marketing
- 4) Analyze the methodologies and techniques necessary to manage the marketing function.
- 5) Describe Sales and Marketing processes and systems
- 6) Apply Marketing Values and ethical practices which contribute positively to organizational effectiveness.

Minimum Graduation Requirements

To qualify for graduation, students enrolled in this course shall complete a minimum of **87** credit factors divided as follows:

- a) University Common Courses: **4** courses x 3 Cf's = **12** credit factors
- b) Core Courses in Sales and Marketing: **25** courses x 3 Cf's = **75** credit factors. The courses include Research project and industrial Attachment.

Program Structure

Year One Semester One

Code	Course Title	P	L	P/T	CF
BIBL 110	Old Testament Survey		45	0	3.0
DSM 110	Foundations of Accounting I		45	0	3.0
DSM 111	Introduction to Business		45	0	3.0

DSM 112	Introduction to Microeconomics		45	0	3.0
DSM 113	Communication Skills		45	0	3.0
DSM 114	General Mathematics		45	0	3.0
DSM 115	Introduction to Computers		30	15	3.0
	TOTAL		300	15	21

Year One Semester Two

Code	Course Title	P	L	P/T	CF
BIBL 120	New Testament Survey		45	0	3.0
DSM 120	Selling and Sales Management		45	0	3.0
DSM 121	Principles of Marketing		45	0	3.0
DSM 122	Marketing Channels Management		45	0	3.0
DSM 123	Service Marketing		45	0	3.0
DSM 124	Marketing Communication		45	0	3.0
DSM 125	Marketing Planning and Control		45	0	3.0
	TOTAL		315	0	18

Year Two Semester One

Code	Course Title	P	L	P/T	CF
DSM 210	Digital Marketing		45	0	3.0
DSM 211	Quality Management		45	0	3.0
DSM 212	Quantitative Techniques		45	0	3.0
DSM 213	Sales and Marketing		45	0	3.0
DSM 214	Marketing Research		45	0	3.0
DSM 215	Brand Management		45	0	3.0
DSM 216	Introduction to Financial Management		45	0	3.0

	TOTAL		315	0	21
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Year Two Semester Two

Code	Course Title	P	L	P/T	CF
DSM 220	Financial Management		45	0	3.0
DSM 221	Strategic Sales and Marketing		45	0	3.0
DSM 222	International Marketing		45	0	3.0
DSM 223	E-marketing		45	0	3.0
DSM 224	Sports Marketing		45	0	3.0
DSM 225	Business to Business Marketing		45	0	3.0
DSM 226	Research Project		30	15	3.0
	TOTAL		300	15	21
DSM 230	Industrial attachment (8wks)		-	230	3.0

Diploma in Tourism Management

The Tourism Management Program prepares students to become leaders who demonstrate the necessary managerial skills and competencies to make positive contributions to the global hospitality and Tourism industry.

Minimum Admission Requirements

KCSE C- (Minus)

Expected Learning Outcomes

Upon successful completion of the Diploma course, the graduate will be able to:

1. Demonstrate knowledge and application of technological competencies required in the tourism industry.
2. Analyze, evaluate and solve managerial challenges in the tourism industry.
3. Conduct research and analyze information by using both human and technological resources within the tourism industry.
4. Demonstrate management skills in designing, implementing and evaluating services, events and programs in tourism industry.
5. Assess and mitigate the legal risks associated with tourism business practices and identify appropriate risk management techniques to minimize those risks.

Graduation Requirements

To qualify for graduation, students enrolled in this program shall complete a minimum of **87** credit factors divided as follows:

- a) University Common Courses: **4** courses x 3 CFs = **12** credit factors
- b) Core Courses in Business, Hospitality and Tourism management: **25** courses x 3 CFs = **75** credit factors. The Units include **Research Project** and **Industrial Attachment**

Program Structure

Year One Semester One

Code	Course Title	P	L	P/T	CF
BIBL 110	Old Testament Survey		45	0	3.0
DHTM 110	Foundations of Accounting I		45	0	3.0
DHTM 111	Introduction to the Hospitality and Tourism Industry		45	0	3.0
DHTM 112	Introduction to Microeconomics		45	0	3.0

DHTM 113	Business Communication Skills		45	0	3.0
DHTM 114	General Mathematics		45	0	3.0
DHTM 115	Computer Applications		45	0	3.0
	TOTAL		315	0	21

Year One Semester Two

Code	Course Title	P	L	P/T	CF
BIBL 120	New Testament Survey		45	0	3.0
DHTM 120	Introduction to Travel and Tour Operations		45	0	3.0
DTM 121	Introduction to Flora and Fauna of East Africa		45	0	3.0
DHTM 122	Introduction to Macroeconomics		45	0	3.0
DHTM 123	Principles of Management		45	0	3.0
DTM 124	Tourism and the Environment		45	0	3.0
DTM 125	Introduction to Travel Geography		45	0	3.0
	TOTAL		315	0	18

Year Two Semester one

Code	Course Title	P	L	P/T	CF
DHTM 210	Business Statistics		45	0	3.0
DTM 211	Tour Operations Techniques		45	0	3.0
DTM 212	Introduction to Airfare and Ticketing		45	0	3.0
DHTM 213	Human Resource Management		45	0	3.0
DHTM 214	Nature and Wildlife knowledge		45	0	3.0
DHTM 215	Marketing in Hospitality and Tourism		45	0	3.0

DHTM 216	Introduction to Hospitality and Tourism Law		45	0	3.0
	TOTAL		315	0	21

Year Two Semester Two

Code	Course Title	P	L	P/T	CF
DHTM 220	Organizational Behavior		45	0	3.0
DHTM 221	Customer Service and Public Relations in Tourism		45	0	3.0
DHTM 222	Tourism Facilities Management		45	0	3.0
DHTM 223	Ecotourism		45	0	3.0
DHTM 224	Tourism Service Quality Management		45	0	3.0
DHTM 225	Research Methods		45	0	3.0
DHTM 226	Tourism Research Project		45	0	3.0
	TOTAL		315	0	21
DHTM 230	Industrial attachment (8wks)		300		3.0

SCHOOL OF EDUCATION, HUMANITIES AND SOCIAL SCIENCES

Doctor of Philosophy in Education

Program Goal

The goal of Doctor of Philosophy in Education is to impart knowledge and skills on a wide range of issues in the areas of Education Management and Leadership, Guidance and Counseling, Curriculum Studies, Education Communication and Technology and Education Psychology

The main drive behind this programme is to provide students with a firm foundation that prepares them to take roles as University academic staff members, senior-level professional educational managers, Leaders, Psychologists, Counselors, Pedagogues, Education Communication Experts, Curriculum Developers, Policy Makers, Curriculum Developers and Researchers. After students earn a doctoral degree in Education they can start or continue careers Education Management, Education Leadership, Guidance and Counseling, Curriculum development, Education Psychology, Education Communication and Technology and Education Psychology in tertiary institutions and the private sector.

Requirements for admission into the Doctor of Philosophy in Education

Holders of Master of Education or Master of Philosophy in Education Administration and Management , Management and Leadership, Guidance and Counselling, Curriculum Studies, Education Communication and Technology and Education Psychology degrees from Kabarak University or any other university recognized by CUE.

Programme Learning Outcomes

Programme learning outcomes for PhD in Education (with specialization in Education Management and Leadership)

By the end of the programme students should be able to:

1. Apply theories of education management to manage educational institutions.
2. Apply knowledge and skills acquired to plan, supervise and manage educational institutions.
3. Manage human resources in educational institutions
4. Manage labor relations and Assure quality of educational resources and activities in Educational institutions
5. Coordinate and ensure security and safety of educational personnel and property.
6. Demonstrate ethical and professional behavior in the workplace
7. Conduct research in education management and leadership.

8. Form positive attitude towards effective use of modern and advance management skills

Programme learning outcomes for PhD in Education (with specialization in Curriculum Studies)

By the end of the programme students should be able to:

1. Apply theories of curriculum development
2. Articulate issues involved in curriculum change in Kenya
3. Carry out research in curriculum studies.
4. Develop curricular for Secondary schools, teacher training institutions and universities
5. Design and produce media resources for classroom instruction
6. Form positive attitude towards curriculum change and innovation
7. Demonstrate ethical and professional behaviour in the workplace

Programme learning outcomes for PhD in Education (with specialization in Education Communication and Technology)

By the end of the programme the learner should be able to:

1. Apply relevant theories in Education Communication and Technology
2. Prepare and utilize education media for instruction
3. Apply advance instructional methods to teach at the tertiary level
4. Apply instructional methods to teach students enrolled in distance education
5. Form positive attitude towards use of advanced technology in education
6. Demonstrate ethical and professional behaviour in the workplace

Programme learning outcomes for PhD in Education (with specialization in Guidance and Counselling)

By the end of the programme the learner should be able to:

1. Analyze various theories and principles relevant to guidance and counseling
2. Conduct individual and group therapy in personal, social and career related issues
3. Advise institutions on the modalities of establishing and running effective guidance and counseling departments
4. Design and facilitate guidance and counseling related seminars
5. Carry out research in guidance and counselling in Kenya.
6. Form positive attitude towards counselling activities
7. Demonstrate ethical and professional behaviour in the workplace

Programme learning outcomes for PhD in Education (with specialization in Educational Psychology)

By the end of the programme, the learner should be able to:

1. Apply theories of learning and behavior.
2. Carry out standard testing and measurements

3. Diagnose specific conditions related to psychological health.
4. Articulate factors affecting child growth and development
5. Carry out research in education psychology in Kenya.
6. Form positive attitude towards education psychology
7. Demonstrate ethical and professional behaviour in the workplace

Graduation Requirement

To qualify for graduation, students enrolled in The Doctor of Philosophy in Education (*with specialization in Education Management and Leadership, Guidance and Counseling, Curriculum Studies, Education Communication and Technology and Education Psychology*) programme shall pass all courses and complete a total of 53 credit factors divided as follows:

- a) In each specialization , the Doctor of Philosophy in Education programme shall have 3 common Courses: 9 credit factors
- b) In each specialization , the Doctor of Philosophy in Education programme shall have 9 specialization Courses: 27 credit factors
- c) In each specialization , the Doctor of Philosophy in Education programme shall have Thesis work: 24 credit factors
- d) PhD oral examination based on area of specialization 3CF(Must obtain 60% of the required marks)

Total credit factors required for graduation will be 53 with a pass mark of 50%.

Program Structure

The Doctor of Philosophy in Education (*with specialization in Education Management and Leadership, Curriculum Studies, Education Communication and Technology, Guidance and Counseling, and Education Psychology*) degree will be offered to students with relevant Masters Degrees. All students in the specialization will be required to take Doctor of Philosophy in Education core courses and the compulsory specialization courses. Students wishing to graduate must have completed all course work and thesis or project before they can apply to graduate.

Course Unit Distribution

Course Unit Category	Number of Course Units or Equivalent
Graduate Doctorate Common Course	1=3cfs
School Common Units	3=9cfs
Course Core Units	6=18cfs
Course Elective Units	2=6cfs and 1 oral comprehensive exam:3cfs
Thesis	Equivalent of 28 =84cfs
Total	54cfs

YEAR 1 SEM 1 COMMON COURSES

CODE	COURSE TITLE	CF	LEC	PR	TOT
BIBL 810	Christian World view and Philosophical foundation	3.0	45	0	45

EDPS 812	Advanced Educational Statistics & Data Analysis	3.0	45	0	45
EDPS 811	Advanced Research Methods in Education	3.0	45	0	45
EDMA810	Education Policy Formulation, Analysis and Implementation	3.0	45	0	45

**COURSE SCHEDULE FOR DOCTOR OF PHILOSOPHY IN EDUCATION
(MANAGEMENT AND LEADERSHIP)**

YEAR 1 SEMESTER 2

CODE	COURSE TITLE	CF	LEC	PR	TOT
EDMA 811	Modern and postmodern theories in management & Leadership	3.0	45	0	45
EDMA 812	Advanced HRM in Education	3.0	45	0	45
EDMA 813	Emerging Issues in Educational Leadership	3.0	45	0	45
	ELECTIVES (CHOOSE ONE)				
EDMA 814	Security and Disaster Management in Education	3.0	45	0	45
EDMA 815	Management of academic Programs in the universities.	3.0	45	0	45

YEAR 2 SEMESTER 1

CODE	COURSE TITLE	CF	LEC	PR	TOT
EDMA 821	Quality Assurance in Higher Education	3.0	45	0	45
EDMA 822	Advanced Project Management in Education	3.0	30	30	45
EDMA 823	Organization Structure, Theory and Design	3.0	45	0	45
	ELECTIVE (CHOOSE ONE)				
EDMA 824	Management of Devolved Educational services	3.0	45	0	45
EDMA 825	Labor Relations Management in Education	3.0	45	0	45

YEAR 2 SEMESTER 2

EDRT 840	Research and Thesis	15.0 CF
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**COURSE SCHEDULE FOR DOCTOR OF PHILOSOPHY IN EDUCATION
(EDUCATION COMMUNICATION AND TECHNOLOGY)**

Course Unit Distribution

Course Unit Category	Number of Course Units or Equivalent
Graduate Doctorate Common Course	1=3cfs
School Common Units	3=9cfs
Course Core Units	6=18cfs
Course Elective Units	2=6cfs and 1 oral comprehensive exam:3cfs

Thesis	Equivalent of 5=15cfs
Total	54cfs

YEAR 1 SEM 1 COMMON COURSES

CODE	COURSE TITLE	CF	LEC	PR	TOT
BIBL 810	Christian World view and Philosophical foundation	3.0	45	0	45
EDPS 812	Advanced Educational Statistics & Data Analysis	3.0	45	0	45
EDPS 811	Advanced Research Methods in Education	3.0	45	0	45
EDMA810	Education Policy Formulation, Analysis and Implementation	3.0	45	0	45

YEAR 1 SEMESTER 2

CODE	COURSE TITLE	CF	LEC	PR	TOT
EDCT 826	Information and Communication Technology in Education	3.0	45	0	45
EDCT 827	Instructional Strategies for Critical Thinking and Problem Solving in Education	3.0	45	0	45
EDCT 828	Preparation and Utilization of Educational Media	3.0	45	0	45

ELECTIVE COURSES (CANDIDATES MUST TAKE AT LEAST ONE)

	COURSE TITLE	CF	LEC	PR	TOT
EDCI 831	Management of ICT resources in Education	3.0	45	0	45
EDCT 830	Course Design and Development	3.0	45	0	45

YEAR 2 SEMESTER 1

CODE	COURSE TITLE	CF	LEC	PR	TOT
EDCT 829	Advanced Educational Technology	3.0	45	0	45
EDCT 832	The Systems Theory and Approach to Education	3.0	45	0	45
EDCT 834	The Communication Process and Educational Considerations	3.0	45	0	45

ELECTIVE COURSES (CANDIDATES MUST TAKE AT LEAST ONE)

CODE	COURSE TITLE	CF	LEC	PR	TOT
EDCT 833	Distance Education	3.0	45	0	45
EDCT 840:	Developments in Instructional Theory	3.0	45	0	45

YEAR 2 SEMESTER 2

EDRT 840	Research and Thesis	15.0 CF
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**COURSE SCHEDULE FOR DOCTOR OF PHILOSOPHY IN EDUCATION
(CURRICULUM STUDIES)**

Course Unit Distribution

Course Unit Category	Number of Course Units or Equivalent
Graduate Doctorate Common Course	1=3cfs
School Common Units	3=9cfs
Course Core Units	6=18cfs
Course Elective Units	2=6cfs and 1 oral comprehensive exam:3cfs
Thesis	Equivalent of 5=15cfs
Total	54cfs

YEAR 1 SEM 1 COMMON COURSES

CODE	COURSE TITLE	CF	LEC	PR	TO
BIBL 810	Christian World view and Philosophical foundation	3.0	45	0	45
EDPS 812	Advanced Educational Statistics & Data Analysis	3.0	45	0	45
EDPS 811	Advanced Research Methods in Education	3.0	45	0	45
EDMA810	Education Policy Formulation, Analysis and Implementation	3.0	45	0	45

YEAR 1 SEMESTER 2

CODE	COURSE TITLE	CF	LEC	PR	TO
EDCS 830	Advanced Curriculum Theory and Models	3.0	45	0	45
EDCS 831	Advanced Curriculum Evaluation	3.0	45	0	45
EDCS 832	Policy Dialogue & Formulation in Curriculum	3.0	45	0	45

ELECTIVE COURSES (CANDIDATES MUST TAKE AT LEAST ONE)

CODE	COURSE TITLE	CF	LEC	PR	TOT
EDCS 833	Teacher Education Curriculum	3.0	45	0	45
EDCS 824	Secondary Education Curriculum	3.0	45	0	45

YEAR 2 SEMESTER 1

CODE	COURSE TITLE	CF	LEC	PR	TO
EDCS 834	E-learning	3.0	45	0	45
EDCS 836	New Trends in Curriculum Design	3.0	45	0	45
EDCS 837	Contemporary Curriculum Issues	3.0	45	0	45

ELECTIVE -CHOOSE ONE

CODE	COURSE TITLE	CF	LEC	PR	TOT
EDCS 838	The Affective curriculum	3.0	45	0	45
EDCS 839:	Gender curriculum studies in education	3.0	45	0	45

YEAR 2 SEMESTER 2

EDRT 840	Research and Thesis	15.0 CF
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**COURSE SCHEDULE FOR DOCTOR OF PHILOSOPHY IN EDUCATION
PSYCHOLOGY**

Course Unit Distribution

Course Unit Category	Number of Course Units or Equivalent
Graduate Doctorate Common Course	1=3cfs
School Common Units	3=9cfs
Course Core Units	6=18cfs
Course Elective Units	2=6cfs and 1 oral comprehensive exam:3cfs
Thesis	Equivalent of 5=15cfs
Total	54cfs

YEAR 1 SEM 1 COMMON COURSES

CODE	COURSE TITLE	CF	LEC	PR	TOT
BIBL 810	Christian World view and Philosophical foundation	3.0	45	0	45
EDPS 812	Advanced Educational Statistics & Data Analysis	3.0	45	0	45
EDPS 811	Advanced Research Methods in Education	3.0	45	0	45
EDMA810	Education Policy Formulation, Analysis and Implementation	3.0	45	0	45

Course Core Units and Loading

CODE	COURSE TITLE	CF	LEC	PR	TOT
EDPC 821	Advanced Educational Psychology	3.0	45	0	45
EDPC 822	Advanced Cognitive Psychology	3.0	45	0	45
EDPC 823	Theories and Principles of Learning	3.0	45	0	45
EDPC 831	The Learning Process	3.0	45	0	45
EDPC 832	Human Developmental Psychology	3.0	45	0	45
EDPC 833	Tests and Measurement in Education	3.0	45	0	45

Course Elective Units and Loading

CODE	COURSE TITLE	CF	LEC	PR	TOT
EDPC 824	Foundations of Educational Psychology	3.0	45	0	45
EDPC 825	Advanced Behavioral Psychology	3.0	45	0	45
EDPC 826	Theories of Educational Psychology	3.0	45	0	45
EDPC 827	Personality Development	3.0	45	0	45
EDPC 834	Applied Positive Psychology	3.0	45	0	45
EDPC 835	Advanced Psychology of Learning	3.0	45	0	45
EDPC 836	Child and Adolescent Psychology	3.0	45	0	45
EDPC 837	Advanced Health Psychology in Education	3.0	45	0	45

Units by Semester and Year of Study

Year 1 Semester 1

CODE	COURSE TITLE	CF	LEC	PR	TOT
BIBL 810	Christian World View and Philosophical Foundation	3.0	45	0	45
EDPS 812	Advanced Educational Statistics	3.0	45	0	45

EDPS 811	Advanced Research Methods in Education	3.0	45	0	45
EDPS 817	Information Competency and Data Analysis	3.0	45	0	45

Year 1 Semester 2

CODE	COURSE TITLE	CF	LEC	PR	TO
EDPC 821	Advanced Educational Psychology	3.0	45	0	45
EDPC 822	Advanced Cognitive Psychology	3.0	45	0	45
EDPC 823	Theories and Principles of Learning	3.0	45	0	45
	Elective	3.0	45	0	45

Elective (Choose 1)

CODE	COURSE TITLE	CF	LEC	PR	TO
EDPC 824	Foundations of Educational Psychology	3.0	45	0	45
EDPC 825	Advanced Behavioral Psychology	3.0	45	0	45
EDPC 826	Advanced Social Psychology	3.0	45	0	45
EDPC 827	Personality Development	3.0	45	0	45

Year 2 Semester 1

CODE	COURSE TITLE	CF	LEC	PR	TO
EDPC 831	The Learning Process	3.0	45	0	45
EDPC 832	Human Developmental Psychology	3.0	45	0	45
EDPC 833	Tests and Measurement in Education	3.0	45	0	45
	Elective	3.0	45	0	45

Elective (Choose 1)

CODE	COURSE TITLE	CF	LEC	PR	TO
EDPC 834	Applied Positive Psychology	3.0	45	0	45
EDPC 835	Advanced Psychology of Learning	3.0	45	0	45
EDPC 836	Child and Adolescent Psychology	3.0	45	0	45
EDPC 837	Advanced Health Psychology in Education	3.0	45	0	45

COURSE SCHEDULE FOR DOCTOR OF PHILOSOPHY IN EDUCATION (GUIDANCE AND COUNSELING)

Course Unit Distribution

Course Unit Category	Number of Course Units or Equivalent
Graduate Doctorate Common Course	1=3cfs
School Common Units	3=9cfs
Course Core Units	6=18cfs
Course Elective Units	2=6cfs and 1 oral comprehensive exam:3cfs
Thesis	Equivalent of 5=15cfs
Total	54cfs

YEAR 1 SEM 1 COMMON COURSES

CODE	COURSE TITLE	CF	LEC	PR	TO
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BIBL 810	Christian World view and Philosophical foundation	3.0	45	0	45
EDPS 812	Advanced Educational Statistics & Data Analysis	3.0	45	0	45
EDPS 811	Advanced Research Methods in Education	3.0	45	0	45
EDMA810	Education Policy Formulation, Analysis and Implementation	3.0	45	0	45

Course Core Units and Loading

CODE	COURSE TITLE	CF	LEC	PR	TO
EDGC 821	Career Development Theory	3.0	45	0	45
EDGC 822	Applied Ethical and Legal Issues in Helping Professions	3.0	45	0	45
EDGC 823	Theories of Counseling and Psychotherapy	3.0	45	0	45
EDGC 831	Advanced Career Counseling	3.0	45	0	45
EDGC 832	Guidance and Counseling Skills	3.0	45	0	45
EDGC 833	Mentoring, Coaching and Peer Counselling	3.0	45	0	45

Course Elective Units and Loading

CODE	COURSE TITLE	CF	LEC	PR	TO
EDGC 824	Psychological Knowledge and Models of Therapy	3.0	45	0	45
EDGC 825	Group Counseling Theory and Applications	3.0	45	0	45
EDGC 826	Advanced Psychological Theory and Practice	3.0	45	0	45
EDGC 834	Advanced Positive Psychology	3.0	45	0	45
EDGC 835	Psychopathology in Children and Adolescents	3.0	45	0	45
EDGC 836	Applied Adolescent and Youth Counselling	3.0	45	0	45

Units by Semester and Year of Study

Year 1 Semester 1

CODE	COURSE TITLE	CF	LEC	PR	TO
BIBL 810	Christian World View and Philosophical Foundation	3.0	45	0	45
EDPS 812	Advanced Educational Statistics	3.0	45	0	45
EDPS 811	Advanced Research Methods in Education	3.0	45	0	45
EDPS 817	Information Competency and Data Analysis	3.0	45	0	45

Year 1 Semester 2

EDGC 821	Career Development Theory	3.0	45	0	45
EDGC 822	Applied Ethical and Legal Issues in Helping Professions	3.0	45	0	45
EDGC 823	Theories of Counseling and Psychotherapy	3.0	45	0	45
	Elective	3.0	45	0	45

Elective (Choose 1)

EDGC 824	Psychological Knowledge and Models of Therapy	3.0	45	0	45
EDGC 825	Group Counseling Theory and Applications	3.0	45	0	45
EDGC 826	Advanced Psychological Theory and Practice	3.0	45	0	45

Year 2 Semester 1

EDGC 831	Advanced Career Counseling	3.0	45	0	45
EDGC 832	Guidance and Counseling Skills	3.0	45	0	45
EDGC 833	Mentoring, Coaching and Peer Counselling	3.0	45	0	45
	Elective	3.0	45	0	45

Elective (Choose 1)

EDGC 834	Advanced Positive Psychology	3.0	45	0	45
EDGC 835	Psychopathology in Children and Adolescents	3.0	45	0	45
EDGC 836	Applied Adolescent and Youth Counselling	3.0	45	0	45

Master of Education (Curriculum Studies)

The goal for the Master of Education in Curriculum Studies is to provide opportunity for learners to acquire specialized understanding on curriculum issues ranging from curriculum design, implementation, evaluation, innovation and instructional issues relating to methods and materials.

Minimum Admission Requirements

Undergraduate degree in Education with Second Class Honors (Upper) or an equivalent qualification recognized by the Commission for University Education (CUE); OR Second Class Honors (Lower Division), or an equivalent qualification recognized by CUE, and at least two years relevant work experience after graduation.

Expected Learning Outcomes

At the end of this program the graduates should be able to:

1. Plan, design, develop, and implement curriculum in the respective sectors of education
2. Evaluate and give feedback on curriculum matters at all levels of education
3. Integrate theory and practice in teaching at basic, secondary and tertiary levels of education
4. Provide professional services to all Educational institutions on policy and legal issues related to Curriculum Studies.
5. Apply advanced instructional design and strategies to specific learning outcomes stipulated in the curriculums
6. Plan and carry out research activities and report research findings in educational related areas
7. Demonstrate ethical and professional behavior in the workplace and in the community.

Graduation Requirements

To qualify for graduation, students enrolled in the Master of Education in Curriculum Studies program shall finish with a pass mark of sixty percent (50 %) and complete a total of 54 credit factors divided as follows:

- 1) MED in Curriculum Studies Core Courses: 36 credit factors.
- 2) MED in Curriculum Studies Elective Courses: 3 credit factors
- 3) MED in Curriculum Studies Project Option 6 credit factors with extra 3 courses amounting to 9 credit factors
- 4) MED in Curriculum Studies Thesis option: 15 credit factors
- 5) Total credit factors required for graduation will be 54 with a pass mark of 50%.

Program Structure

YEAR 1 SEMESTER 1 CORE COURSES

CODE	COURSE TITLE	CF	LH	PR	TO
EDCI 701	Biblical, Ethical and Legal Aspects in Education	3.0	45	0	45
EDCI 702	Research Methods in Education	3.0	45	0	45
EDCI703	Statistical Methods in Education	3.0	30	30	45
EDCI 704	Curriculum Development	3.0	30	30	45
EDCI 710	Seminars in Curriculum & Instructional Theory	3.0	0	45	45
EDCI 707	Curriculum Theory and Design	3.0	30	30	45

YEAR 1 SEMESTER 2

CODE	COURSE TITLE	CF	LH	PR	TO
EDCI 706	Education Policy, Strategy and Quality Assurance	3.0	45	0	45
EDCI 709	Curriculum Implementation and Evaluation	3.0	30	30	45
EDCI 711	Curriculum Change and Innovation	3.0	45	0	45
EDCI 718	Primary School Curriculum	3.0	45	0	45
EDCI 719	Secondary School Curriculum	3.0	45	0	45
EDCI 708	Information Technologies in Education	3.0	30	30	45

ELECTIVE COURSES TO BE TAKEN PREFERABLY IN THE 1ST YEAR

CODE	COURSE TITLE	CF	LH	PR	TO
EDCI 715	Global Perspectives in Curricula	3.0	45	0	45
EDEP 730	Economics of Education	3.0	45	0	45
EDCI 744	Psychometrics	3.0	45	0	45
EDCI 714	Teaching in Higher Education	3.0	45	0	45

YEAR 2 SEMESTER 1 PROJECT OPTION

CODE	COURSE TITLE	CF	LH	PR	TO
EDCI 721	E-learning	3.0	30	30	45
EDMA 722	Management and Evaluation of Educational Programs	3.0	45	0	45
EDCI 720	Teacher Education Curriculum	3.0	45	0	45
EDCI 798	Project	6.0			

YEAR 2 SEMESTER 1 AND 2 THESIS OPTION FOR CURRICULUM STUDIES

EDCI 799	Research and Thesis	15.0 cf			
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YEAR 2 SEMESTER 2 PROJECT OPTION FOR CURRICULUM STUDIES

EDCI 798	Project	6.0 cf			
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Master of Education (Guidance and Counseling)

The goal of Master of Education in Guidance and Counseling is to impart knowledge and skills and relevant attitudes on a wide range of issues in theories of Guidance and Counseling, legal and moral issues in Guidance and Counseling, techniques in counseling, psychopathology, psychometrics as well as research in guidance and counseling.

Minimum Admission Requirements

Undergraduate degree in Education with Second Class Honors (Upper) or an equivalent qualification recognized by the Commission for University Education (CUE); OR Second Class Honors (Lower Division), or an equivalent qualification recognized by CUE, and at least two years relevant work experience after graduation.

Expected Learning Outcomes

At the end of the program, the students should be able to:

1. Provide leadership and management skills in Guidance and Counseling Centres.
2. Disseminate useful information related to Guidance and Counseling.
3. Conduct research and collaborate with global institutions of guidance and counseling with a view to improving delivery of such services.
4. Apply knowledge and skills acquired to counsel and guide staff and students, manage abnormal behavior, measure different parameters related to personality and cognitive achievements and teach in secondary schools and post secondary institutions.
5. Train other counselors and demonstrate ethical and professional behavior in the workplace

Graduation Requirements

To qualify for graduation, students enrolled in the Master of Education in Guidance and Counselling program shall pass all courses and complete a total of 63 credit factors divided as follows:

1. M. ED in Guidance and Counselling -thesis option- Core Courses: 18 credit factors.
2. M .ED in Guidance and Counselling -thesis option- specialization Courses: 18 credit factors.
3. M .ED in Guidance and Counselling - thesis option- Elective course: one Course: 3 credit factors.

4. Practicum 9 credit factors.

5. M. ED in Guidance and Counselling - Thesis option: thesis work: 15 credit factors
Total credit factors required for graduation will be 63 with a pass mark of 50%.

Program Structure

YEAR 1 SEMESTER 1

CODE	COURSE TITLE	CF	LEC	PR	TO
EDCC 701	Biblical, Ethical and Legal Aspects of Education and Counseling	3.0	45	0	45
EDCC 702	Research and Statistical Methods in Education and Counseling	3.0	45	0	45
EDGC 715	Social and Cultural issues in counseling	3.0	45	0	45
EDGC 718	Counseling and Counseling Techniques	3.0	45	0	45
EDGC 707	Abnormal behavior and Multi-Axial Assessment in Counseling	3.0	45	0	45
EDGC 725	Psychometrics	3.0	45	0	45

YEAR 1 SEMESTER 2 (Course Work and Thesis)

CODE	COURSE TITLE	CF	LEC	PR	TO
EDCC 708	Information Technologies in Education	3.0	30	30	45
EDGC 727	Theories of Counseling and Counseling Programmes	3.0	45	0	45
EDGC 722	Guidance and Counseling of Special populations	3.0	45	0	45
EDMA706	Education Policy Formulation, Analysis and Implementation	3.0	45	0	45
EDGC 723	Career counseling and development	3.0	45	0	45
EDMA 724	Instructional Leadership and Supervision	3.0	45	0	45

ELECTIVE COURSES TO BE TAKEN IN THE YEAR 1 SEMESTER 2 (Course Work and Thesis – choose one course)

CODE	COURSE TITLE	CF	LEC	PR	TO
EDGC 726	Seminars in contemporary issues in counseling and Education	3.0	45	0	45
EDGC 734	Marriage and family counseling	3.0	30	0	45

YEAR 2 SEMESTER 1 (Compulsory)

CODE	COURSE TITLE	CF	LEC	PR	TO
EDGC 731	Practicum in Guidance And Counseling (<i>during this period the student shall also be required to develop and defend a proposal</i>)	3.0	30	0	45

YEAR 2 SEMESTER 2 THESIS

EDCC 799	Research and Thesis	15.0 CF			
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Master of Education (Management and Leadership)

The goal of Master of Education in Education Management and Leadership is to impart knowledge and skills on a wide range of issues in the areas of organizational behavior in educational institutions, human resource management in education, management of finance in education institutions, policy formulation and implementation in education sector, theory and practice of education administration, material/resource management, research in education administration as well as change and management of change in educational institutions.

Minimum Admission Requirements

Undergraduate degree in Education with Second Class Honors (Upper) or an equivalent qualification recognized by the Commission for University Education (CUE); OR Second Class Honors (Lower Division), or an equivalent qualification recognized by CUE, and at least two years relevant work experience after graduation.

Expected Learning Outcomes

By the end of the program, the students should be able to:

9. Apply knowledge and skills acquired to plan, supervise and manage educational institutions.
10. Apply knowledge and skills acquired for effective teaching and learning currently and in the future.
11. Manage human resources in educational institutions.
12. Manage material resources in educational institutions.
13. Manage financial resources in educational institutions.
14. Effect and manage change in educational institutions.
15. Apply current research concerning educational reform and innovation to benefit the students, staff, and the society.
16. Demonstrate ethical and professional behavior in the workplace.

Graduation Requirements

To qualify for graduation, students enrolled in the Master of Education in Education Management and Leadership programme shall pass all courses and complete a total of 60 credit factors divided as follows:

1. Master of Education in Education Management and Leadership- Core Courses: 21 credit factors .

2. Master of Education in Education Management and Leadership- specialization Courses: 21 credit factors .
3. Master of Education in Education Management and Leadership-Elective course: one Course: 3 credit factors.
4. Master of Education in Education Management and Leadership- Thesis work: 15 credit factors

Total credit factors required for graduation will be 60 with a pass mark of 50%.

Program Structure

YEAR 1 SEMESTER 1

CODE	COURSE TITLE	CF	LEC	PR	TO
EDCC 701	Biblical, Ethical and Legal Aspects of Education and Counseling	3.0	45	0	45
EDCC 702	Research and Statistical Methods in Education	3.0	45	0	45
EDMA 728	Management of Finance in Educational Institutions	3.0	45	0	45
EDMA 721	Education Administration and Management: Theory and Practice	3.0	45	0	45
EDMA 722	Management of Educational Programmes	3.0	45	0	45
EDMA 727	Organizational Behavior in educational Institutions	3.0	45	0	45
EDMA707	Leadership Theory in Educational Organizations	3.0	45	0	45

YEAR 1 SEMESTER 2

CODE	COURSE TITLE	CF	LEC	PR	TO
EDMA 724	Instructional Leadership and Supervision	3.0	45	0	45
EDCC 708	Information Technologies in Education	3.0	30	30	45
EDMA 729	Human Resource Management in Education	3.0	45	0	45
EDMA 723	Leadership and Change Management in Educational	3.0	45	0	45

	Institutions				
EDMA 731	Material Resource Management in education	3.0	45	0	45
EDMA706	Education Policy Formulation, Analysis and Implementation	3.0	45	0	45
EDMA 732	Leadership and Performance Management in Education	3.0	45	0	45

ELECTIVE COURSES TO BE TAKEN PREFERABLY IN THE 1ST YEAR

CODE	COURSE TITLE	CF	LEC	PR	TO
EDMA 726	Education Governance	3.0	45	0	45
EDEP 756	Current Issues in Education Development	3.0	45	0	45
EDMA 725	Management of e- learning Programmes	3.0	45	0	45
EDEP752	Financing of Education	3.0	30	0	45
EDEP 747	Education and socio-economic Development	3.0	30	0	45

YEAR 2 SEMESTER 1 AND 2 THESIS OPTION

EDCC 799	Research and Thesis	15.0 CF			
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Bachelor of Education (Arts)

The general purpose of the programme is to produce graduate teachers for employment in public and private secondary schools, primary schools, and post-secondary institutions; as well as for postgraduate studies in education and related disciplines.

Minimum Admission Requirements

KCSE C+ with C+ in two teaching subjects, or two principles and one subsidiary at "A" Level, or Diploma in Education.

Expected Learning Outcomes

The Expected Learning Outcomes for students in this program are as follows:

- 1) Teach relevant art courses in secondary schools, primary schools and post secondary institutions.
- 2) Plan, develop and execute educational curricula in areas of expertise.
- 3) Identify research problems and design appropriate procedures for investigating and analyzing them to provide solutions.
- 4) Apply educational theories to their daily teaching assignments in arts subjects and humanities.
- 5) Participate in long life learning along the career path

Graduation Requirements

To qualify for graduation, students enrolled in the Bachelor of Education (Arts) programme shall complete a minimum of 195 credit factors divided as follows:

- 1) University Common Courses: 21 credit factors
- 2) Bachelor of Education Core Courses: 63 credit factors
- 3) Teaching Subject Courses: 96 credit factors
- 4) Elective Courses: 9 credit factors
- 5) Teaching Practice: 6 credit factors

Program Structure

TEACHING SUBJECTS: GEOGRAPHY AND CHRISTIAN RELIGIOUS EDUCATIONYear 1 Semester 1

Course Code	Course Title	L	P	CF
COMP 100	Introduction to Computer Applications	45	0	3
EDUC 111	History of Education	45	0	3
MATH 100	General Mathematics	45	0	3
COMS 110	Communication Skills I	45	0	3
GEOG 110	Physical and Biological Geography I	45	0	3
GEOG 111	Human Geography I	45	0	3
CRED 111	Introduction to Christian Religious Education	45	0	3
CRED 112	The Pentateuch, historical books and wisdom literature	45	0	3

Year 1 Semester 2

EDUC 120	Introduction to Psychology	45	0	3
EDUC 121	Curriculum Development	45	0	3
COMS 120	Communication Skills II	45	0	3
GEOG 120	Human Environments in Africa	45	0	3
GEOG 121	Practical Geography	45	0	3
CRED 120	History of Christianity up to 1500AD	45	0	3
CRED 121	The Prophets	45	0	3

YEAR TOTAL: 675 0 45

Year 2 Semester 1

EDUC 211	Psychology of Learning	45	0	3
EDUC 213	Sociology of Education	45	0	3
EDUC 214	Statistical Methods in Education	45	0	3
GEOG 210	Geography and Development in Africa	45	0	3
GEOG 211	Quantitative Methods in Geography	45	0	3
CRED 210	History of Christianity: Reform to Present	45	0	3
CRED 211	Philosophy of Religion	45	0	3

Year 2 Semester 2

BIBL 220	Comparative Religions	45	0	3
EDUC 222	Education Measurements and Evaluation	45	0	3
EDUC 223	Human Growth and Development	45	0	3
EDUC 311	General Methods and Principles of Teaching	45	0	3
GEOG 220	Economic Geography	45	0	3
GEOG 221	Physical Geography II	45	0	3
CRED 220	Christianity and Ethics in Society	45	0	3
CRED 221	History of the Church in Africa	45	0	3
YEAR TOTAL:		675	0	45

Year 3 Semester 1

EDUC 312	Education, Communication and Technology I	30	0	3
EDUC 313	Principles of Guidance and Counseling	30	0	3
EDUC 315	Gender Studies in Education	30	0	3
GEOG 310	Climatology and Meteorology	45	0	3
GEOG 312	Transport Geography	45	0	3
CRED 310	Gospels	45	0	3
CRED 311	Christian Doctrines	45	0	3

Year 3 Semester 2

EDUC 321	Education, Communication and Technology II	45	0	3
EDUC 323	Philosophy of Education	45	0	3
EDUC 330	Methods in Geography	30	0	3
EDUC 336	Methods in CRE	30	0	3
GEOG 320	Regional Development	45	0	3
CRED 320	History of Church Missions	45	0	3
CRED 321	Acts of Apostles	45	0	3

ELECTIVES

GEOG 321	Agricultural Geography	} <i>choose one</i>	45	0	3
GEOG 322	Geography of energy				
YEAR TOTAL:			675	0	45

EDUC 329	Teaching Practice	45	0	6
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Year 4 Semester 1

EDUC 411	Education Administration and Management	45	0	3
EDUC 412	Seminars in Education	30	0	3
EDUC 413	Economics and Planning of Education	45	0	3
EDUC 414	Health and Physical Education	45	0	3
GEOG 411	Geomorphology	45	0	3
CRED 410	Christian family and counseling	45	0	3
CRED 411	Church and community development	45	0	3

ELECTIVES

GEOG 410	Arid and Semi-Arid Lands	} <i>Choose one</i>	45	0	3
GEO 412	Political Geography				

Year 4 Semester 2

EDUC 420	Comparative Education and Contemporary Education Issues	45	0	3
EDUC 424	Environmental Education	45	0	3
GEOG 420	Environmental Impact Analysis and Conservation	45	0	3
GEOG 421	Population Geography	45	0	3
CRED 420	Epistles and Revelation	45	0	3

CRED 421	African Traditional Religions	45	0	3	
ELECTIVES					
EDUC 422	Adult and Continuing Education	} <i>Choose one</i>	45	0	3
EDUC 423	Secondary School Curriculum		45	0	3
YEAR TOTAL :		675	0	51	
PROGRAMME TOTAL:		2700	0	186	

TEACHING SUBJECTS: GEOGRAPHY AND KISWAHILI

Year 1 Semester 1

Course Code	Title	L	P	CF
BIBL 110	Old Testament Survey	45	0	3
COMP 100	Introduction to Computer Applications	45	0	3
EDUC 111	History of Education	45	0	2
MATH 100	General Mathematics	45	0	3
COMS 110	Communication Skills I	45	0	3
GEOG 110	Physical and Biological Geography I	45	0	3
GEOG 111	Human Geography I	45	0	3
KISW 110	History and Development of Kiswahili	45	0	3
KISW 111	Introduction to Languages and Linguistics	45	0	3

Year 1 Semester 2

BIBL 120	New Testament Survey	45	0	3
EDUC 120	Introduction to Psychology	45	0	3
EDUC 121	Curriculum Development	45	0	3
COMS 120	Communication Skills II	45	0	3
GEOG 120	Human Environments in Africa	45	0	3
GEOG 121	Practical Geography	45	0	3
KISW 120	Comm Skills and Language use in Kiswahili	45	0	3
KISW 121	Intro to Lit and Literary Criticism in Kiswahili	45	0	3
YEAR TOTAL		720	0	48

Year 2 Semester 1

BIBL 210	Redemption Story	45	0	3	
EDUC 211	Psychology of Learning	45	0	3	
EDUC 213	Sociology of Education	45	0	3	
EDUC 214	Statistical Methods in Education		45	0	3
GEOG 210	Geography and Development in Africa	45	0	3	
GEOG 211	Quantitative Methods in Geography	45	0	3	
KISW 210	Theories of Lit & Literary Criticism in Kiswahili	45	0	3	
KISW 211	Phonetics and Phonology in Kiswahili	45	0	3	

Year 2 Semester 2

BIBL 220	Comparative Religions	45	0	3	
EDUC 222	Education Measurements and Evaluation		45	0	3
EDUC 223	Human Growth and Development	45	0	3	
EDUC 311	General Methods and Principles of Teaching	45	0	3	
GEOG 220	Economic Geography	45	0	3	
GEOG 221	Physical Geography II	45	0	3	
KISW 220	Oral Literature and Field Work in Kiswahili	45	0	3	
KISW 221	Sociolinguistics in Kiswahili	45	0	3	
	YEAR TOTAL	675	0	45	

Year 3 Semester 1

EDUC 312	Education, Communication and Technology I	30	0	3	
EDUC 313	Principles of Guidance and Counseling	30	0	3	
EDUC 315	Gender Studies in Education	30	0	3	
GEOG 310	Climatology and Meteorology	45	0	3	
GEOG 312	Transport Geography	45	0	3	
KISW 310	Classical and Swahili Literature	45	0	3	
KISW 311	Translation and Interpretation in Kiswahili	45	0	3	

Year 3 Semester 2

EDUC 321	Education, Communication and Technology II	45	0	3	
EDUC 323	Philosophy of Education	45	0	3	
EDUC 330	Methods in Geography	30	0	3	
EDUC 332	Methods in Kiswahili	30	0	3	
GEOG 320	Regional Development	45	0	3	
KISW 320	Modern Kiswahili Poetry	45	0	3	
KISW 321	Kiswahili Morphology & Syntax	45	0	3	
ELECTIVES					
GEOG 321	Agricultural Geography	45	0	3	
GEOG 322	Geography of energy				
	} choose one				
	YEAR TOTAL	675	0	45	

EDUC 329	Teaching Practice	90	0	6	
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Year 4 Semester 1

EDUC 411	Education Administration and Management	45	0	3	
EDUC 412	Seminars in Education	45	0	3	
EDUC 413	Economics and Planning of Education	45	0	3	
EDUC 414	Health and Physical Education	45	0	3	
GEOG 411	Geomorphology	45	0	3	
KISW 410	Kiswahili Plain	45	0	3	
KISW 411	Semantics, Pragmatics and Discourse Analysis	45	0	3	

ELECTIVES

GEOG 410	Arid and Semi-Arid Lands	} Choose one	45	0	3
GEO 412	Political Geography				

Year 4 Semester 2

EDUC 420	Comparative Education and Contemporary Education Issues	45	0	3
EDUC 424	Environmental Education	30	0	3
GEOG 420	Environmental Impact Analysis and Conservation	45	0	3
GEOG 421	Population Geography	45	0	3
KISW 420	Kiswahili Novel and Short Stories	45	0	3
KISW 421	Creative Writing in Kiswahili	45	0	3

ELECTIVES

EDUC 422	Adult and Continuing Education	} Choose one	45	0	3
EDUC 423	Secondary School Curriculum				
YEAR TOTAL:			675	0	45
PROGRAMME TOTAL:			2745	0	195

TEACHING SUBJECTS: GEOGRAPHY AND HISTORY

Course Code	Title	L	P	CF
<u>Year 1 Semester 1</u>				
BIBL 110	Old Testament Survey	45	0	3
COMP 100	Introduction to Computer Applications	45	0	3
EDUC 111	History of Education	45	0	3
MATH 100	General Mathematics	45	0	3
COMS 110	Communication Skills I	45	0	3
GEOG 110	Physical and Biological Geography I	45	0	3
GEOG 111	Human Geography I	45	0	3
HIST 110	Introduction to World Civilization	45	0	3
HIST 111	History of Kenya Up to 1895	45	0	3

Year 1 Semester 2

BIBL 120	New Testament Survey	45	0	3
EDUC 120	Introduction to Psychology	45	0	3
EDUC 121	Curriculum Development	45	0	3
COMS 120	Communication Skills II	45	0	3
GEOG 120	Human Environments in Africa	45	0	3
GEOG 121	Practical Geography	45	0	3
HIST 120	Introduction to World Civilization II	45	0	3
HIST 121	History of Africa upto 1884	45	0	3

YEAR TOTAL		765	0	51
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Year 2 Semester 1

BIBL 210	Redemption Story	45	0	3
EDUC 211	Psychology of Learning	45	0	3
EDUC 213	Sociology of Education	45	0	3
EDUC 214	Statistical Methods in Education	45	0	3
GEOG 210	Geography and Development in Africa	45	0	3
GEOG 211	Quantitative Methods in Geography	45	0	3
HIST 210	History of Kenya since 1895	45	0	3
HIST 211	Themes in West African History since 1800	45	0	3

Year 2 Semester 2

BIBL 220	Comparative Religions	45	0	3
EDUC 222	Education Measurements and Evaluation	45	0	3
EDUC 223	Human Growth and Development	45	0	3
EDUC 311	General Methods and Principles of Teaching	45	0	3
GEOG 220	Economic Geography	45	0	3
GEOG 221	Physical Geography II	45	0	3
HIST 220	Sources of African History	45	0	3
HIST 221	Historical Transformation of Europe	45	0	3
YEAR TOTAL :		720	0	48

Year 3 Semester 1

EDUC 312	Education, Communication and Technology I	30	0	3
EDUC 313	Principles of Guidance and Counseling	45	0	3
EDUC 315	Gender Studies in Education	45	0	3
GEOG 310	Climatology and Meteorology	45	0	3
GEOG 312	Transport Geography	45	0	3
HIST 310	Nationalism and New African States	45	0	3
HIST 311	The USA Since 1776	45	0	3

Year 3 Semester 2

EDUC 321	Education, Communication and Technology II	45	0	3
EDUC 323	Philosophy of Education	45	0	3
EDUC 330	Methods in Geography	30	0	3
EDUC 331	Methods in History	30	0	3
GEOG 320	Regional Development	45	0	3
HIST 320	Methods of Historical Research	45	0	3
HIST 321	African Military History	45	0	3

ELECTIVES

GEOG 321	Agricultural Geography	} choose one	45	0	3
GEOG 322	Geography of energy				
YEAR TOTAL:			675	0	45

EDUC 329	Teaching Practice		90	0	6
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Year 4 Semester 1

EDUC 411	Education Administration and Management		45	0	3
EDUC 412	Seminars in Education		30	0	3
EDUC 413	Economics and Planning of Education		45	0	3
EDUC 414	Health and Physical Education		45	0	3
GEOG 411	Geomorphology		45	0	3
HIST 410	Issues on African Historiography		45	0	3
HIST 411	Constitutional and Legal History of Kenya		45	0	3

ELECTIVES

GEOG 410	Arid and Semi-Arid Lands	} Choose one	45	0	3
GEO 412	Political Geography			45	0

Year 4 Semester 2

EDUC 420	Comparative Education and Contemporary Education Issues		45	0	3
EDUC 424	Environmental Education		30	0	3
GEOG 420	Environmental Impact Analysis and Conservation		45	0	3
GEOG 421	Population Geography				
HIST 420	Gender in History		45	0	3
HIST 421	Economic History of Kenya since 1963		45	0	3

ELECTIVES

EDUC 422	Adult and Continuing Education	} Choose one			
EDUC 423	Secondary School Curriculum			30	0
YEAR TOTAL:			630	0	42
PROGRAMME TOTAL:			2810	0	195

TEACHING SUBJECTS: HISTORY AND KISWAHILI

Year 1 Semester 1

Course Code	Title	L	P	CF
BIBL 110	Old Testament Survey	45	0	3
COMP 100	Introduction to Computer Applications	45	0	3
EDUC 111	History of Education	45	0	3
MATH 100	General Mathematics	45	0	3

COMS 110	Communication Skills I	45	0	3
HIST 110	Introduction to World Civilization I	45	0	3
HIST 111	History of Kenya up to 1895	45	0	3
KISW 110	History and Development of Kiswahili	45	0	3
KISW 111	Introduction to Languages and Linguistics	45	0	3

Year 1 Semester 2

BIBL 120	New Testament Survey	45	0	3
EDUC 120	Introduction to Psychology	45	0	3
EDUC 121	Curriculum Development	45	0	3
COMS 120	Communication Skills II	45	0	3
HIST 120	Introduction to World Civilization II	45	0	3
HIST 121	History of Africa up to 1884	45	0	3
KISW 120	Comm Skills and Language use in Kiswahili	45	0	3
KISW 121	Introd to Lit and Literary Criticism in Kiswahili	45	0	3
YEAR TOTAL:		765	0	51

Year 2 Semester 1

BIBL 210	Redemption Story	45	0	3
EDUC 211	Psychology of Learning	45	0	3
EDUC 213	Sociology of Education	45	0	3
EDUC 214	Statistical Methods in Education	45	0	3
HIST 210	History of Kenya since 1895	45	0	3
HIST 211	Themes in West African History since 1800	45	0	3
KISW 210	Theories of Literature and Literary Criticism in Kiswahili	45	0	3
KISW 211	Phonetics and Phonology in Kiswahili	45	0	3

Year 2 Semester 2

BIBL 220	Comparative Religions	45	0	3
EDUC 222	Education Measurements and Evaluation	45	0	3
EDUC 311	General Methods and Principles of Teaching	45	0	3
HIST 220	Sources of African History	45	0	3
HIST 221	Historical Transformation of Europe	45	0	3
KISW 220	Oral Literature and Field Work in Kiswahili	45	0	3
KISW 221	Sociolinguistics in Kiswahili	45	0	3
YEAR TOTAL :		720	0	48

Year 3 Semester 1

EDUC 312	Education, Communication and Technology I	45	0	3
EDUC 313	Principles of Guidance and Counseling	45	0	3
EDUC 315	Gender Studies in Education	45	0	3
HIST 310	USA since 1776	45	0	3
HIST 311	Economic Geography	45	0	3

KISW 310	Classical Kiswahili Literature	45	0	3
KISW 311	Translation and Interpretation in Kiswahili	45	0	3

Year 3 Semester 2

EDUC 321	Education, Communication and Technology II	45	0	3
EDUC 323	Philosophy of Education	45	0	3
EDUC 331	Methods in History	45	0	3
EDUC 332	Methods in Kiswahili	45	0	3
KISW 320	Modern Kiswahili Poetry	45	0	3
KISW 321	Kiswahili Morphology and Syntax	45	0	3
HIST 320	Methods of Historical Research	45	0	3
HIST 321	African Military History	45	0	3
YEAR TOTAL :		675	0	45

EDUC 329	Teaching Practice	90	0	6
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Year 4 Semester 1

EDUC 411	Education Administration and Management	45	0	3
EDUC 412	Seminars in Education	45	0	3
EDUC 413	Economics and Planning of Education	45	0	3
EDUC 414	Health and Physical Education	45	0	3
HIST 410	Issues of African Historiography	45	0	3
HIST 411	Constitutional and Legal History of Kenya	45	0	3
KISW 410	Kiswahili play	45	0	3
KISW 411	Semantics, Pragmatics and Discourse Analysis	45	0	3

Year 4 Semester 2

EDUC 420	Comparative Education and Contemporary Education Issues	45	0	3
EDUC 424	Environmental Education	45	0	3
HIST 420	Gender in History	45	0	3
HIST 421	Economic History of Kenya since 1963	45	0	3
KISW 420	Kiswahili Novel and Short Stories	45	0	3
KISW 421	Creative Writing in Kiswahili	45	0	3

ELECTIVES

EDUC 422	Adult and Continuing Education	} <i>Choose one</i>	45	0	3
EDUC 423	Secondary School Curriculum		45	0	3
YEAR TOTAL:			675	0	45
PROGRAMME TOTAL:			2835	0	195

TEACHING SUBJECTS: HISTORY AND CHRISTIAN RELIGIOUS EDUCATION

Year 1 Semester 1

Course Code	Title	L	P	CF
COMP 100	Introduction to Computer Applications	45	0	3
EDUC 111	History of Education	45	0	3
MATH 100	General Mathematics	45	0	3
COMS 110	Communication Skills I	45	0	3
HIST 110	Introduction to World Civilization I	45	0	3
HIST 111	History of Kenya up to 1895	45	0	3
CRED 111	Introduction to Christian Religious Education	45	0	3
CRED 112	Pentateuch, Historical Books and Wisdom Lit	45	0	3

Year 1 Semester 2

EDUC 120	Introduction to Psychology	45	0	3
EDUC 121	Curriculum Development	45	0	3
COMS 120	Communication Skills II	45	0	3
HIST 120	Introduction to World Civilization II	45	0	3
HIST 121	History of African up to 1884	45	0	3
CRED 120	History of Christianity up 1500AD	45	0	3
CRED 121	The Prophets	45	0	3
YEAR TOTAL:		675	0	45

Year 2 Semester 1

EDUC 211	Psychology of Learning	45	0	3
EDUC 213	Sociology of Education	45	0	3
EDUC 214	Statistical Methods in Education	45	0	3
HIST 210	History of Kenya since 1895	45	0	3
HIST 211	Themes in West African History since 1800	45	0	3
CRED 210	History of Christianity: Reform to Present	45	0	3
CRED 211	Philosophy of religion	45	0	3

Year 2 Semester 2

BIBL 220	Comparative Religions	45	0	3
EDUC 222	Education Measurements and Evaluation	45	0	3
EDUC 223	Human Growth and Development	45	0	3
EDUC 311	General Methods and Principles of Teaching	45	0	3
HIST 220	Sources of African History	45	0	3
HIST 221	Historical Transformation of Europe	45	0	3
CRED 220	Christianity and Ethics in the Society	45	0	3
CRED 221	History of the Church in Africa	45	0	3
YEAR TOTAL :		675	0	45

Year 3 Semester 1

EDUC 312	Education, Communication and Technology I	45	0	3
EDUC 313	Principles of Guidance and Counseling	45	0	3
EDUC 315	Gender Studies in Education	45	0	3

HIST 310	Nationalism and New African state	45	0	3
HIST 311	The USA Since 1776	45	0	3
CRED 310	The Gospels	45	0	3
CRED 311	Christian Doctrines	45	0	3

Year 3 Semester 2

EDUC 321	Education, Communication and Technology II	45	0	3
EDUC 323	Philosophy of Education	45	0	3
EDUC 331	Methods in History	45	0	3
EDUC 336	Methods in CRE	45	0	3
HIST 320	Methods of Historical Research	45	0	3
HIST 321	African Military History	45	0	3
CRED 320	History of the Christian Mission	45	0	3
CRED 321	Acts of Apostles	45	0	3
YEAR TOTAL:		675	0	45

EDUC 329	Teaching Practice	90	0	6
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Year 4 Semester 1

EDUC 411	Education Administration and Management	45	0	3
EDUC 412	Seminars in Education	45	0	3
EDUC 413	Economics and Planning of Education	45	0	3
EDUC 414	Health and Physical Education	45	0	3
HIST 410	Issues of African Historiography	45	0	3
HIST 411	Constitutional and Legal History of Kenya	45	0	3
CRED 410	Christian Family and counseling	45	0	3
CRED 411	Church and Community Development	45	0	3

ELECTIVES

Year 4 Semester 2

EDUC 420	Comparative Education and Contemporary Education Issues	45	0	3
EDUC 424	Environmental Education	45	0	3
HIST 420	Gender in History	45	0	3
HIST 421	Economic History of Kenya Since 1963	45	0	3
CRED 420	Epistles and Revelation	45	0	3
CRED 421	African Traditional Religions	45	0	3

ELECTIVES

EDUC 422	Adult and Continuing Education	45	0	3
EDUC 423	Secondary School Curriculum	45	0	3

} Choose one

YEAR TOTAL:	675	0	45
PROGRAMME TOTAL:	2700	0	195

TEACHING SUBJECTS: MUSIC AND HISTORYYear 1 Semester 1

Course Code	Title	L	P	CF
BIBL 110	Old Testament Survey	45	0	3
COMP 100	Introduction to Computer Applications	45	0	3
EDUC 111	History of Education	45	0	3
MATH 100	General Mathematics	45	0	3
COMS 110	Communication Skills I	45	0	3
MUSI 110	Fundamentals of Music and Practical Musicianship and Performance	45	0	3
MUSI 111	Music of medieval and Renaissance periods	45	0	3
HIST 110	Introduction to World Civilization I	45	0	3
HIST 111	History of Kenya up to 1895	45	0	3

Year 1 Semester 2

BIBL 120	New Testament Survey	45	0	3
EDUC 120	Introduction to Psychology	45	0	3
EDUC 121	Curriculum Development	45	0	3
COMS 120	Communication Skills II	45	0	3
MUSI 120	Musics and Dances of Kenya	45	0	3
MUSI 121	African Music, Dance and Instruments	45	0	3
HIST 120	Introduction to World Civilization II	45	0	3
HIST 121	History of Africa up to 1884	45	0	3
YEAR TOTAL:		765	0	51

Year 2 Semester 1

BIBL 210	Redemption Story	45	0	3
EDUC 211	Psychology of Learning	45	0	3
EDUC 213	Sociology of Education	45	0	3
EDUC 214	Statistical Methods in Education	45	0	3
MUSI 210	Compositional studies	45	0	3
MUSI 211	Musicianship	45	0	3
HIST 210	History of Kenya since 1895	45	0	3
HIST 211	Themes in West African History	45	0	3

Year 2 Semester 2

BIBL 220	Comparative Religions	45	0	3
EDUC 222	Education Measurements and Evaluation	45	0	3
EDUC 223	Human Growth and Development	45	0	3
EDUC 311	General Methods and Principles of Teaching	45	0	3
MUSI 220	Music of the Baroque and Classical Periods	45	0	3
MUSI 221	Contemporary Popular and Art Musics and dances			

	of Africa	45	0	3
HIST 220	Sources of African History	45	0	3
HIST 221	Historical Transformation of Europe	45	0	3
	YEAR TOTAL:	720	0	48

Year 3 Semester 1

EDUC 312	Education, Communication and Technology I	45	0	3
EDUC 313	Principles of Guidance and Counseling	45	0	3
EDUC 315	Gender Studies in Education	45	0	3
MUSI 310	Musical Analysis I	45	0	3
MUSI 311	Advanced Compositional Studies	45	0	3
HIST 310	Nationalism and New African State	45	0	3
HSIT 311	The US since 1776	45	0	3

ELECTIVES

MUS 312	Music of the Romantic Period	45	0	3
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Year 3 Semester 2

EDUC 321	Education, Communication and Technology II	45	0	3
EDUC 323	Philosophy of Education	45	0	3
EDUC 331	Methods in History	45	0	3
EDUC 333	Methods in Music	45	0	3
MUSI 320	Music Analysis II	45	0	3
MUSI 321	Harmony and Counterpoint	45	0	3
HIST 320	Methods of Historical Research	45	0	3
HIST 321	African Military History	45	0	3

ELECTIVE

MUSI 322	20 th Century Music	45	0	3
	YEAR TOTAL:	765	0	51

EDUC 329	Teaching Practice	90	0	6
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Year 4 Semester 1

EDUC 411	Education Administration and Management	45	0	3
EDUC 412	Seminars in Education	45	0	3
EDUC 413	Economics and Planning of Education	45	0	3
EDUC 414	Health and Physical Education	45	0	3
MUSI 410	Advance Form and Analysis	45	0	3
MUSI 411	Advanced Harmony	45	0	3
HIST 410	Issues of African Historiography	45	0	3
HIST 411	Constitutional and Legal History of Kenya	45	0	3

ELECTIVE

MUSI 414	Music Industry	45	0	3	
<u>Year 4 Semester 2</u>					
EDUC 420	Comparative Education and Contemporary Education Issues	45	0	3	
EDUC 424	Environmental Education	45	0	3	
MUSI 421	Field Research Project	45	0	3	
HIST 420	Gender and History	45	0	3	
HIST 421	Economic History of Kenya since 1963	45	0	3	
ELECTIVE					
EDUC 422	Adult and Continuing Education	45	0	3	
EDUC 423	Secondary School Curriculum	45	0	3	
MUSI 423	Performance Criticism	45	0	3	
		YEAR TOTAL:	675	0	45
		PROGRAMME TOTAL:	2925	0	195

TEACHING SUBJECTS: MUSIC AND CHRISTIAN RELIGIOUS EDUCATION

Year 1 Semester 1

Course Code	Title	L	P	CF
COMP 100	Introduction to Computer Applications	45	0	3
EDUC 111	History of Education	45	0	3
MATH 100	General Mathematics	45	0	3
COMS 110	Communication Skills I	45	0	3
MUSI 110	Fundamentals of Music and Practical Musicianship and Performance	30	15	3
MUSI 111	Music of Medieval and Renaissance Periods	30	15	3
CRED 111	Introduction to Christian Religious Education	45	0	3
CRED112	Pentateuch, Historical books and Wisdom Literature	45	0	3

Year 1 Semester 2

EDUC 120	Introduction to Psychology	45	0	3	
EDUC 121	Curriculum Development	45	0	3	
COMS 120	Communication Skills II	45	0	3	
MUSI 120	Musics and Dances of Kenya	45	0	3	
MUSI 121	African Music, Dance and Instruments	45	0	3	
CRED 120	History of Christianity up to 1500AD	45	0	3	
CRED 121	The Prophets	45	0	3	
		YEAR TOTAL:	645	30	45

Year 2 Semester 1

EDUC 211	Psychology of Learning	45	0	3
EDUC 213	Sociology of Education	45	0	3
EDUC 214	Statistical Methods in Education	45	0	3

MUSI 210	Compositional studies	30	15	3
MUSI 211	Musicianship	30	15	3
CRED 210	History of Christianity from reformation to present	45	0	3
CRED 211	Philosophy of Religion	45	0	3
<u>Year 2 Semester 2</u>				
BIBL 220	Comparative Religions	45	0	3
EDUC 222	Education Measurements and Evaluation	45	0	3
EDUC 223	Human Growth and Development	45	0	3
EDUC 311	General Methods and Principles of Teaching	30	15	3
MUSI 220	Music of the Baroque and Classical Periods	45	0	3
MUSI 221	Contemporary Popular and Art Musics and dances of Africa	45	0	3
CRED 220	Christianity and Ethics in Society	45	0	3
CRED 221	History of the Church in Africa	45	0	3
YEAR TOTAL:		630	45	45
<u>Year 3 Semester 1</u>				
EDUC 312	Education, Communication and Technology	45	0	3
EDUC 313	Principles of Guidance and Counseling	45	0	3
EDUC 315	Gender Studies in Education	45	0	3
MUSI 310	Musical Analysis I	45	0	3
MUSI 311	Advanced Compositional Studies	30	15	3
CRED 310	The Gospels	30	15	3
CRED 311	Christian Doctrines	45	0	3
ELECTIVE				
MUSI 312	Music of the Romantic Period	45	0	3
<u>Year 3 Semester 2</u>				
EDUC 321	Education, Communication and Technology II	45	0	3
EDUC 323	Philosophy of Education	45	0	3
EDUC 336	Methods in CRE	45	0	3
EDUC 333	Methods in Music	45	0	3
MUSI 320	Music Analysis II	45	0	3
MUSI 321	Harmony and Counterpoints	30	15	3
CRED 320	History of Church Missions	30	15	3
CRED 321	Acts of Apostles	45	0	3
ELECTIVE				
MUSI 322	20 th Century Music	45	0	3
YEAR TOTAL:		705	60	51
EDUC 329	Teaching Practice	90	0	6

Year 4 Semester 1

EDUC 411	Education Administration and Management	45	0	3
EDUC 412	Seminars in Education	45	0	3
EDUC 413	Economics and Planning of Education	45	0	3
EDUC 414	Health and Physical Education	45	0	3
MUSI 410	Advance Form and Analysis	30	15	3
MUSI 411	Advanced Harmony	30	15	3
CRED 410	Christian Family and counseling	45	0	3
CRED 411	Church and Community Development	45	0	3

ELECTIVE

MUSI 414	Music Industry	30	15	3
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Year 4 Semester 2

EDUC	420 Comparative Educations and Contemporary Education Issues	45	0	3
EDUC 424	Environmental Education	45	0	3
MUSI 420	Ethnomusicology	30	15	3
MUSI 421	Field Research Project	30	15	3
CRED 420	Epistles and Revelation	45	0	3
CRED 421	African Traditional Religion	45	0	3
ELECTIVES				
EDUC 422	Adult and Continuing Education	45	0	3
EDUC 423	Secondary School Curriculum	45	0	3
		45	0	3
MUSI 423	Performance Criticism	30	15	3
	YEAR TOTAL :	645	75	48
	PROGRAMME TOTAL:	2625	210	195

TEACHING SUBJECTS: MUSIC AND COMPUTER STUDIES

Year 1 Semester 1

Course Code	Title	L	P	CF
BIBL 110	Old Testament Survey	45	0	3
COMP 110	Introduction to Computer Science	45	0	3
EDUC 111	History of Education	45	0	3
MATH 100	General Mathematics	45	0	3
COMS 110	Communication Skills I	45	0	3
MUSI 110	Fundamentals of Music and Practical Musicianship and Performance	45	0	3
MUSI 111	Music of Medieval and Renaissance Periods	45	0	3
COMP 110	Introduction to Computer Science	45	0	3

Year 1 Semester 2

BIBL 120	New Testament Survey	45	0	3
EDUC 120	Introduction to Psychology	45	0	3
EDUC 121	Curriculum Development	45	0	3
COMS 120	Communication Skills II	45	0	3
MUSI 120	Musics and Dances of Kenya	45	0	3
MUSI 121	African Music, Dance and Instruments	45	0	3
COMP 111	Introduction to Programming	45	0	3
YEAR TOTAL:		675	0	45

Year 2 Semester 1

BIBL 210	Redemption Story	45	0	3
EDUC 211	Psychology of Learning	45	0	3
EDUC 213	Sociology of Education	45	0	3
EDUC 214	Statistical Methods in Education	45	0	3
MUSI 210	Compositional studies	45	0	3
MUSI 211	Musicianship	45	0	3
COMP 212	Object Oriented Programming	45	0	3
COMP 123	Data Structures	45	0	3

Year 2 Semester 2

BIBL 220	Comparative Religions	45	0	3
EDUC 222	Education Measurements and Evaluation	45	0	3
EDUC 223	Human Growth and Development	45	0	3
EDUC 311	General Methods and Principles of Teaching	45	0	3
MUSI 220	Music of the Baroque and Classical Periods	45	0	3
MUSI 221	Contemporary Popular and Art Musics and dances of Africa	45	0	3
COMP 220	Operating systems	45	0	3
COMP 222	Telecommunications and Computers	45	0	3
YEAR TOTAL:		720	0	48

Year 3 Semester 1

EDUC 312	Education, Communication and Technology I	45	0	3
EDUC 313	Principles of Guidance and Counseling	45	0	3
EDUC 315	Gender Studies in Education	45	0	3
MUSI 310	Musical Analysis I	45	0	3
MUSI 311	Advanced Compositional Studies	45	0	3
COMP 325	Business Applications Development	45	0	3
COMP 314	Data Base Management Systems	45	0	3
ELECTIVE				
MUSI 312	Music of the Romantic Period	45	0	3

Year 3 Semester 2

EDUC 321	Education, Communication and Technology II	45	0	3	
EDUC 323	Philosophy of Education	45	0	3	
EDUC 333	Methods in Music	45	0	3	
EDUC 327	Methods in Computer Studies	45	0	3	
MUSI 320	Music Analysis II	45	0	3	
MUSI 321	Harmony and Counterpoint	45	0	3	
COMP 320	Introduction to Computer Graphics	45	0	3	
ELECTIVES					
COMP 322	Software Engineering	} <i>Choose one</i>	45	0	3
COMP 313	Computer Networks				
MUSI 322	20 TH Century Music				
YEAR TOTAL:			675	0	45
EDUC 329	Teaching Practice	90	0	6	
<u>Year 4 Semester 1</u>					
EDUC 411	Education Administration and Management	45	0	3	
EDUC 412	Seminars in Education	45	0	3	
EDUC 413	Economics and Planning of Education	45	0	3	
EDUC 414	Health and Physical Education	45	0	3	
MUSI 410	Advance Form and Analysis	45	0	3	
MUSI 411	Advance Harmony	45	0	3	
COMP 416	Client server Programming	45	0	3	
COMP 411	Computer Project I	45	0	3	
ELECTIVE					
MUS 414	Music Industry	45	0	3	
<u>Year 4 Semester 2</u>					
EDUC 420	Comparative Education and Contemporary Education Issues	45	0	3	
EDUC 424	Environmental Education	45	0	3	
MUS 420	Ethnomusicology	45	0	3	
MUSI 421	Field Research Project	45	0	3	
COMP 422	Computer Project II	45	0	3	
ELECTIVES (Choose one)					
EDUC 422	Adult and Continuing Education				
EDUC 423	Secondary School Curriculum	45	0	3	
COMP 421	Software Quality	45	0	3	
COMP 447	Management of Information Systems	45	0	3	
MUSI 423	Performance Criticism	45	0	3	
YEAR TOTAL:			675	0	45
PROGRAMME TOTAL:			2745	0	195

TEACHING SUBJECTS: MUSIC AND ENGLISH LANGUAGE

Year 1 Semester 1

Course Code	Title	L	P	CF
BIBL 110	Old Testament Survey	45	0	3
COMP 100	Introduction to Computer Applications	45	0	3
EDUC 111	History of Education	45	0	3
MATH 100	General Mathematics	45	0	3
COMS 110	Communication Skills I	45	0	3
MUSI 110	Fundamentals of Music and Practical Musicianship and Performance	45	0	3
MUSI 111	Music of Medieval and Renaissance Periods	45	0	3
ENGL 110	Introduction to Languages and Linguistics	45	0	3
ENGL 111	Introduction to Phonetics and Phonology			

Year 1 Semester 2

BIBL 120	New Testament Survey	45	0	3
EDUC 120	Introduction to Psychology	45	0	3
EDUC 121	Curriculum Development	45	0	3
COMS 120	Communication Skills II	45	0	3
MUSI 120	Music's and Dances of Kenya	45	0	3
MUSI 121	African Music, Dance and Instruments	45	0	3
ENGL 120	History of English Language	45	0	3
ENGL 121	Structure of English Language	45	0	3
YEAR TOTAL:		720	0	48

Year 2 Semester 1

BIBL 210	Redemption Story	45	0	3
EDUC 211	Psychology of Learning	45	0	3
EDUC 213	Sociology of Education	45	0	3
EDUC 214	Statistical Methods in Education	45	0	3
MUSI 210	Compositional studies	45	0	3
MUSI 211	Musicianship	45	0	3
ENGL 210	Basics of Morphology and Syntax	45	0	3
ENGL 211	Introduction to Sociolinguistics	45	0	3

Year 2 Semester 2

BIBL 220	Comparative Religions	45	0	3
EDUC 222	Education Measurements and Evaluation	45	0	3
EDUC 223	Human Growth and Development	45	0	3
EDUC 311	General Methods and Principles of Teaching	45	0	3
MUSI 220	Music of the Baroque and Classical Periods	45	0	3
MUSI 221	Contemporary Popular and Art Music's and dances of Africa	45	0	3
ENGL 220	Phonology of English	45	0	3

ENGL 221	Aspects of Grammatical Analysis	45	0	3
YEAR TOTAL:		720	0	48

Year 3 Semester 1

EDUC 312	Education, Communication and Technology I	45	0	3
EDUC 313	Principles of Guidance and Counseling	45	0	3
EDUC 315	Gender Studies in Education	45	0	3
MUSI 310	Musical Analysis I	45	0	3
MUSI 311	Advanced Compositional Studies	45	0	3
ENGL 310	Comparative Linguistics	45	0	3
ENGL 311	Advance of Grammatical Analysis	45	0	3

ELECTIVE

MUSI 312	Music of the Romantic Period	45	0	3
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Year 3 Semester 2

EDUC 321	Education, Communication and Technology II	45	0	3
EDUC 323	Philosophy of Education	45	0	3
EDUC 333	Methods in Music	45	0	3
EDUC 334	Methods in English Language	45	0	3
MUSI 320	Music Analysis II	45	0	3
MUSI 321	Harmony and Counterpoint	45	0	3
ENGL 320	Discourse Analysis	45	0	3
ENGL 321	Acquisition of Second Language	45	0	3

ELECTIVE

MUSI 322	20 th Century Music	45	0	3
YEAR TOTAL:		720	0	48

EDUC 329	Teaching Practice	90	0	6
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Year 4 Semester 1

EDUC 411	Education Administration and Management	45	0	3
EDUC 412	Seminars in Education	45	0	3
EDUC 413	Economics and Planning of Education	45	0	3
EDUC 414	Health and Physical Education	45	0	3
MUSI 410	Advance Form and Analysis	45	0	3
MUSI 411	Advanced Harmony	45	0	3
ENGL 410	Advanced Syntax	45	0	3
ENGL 411	Advance Description of Modern English	45	0	3

ELECTIVES

MUS 414	Music Industry	45	0	3
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Year 4 Semester 2

EDUC 420	Comp Educ and Contemp Education Issues	45	0	3	
EDUC 424	Environmental Education	45	0	3	
MUSI 420	Ethnomusicology	45	0	3	
MUSI 421	Field Research project	45	0	3	
ENGL 420	Semantics and Pragmatics	45	0	3	
ENGL 421	Creative Writing	45	0	3	
ELECTIVES					
EDUC 422	Adult and Continuing Education	} Choose one	45	0	3
EDUC 423	Secondary School Curriculum		45	0	3
MUSI 423	Performance Criticism		45	0	3
YEAR TOTAL:		720	0	48	
PROGRAMME TOTAL:		2880	0	195	

TEACHING SUBJECTS: LITERATURE AND ENGLISH LANGUAGE

Year 1 Semester 1

Course Code	Title	L	P	CF
BIBL 110	Old Testament Survey	45	0	3
COMP 100	Introduction to Computer Applications	45	0	3
EDUC 111	History of Education	45	0	3
MATH 100	General Mathematics	45	0	3
COMS 110	Communication Skills I	45	0	3
LITE 110	Introduction to Oral Literature	45	0	3
LITE 111	Introduction to Poetry	45	0	3
ENGL 110	Introduction to Languages and Linguistics	45	0	3
ENGL 111	Introduction to Phonetics and Phonology	45	0	3

Year 1 Semester 2

BIBL 120	New Testament Survey	45	0	3
EDUC 120	Introduction to Psychology	45	0	3
EDUC 121	Curriculum Development	45	0	3
COMS 120	Communication Skills II	45	0	3
LITE 120	Introduction to Drama	45	0	3
LITE 121	Introduction to Prose	45	0	3
ENGL 120	History of English Language	45	0	3
ENGL 121	Structure of English Language	45	0	3
YEAR TOTAL:		765	0	51

Year 2 Semester 1

BIBL 210	Redemption Story	45	0	3
EDUC 211	Psychology of Learning	45	0	3
EDUC 213	Sociology of Education	45	0	3
EDUC 214	Statistical Methods in Education	45	0	3
LITE 210	East African Prose	45	0	3

LITE 211	East African Poetry and Drama	45	0	3
ENGLI 210	Basics of Morphology and Syntax	45	0	3
ENGL 211	Introduction to Sociolinguistics	45	0	3
<u>Year 2 Semester 2</u>				
BIBL 220	Comparative Religions	45	0	3
EDUC 222	Education Measurements and Evaluation	45	0	3
EDUC 223	Human Growth and Development	45	0	3
EDUC 311	General Methods and Principles of Teaching	45	0	3
LITE 221	Critical Appreciation Skills	45	0	3
ENGL 220	Phonology of English	45	0	3
ENGL 221	Aspects of Grammatical Analysis	45	0	3
	YEAR TOTAL:	675	0	45
<u>Year 3 Semester 1</u>				
EDUC 312	Education, Communication and Technology I	45	0	3
EDUC 313	Principles of Guidance and Counseling	45	0	3
EDUC 315	Gender Studies in Education	45	0	3
LITE 310	Stylistics	45	0	3
LITE 311	Theory and Methods of Oral Literature	45	0	3
ENG 310	Comparative Linguistics	45	0	3
ENG 311	Advance of Grammatical Analysis	45	0	3
<u>Year 3 Semester 2</u>				
EDUC 321	Education, Communication and Technology II	45	0	3
EDUC 323	Philosophy of Education	45	0	3
EDUC 334	Methods in English Language	45	0	3
EDUC 335	Methods in Literature	45	0	3
LITE 320	Genres of Oral Literature	45	0	3
LITE 321	Theatre, Script Writing and Performance	45	0	3
ENG 320	Discourse Analysis	45	0	3
ENG 321	Acquisition of Second Language	45	0	3
	YEAR TOTAL:	675	0	45
EDUC 329	Teaching Practice	90	0	6
<u>Year 4 Semester 1</u>				
EDUC 411	Education Administration and Management	45	0	3
EDUC 412	Seminars in Education	45	0	3
EDUC 413	Economics and Planning of Education	45	0	3
EDUC 414	Health and Physical Education	45	0	3
LITE 410	Modern African Poetry	45	0	3
LITE 411	European Prose	45	0	3
ENGL 410	Advanced Syntax	45	0	3

ENGL 411	Advance Description of Modern English	45	0	3
<u>Year 4 Semester 2</u>				
EDUC 420	Comparative Education and Contemporary Education Issues	45	0	3
EDUC 424	Environmental Education	45	0	3
LITE 420	South African Literature	45	0	3
LITE 421	Afro-American Literature	45	0	3
ENGL 420	Semantics and Pragmatics	45	0	3
ENGL 421	Creative Writing	45	0	3
ELECTIVES (Choose One)				
EDUC 422	Adult and Continuing Education	45	0	3
EDUC 423	Secondary School Curriculum	45	0	3
YEAR TOTAL:		675	0	45
PROGRAMME TOTAL:		2790	0	195

TEACHING SUBJECTS: BUSINESS EDUCATION AND ENGLISH LANGUAGE

Year 1 Semester 1

Course Code	Title	L	P	CF
BIBL 110	Old Testament Survey	45	0	3
COMP 100	Introduction to Computer Applications	45	0	3
EDUC 111	History of Education	45	0	3
MATH 100	General Mathematics	45	0	3
COMS 110	Communication Skills I	45	0	3
BMGT111	Introduction to Business Studies	45	0	3
ACCT110	Fundamentals of Accounting I	45	0	3
ENGL 110	Introduction to Languages and Linguistics	45	0	3
ENGL 111	Introduction to Phonetics and Phonology	45	0	3

Year 1 Semester 2

BIBL 120	New Testament Survey	45	0	3
EDUC 120	Introduction to Psychology	45	0	3
EDUC 121	Curriculum Development	45	0	3
COMS 120	Communication Skills II	45	0	3
ACCT120	Fundamentals of Accounting II	45	0	3
BMGT123	Principles of Management	45	0	3
ENGL 120	History of English Language	45	0	3
ENGL 121	Structure of English Language	45	0	3
YEAR TOTAL:		765	0	51

Year 2 Semester 1

BIBL 210	Redemption Story	45	0	3
EDUC 211	Psychology of Learning	45	0	3

EDUC 213	Sociology of Education	45	0	3
EDUC 214	Statistical Methods in Education	45	0	3
ECON210	Intermediate Micro-economics	45	0	3
MKTG220	Principles of Marketing	45	0	3
ENGL 210	Basics of Morphology and Syntax	45	0	3
ENGL 211	Introduction to Sociolinguistics	45	0	3

Year 2 Semester 2

BIBL 220	Comparative Religions	45	0	3
EDUC 222	Education Measurements and Evaluation	45	0	3
EDUC 223	Human Growth and Development	45	0	3
EDUC 311	General Methods and Principles of Teaching	45	0	3
ECON 220	Intermediate Macro-economics	45	0	3
BMGT211	Introduction to Risk and Insurance	45	0	3
ENGL 220	Phonology of English	45	0	3
ENGL 221	Aspects of Grammatical Analysis	45	0	3
YEAR TOTAL:		720	0	48

Year 3 Semester 1

EDUC 312	Education, Communication and Technology I	45	0	3
EDUC 313	Principles of Guidance and Counseling	45	0	3
EDUC 315	Gender Studies in Education	45	0	3
BMGT213	Human Resource Management	45	0	3
ECON 219	Economic Development	45	0	3
ENGL 310	Comparative Linguistics	45	0	3
ENGL 311	Advance of Grammatical Analysis	45	0	3

Year 3 Semester 2

EDUC 321	Education, Communication and Technology II	45	0	3
EDUC 323	Philosophy of Education	45	0	3
EDUC 337	Methods in Business Education	45	0	3
EDUC 334	Methods in English Language	45	0	3
BMGT 222	Business Communications	45	0	3
BMGT214	Business Entrepreneurship	45	0	3
ENGL 320	Discourse Analysis	45	0	3
ENGL 321	Acquisition of Second Language	45	0	3
YEAR TOTAL:		720	0	48

EDUC 329	Teaching Practice	90	0	6
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Year 4 Semester 1

EDUC 411	Education Administration and Management	45	0	3
EDUC 412	Seminars in Education	30	0	2
EDUC 413	Economics and Planning of Education	45	0	3

EDUC 414	Health and Physical Education	45	0	3
FNCE324	Public Finance	45	0	3
FNCE220	Business Finance	45	0	3
ENGL 410	Advanced Syntax	45	0	3
ENGL 411	Advance Description of Modern English	45	0	3

Year 4 Semester 2

EDUC 420	Comparative Education and Contemporary Education Issues	45	0	3
EDUC 424	Environmental Education	45	0	3
BMGT426	Cooperative Management	45	0	3
BUSED421	Money and Banking	45	0	3
ENGL 420	Semantics and Pragmatics	45	0	3
ENGL 421	Creative Writing	45	0	3

ELECTIVES (Choose one)

EDUC 422	Adult and Continuing Education	45	0	3
EDUC 423	Secondary School Curriculum	45	0	3
	YEAR TOTAL:	675	0	45
	PROGRAMME TOTAL:	2880	0	195

TEACHING SUBJECTS: BUSINESS EDUCATION AND COMPUTER STUDIES

Year 1 Semester 1

Course Code	Title	L	P	CF
BIBL 110	Old Testament Survey	45	0	3
COMP 110	Introduction to Computer Science	45	0	3
EDUC 111	History of Education	45	0	3
MATH 100	General Mathematics	45	0	3
COMS 110	Communication Skills I	45	0	3
BMGT111	Introduction to Business Studies	45	0	3
ACCT110	Fundamentals of Accounting I	45	0	3

Year 1 Semester 2

BIBL 120	New Testament Survey	45	0	3
EDUC 120	Introduction to Psychology	45	0	3
EDUC 121	Curriculum Development	45	0	3
COMS 120	Communication Skills II	45	0	3
ACCT120	Fundamentals of Accounting II	45	0	3
BMGT123	Principles of Management	45	0	3
COMP 111	Introduction to Programming	45	0	3

YEAR TOTAL: 630 0 42

Year 2 Semester 1

BIBL 210	Redemption Story	45	0	3
EDUC 211	Psychology of Learning	45	0	3
EDUC 213	Sociology of Education	30	0	3
EDUC 214	Statistical Methods in Education	30	0	3
ECON210	Intermediate Micro-economics	45	0	3
MKTG220	Principles of Marketing	45	0	3
COMP 212	Object Oriented Programming	45	0	3
COMP 123	Data structures	45	0	3

Year 2 Semester 2

BIBL 220	Comparative Religions	45	0	3
EDUC 222	Education Measurements and Evaluation	45	0	3
EDUC 223	Human Growth and Development	45	0	3
EDUC 311	General Methods and Principles of Teaching	45	0	3
ECON 220	Intermediate Macro-economics	45	0	3
BMGT211	Introduction to Risk and Insurance	45	0	3
COMP 220	Operating Systems	45	0	3
COMP 222	Telecommunications and Computer	45	0	3
YEAR TOTAL:		720	0	48

Year 3 Semester 1

EDUC 312	Education, Communication and Technology I	45	0	3
EDUC 313	Principles of Guidance and Counseling	45	0	3
EDUC 315	Gender Studies in Education	45	0	3
BMGT213	Human Resource Management	45	0	3
ECON 219	Economic Development	45	0	3
COMP 325	Business Applications Development	45	0	3
COMP 314	Database management systems	45	0	3

Year 3 Semester 2

EDUC 321	Education, Communication and Technology II	45	0	3
EDUC 323	Philosophy of Education	45	0	3
EDUC 337	Methods in Business Education	45	0	3
EDUC 327	Methods in Computer Studies	45	0	3
BMGT 222	Business Communications	45	0	3
BMGT214	Business Entrepreneurship	45	0	3
COMP 320	Introduction to Computer Graphics	45	0	3

ELECTIVES

COMP 322	Software Engineering }	45	0	3
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COMP 312	Computer Networks	<i>Choose one</i>	45	0	3
YEAR TOTAL:			675	0	45

EDUC 329	Teaching Practice		90	0	6
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Year 4 Semester 1

EDUC 411	Education Administration and Management		45	0	3
EDUC 412	Seminars in Education		30	0	2
EDUC 413	Economics and Planning of Education		45	0	3
EDUC 414	Health and Physical Education		45	0	3
FNCE324	Public Finance		45	0	3
FNCE220	Business Finance		45	0	3
COMP 416	Clients Server Programming		45	0	3
COMP 411	Computer Project I		45	0	3

Year 4 Semester 2

EDUC 420	Comparative Education and Contemporary Education Issues		45	0	3
EDUC 424	Environmental Education		45	0	3
BMGT426	Cooperative Management		45	0	3
BUSED421	Money and Banking		45	0	3
COMP 421	Software Quality		45	0	3
COMP 447	Management of Information System.		45	0	3
COMP 422	Computer project II		45	0	3

ELECTIVES (Choose one)

EDUC 422	Adult and Continuing Education		45	0	3
EDUC 423	Secondary School Curriculum		45	0	3
YEAR TOTAL:			720	0	48

PROGRAMME TOTAL: 2745 0 195

TEACHING SUBJECTS: BUSINESS EDUCATION AND MATHEMATICS

Year 1 Semester 1

Course Code	Title	L	P	CF
BIBL 110	Old Testament Survey	45	0	3
COMP 100	Introduction to Computer Applications	45	0	3
EDUC 111	History of Education	45	0	3
MATH 100	General Mathematics	45	0	3
COMS 110	Communication Skills I	45	0	3
BMGT111	Introduction to Business Studies	45	0	3
ACCT110	Fundamentals of Accounting I	45	0	3
MATH 112	Geometry and Elementary of Applied Maths	45	0	3

Year 1 Semester 2

BIBL 120	New Testament Survey	45	0	3
EDUC 120	Introduction to Psychology	45	0	3
EDUC 121	Curriculum Development	45	0	3
COMS 120	Communication Skills II	45	0	3
ACCT120	Fundamentals of Accounting II	45	0	3
BMGT123	Principles of Management	45	0	3
MATH 113	Calculus I	45	0	3
MATH 123	Probability and Statistics I	45	0	3
YEAR TOTAL:		720	0	48

Year 2 Semester 1

BIBL 210	Redemption Story	45	0	3
EDUC 211	Psychology of Learning	45	0	3
EDUC 213	Sociology of Education	45	0	3
EDUC 214	Statistical Methods in Education	45	0	3
ECON210	Intermediate Micro-economics	45	0	3
MKTG220	Principles of Marketing	45	0	3
MATH 121	Calculus II	45	0	3
MATH 212	Probability and Statistics II	45	0	3

Year 2 Semester 2

BIBL 220	Comparative Religions	45	0	3
EDUC 222	Education Measurements and Evaluation	45	0	3
EDUC 223	Human Growth and Development	45	0	3
EDUC 311	General Methods and Principles of Teaching	45	0	3
ECON 220	Intermediate Macro-economics	45	0	3
BMGT211	Introduction to Risk and Insurance	45	0	3
MATH 211	Linear Algebra I	45	0	3
MATH 221	Real Analysis	45	0	3
YEAR TOTAL:		720	0	48

Year 3 Semester 1

EDUC 312	Education, Communication and Technology I	45	0	3
EDUC 313	Principles of Guidance and Counseling	45	0	3
EDUC 315	Gender Studies in Education	45	0	3
BMGT213	Human Resource Management	45	0	3
ECON 219	Economic Development	45	0	3
MATH 312	Ordinary Differential Equations I	45	0	3
MATH 313	Complex Analysis	45	0	3

Year 3 Semester 2

EDUC 321	Education, Communication and Technology II	45	0	3
EDUC 323	Philosophy of Education	45	0	3
EDUC 337	Methods in Business Education	45	0	3
EDUC 325	Methods in Mathematics	45	0	3

BMGT 222	Business Communications	45	0	3
BMGT214	Business Entrepreneurship	45	0	3
MATH 222	Vector Analysis	45	0	3
ELECTIVES (Choose one)				
MATH 314	Numerical Analysis	45	0	3
MATH 328	Regression and Analysis of Variables	45	0	3
YEAR TOTAL:		675	0	45

EDUC 329	Teaching Practice (core)	90	0	6
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Year 4 Semester 1

EDUC 411	Education Administration and Management	45	0	3
EDUC 412	Seminars in Education	45	0	3
EDUC 413	Economics and Planning of Education	45	0	3
EDUC 414	Health and Physical Education	45	0	3
FNCE324	Public Finance	45	0	3
FNCE220	Business Finance	45	0	3
MATH 410	Partial Differential Equations (Core)	45	0	3

ELECTIVES (Choose one)

MATH 413	Differential Geometry	45	0	3
MATH 416	Time Series	45	0	3

Year 4 Semester 2

EDUC 420	Comparative Education and Contemporary Education Issues	45	0	3
EDUC 424	Environmental Education	45	0	3
BMGT426	Cooperative Management	45	0	3
BUSED421	Money and Banking	45	0	3
MATH 322	Ordinary Differential Equations II	45	0	3
MATH 415	Projects in Applied Mathematics	45	0	3

ELECTIVES (Choose one)

EDUC 422	Adult and Continuing Education	45	0	3
EDUC 423	Secondary School Curriculum	45	0	3
YEAR TOTAL:		675	0	45
PROGRAMME TOTAL:		2790	0	195

TEACHING SUBJECTS: GEOGRAPHY AND MATHEMATICS

Course Code	Title	L	P	CF
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Year 1 Semester 1

BIBL 110	Old Testament Survey	45	0	3
COMP 100	Introduction to Computer Applications	45	0	3
EDUC 111	History of Education	45	0	3
MATH 100	General Mathematics	45	0	3
COMS 110	Communication Skills I	45	0	3
GEOG 110	Physical and Biological Geography I	45	0	3
GEOG 111	Human Geography I	45	0	3
MATH 112	Geometry and Elementary Applied Maths	45	0	3

Year 1 Semester 2

BIBL 120	New Testament Survey	45	0	3
EDUC 120	Introduction to Psychology	45	0	3
EDUC 121	Curriculum Development	45	0	3
COMS 120	Communication Skills II	45	0	3
GEOG 120	Human Environments in Africa	45	0	3
GEOG 121	Practical Geography	45	0	3
MATH 113	Calculus I	45	0	3
MATH 123	Probability and Statistics I	45	0	3
YEAR TOTAL		720	0	48

Year 2 Semester 1

BIBL 210	Redemption Story	45	0	3
EDUC 211	Psychology of Learning	45	0	3
EDUC 213	Sociology of Education	45	0	3
EDUC 214	Statistical Methods in Education	45	0	3
GEOG 210	Geography and Development in Africa	45	0	3
GEOG 211	Quantitative Methods in Geography	45	0	3
MATH 121	Calculus II	45	0	3
MATH 212	Probability and statistics II	45	0	3

Year 2 Semester 2

BIBL 220	Comparative Religions	45	0	3
EDUC 222	Education Measurements and Evaluation	45	0	3
EDUC 223	Human Growth and Development	45	0	3
EDUC 311	General Methods and Principles of Teaching	45	0	3
GEOG 220	Economic Geography	45	0	3
GEOG 221	Physical Geography II	45	0	3
MATH 211	Linear Algebra I	45	0	3
MATH 221	Linear Analysis	45	0	3
YEAR TOTAL		720	0	48

Year 3 Semester 1

EDUC 312	Education, Communication and Technology I	45	0	3
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EDUC 313	Principles of Guidance and Counseling	45	0	3
EDUC 315	Gender Studies in Education	45	0	3
GEOG 310	Climatology and Meteorology	45	0	3
GEOG 312	Transport Geography	45	0	3
MATH 313	Complex Analysis	45	0	3
MATH 312	Ordinary Differential Equations I	45	0	3

Year 3 Semester 2

EDUC 321	Education, Communication and Technology II	45	0	3
EDUC 323	Philosophy of Education	45	0	3
EDUC 330	Methods in Geography	45	0	3
EDUC 325	Methods in Mathematics	45	0	3
GEOG 320	Regional Development	45	0	3
MATH 222	Vector Analysis	45	0	3

ELECTIVES (Choose one)

GEOG 321	Agricultural Geography			
GEOG 322	Geography of energy			
MATH 314	Numerical analysis	45	0	3
MATH 328	Regression and Analysis of Variables	45	0	3
YEAR TOTAL:		675	0	45

EDUC 329	Teaching Practice	90	0	6
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Year 4 Semester 1

EDUC 411	Education Administration and Management	45	0	3
EDUC 412	Seminars in Education	45	0	3
EDUC 413	Economics and Planning of Education	45	0	3
EDUC 414	Health and Physical Education	45	0	3
GEOG 411	Geomorphology	45	0	3
MATH 410	Partial Differential Equations core	45	0	3

ELECTIVES

GEOG 410	Arid and Semi-Arid Lands	45	0	3
GEO 412	Political Geography			
MATH 413	Differential Geometry	45	0	3
MATH 416	Time Series			

Year 4 Semester 2

EDUC 420	Comparative Education and Contemporary Education Issues	45	0	3
EDUC 424	Environmental Education	45	0	3
GEOG 420	Environmental Impact Analysis and Conservation	45	0	3

GEOG 421	Population Geography	45	0	3
MATH 322	Ordinary Differential Equations II	45	0	3
MATH 433	Projects in Applied Mathematics	45	0	3
ELECTIVES (Choose one)				
EDUC 422	Adult and Continuing Education			
EDUC 423	Secondary School Curriculum	45	0	3
YEAR TOTAL:		675	0	45
PROGRAMME TOTAL:		2790	0	196

TEACHING SUBJECTS: GEOGRAPHY AND BUSINESS EDUCATION

Year 1 Semester 1

Course Code	Title	L	P	CF
BIBL 110	Old Testament Survey	45	0	3
COMP 100	Introduction to Computer Applications	45	0	3
EDUC 111	History of Education	45	0	3
MATH 100	General Mathematics	45	0	3
COMS 110	Communication Skills I	45	0	3
GEOG 110	Physical and Biological Geography I	45	0	3
GEOG 111	Human Geography I	45	0	3
BMGT111	Introduction to Business Studies	45	0	3
ACCT 110	Fundamentals of Accounting	45	0	3

Year 1 Semester 2

BIBL 120	New Testament Survey	45	0	3
EDUC 120	Introduction to Psychology	45	0	3
EDUC 121	Curriculum Development	45	0	3
COMS 120	Communication Skills II	45	0	3
GEOG 120	Human Environments in Africa	45	0	3
GEOG 121	Practical Geography	45	0	3
ACCT120	Fundamentals of Accounting II	45	0	3
BMGT123	Principles of Management	45	0	3
YEAR TOTAL:		765	0	51

Year 2 Semester 1

BIBL 210	Redemption Story	45	0	3
EDUC 211	Psychology of Learning	45	0	3
EDUC 213	Sociology of Education	45	0	3
EDUC 214	Statistical Methods in Education	45	0	3
GEOG 210	Geography and Development in Africa	45	0	3
GEOG 211	Quantitative Methods in Geography	45	0	3
ECON 210	Intermediate Micro-economics	45	0	3

MKTG 220	Principles of Marketing	45	0	3
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Year 2 Semester 2

BIBL 220	Comparative Religions	45	0	3
EDUC 222	Education Measurements and Evaluation	45	0	3
EDUC 223	Human Growth and Development	45	0	3
EDUC 311	General Methods and Principles of Teaching	45	0	3
GEOG 220	Economic Geography	45	0	3
GEOG 221	Physical Geography II	45	0	3
ECON 220	Intermediate Macro-economics	45	0	3
BMGT 211	Introduction to risk and insurance	45	0	3
YEAR TOTAL:		720	0	48

Year 3 Semester 1

EDUC 312	Education, Communication and Technology I	45	0	3
EDUC 313	Principles of Guidance and Counseling	45	0	3
EDUC 315	Gender Studies in Education	45	0	3
GEOG 310	Climatology and Meteorology	45	0	3
GEOG 312	Transport Geography	45	0	3
BMGT 213	Human Resource Management	45	0	3
ECON 219	Economic Development	45	0	3

Year 3 Semester 2

EDUC 321	Education, Communication and Technology II	45	0	3
EDUC 323	Philosophy of Education	45	0	3
EDUC 330	Methods in Geography	45	0	3
EDUC 331	Methods in History	45	0	3
GEOG 320	Regional Development	45	0	3
BMGT 222	Business Communications	45	0	3
BMGT 214	Business Entrepreneurship	45	0	3
ELECTIVES				
GEOG 321	Agricultural Geography	45	0	3
GEOG 322	Geography of energy } <i>choose one</i>			
YEAR TOTAL		720	0	48

EDUC 329	Teaching Practice	90	0	6
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Year 4 Semester 1

EDUC 411	Education Administration and Management	45	0	3
EDUC 412	Seminars in Education	45	0	3
EDUC 413	Economics and Planning of Education	45	0	3

EDUC 414	Health and Physical Education	45	0	3	
GEOG 411	Geomorphology (core)				
ELECTIVES					
GEOG 410	Arid and Semi-Arid Lands	} <i>Choose one</i>	45	0	3
GEO 412	Political Geography				
FNCE324	Public Finance	45	0	3	
FNCE 220	Business Finance	45	0	3	
 <u>Year 4 Semester 2</u>					
EDUC 420	Comparative Education and Contemporary Education Issues	45	0	3	
EDUC 424	Environmental Education	45	0	3	
GEOG 420	Environmental Impact Analysis and Conservation	45	0	3	
GEOG 421	Population Geography	45	0	3	
BMGT426	Corporative management	45	0	3	
BUSED421	Money And Banking	45	0	3	
ELECTIVES					
EDUC 422	Adult and Continuing Education	} <i>(Choose one)</i>	45	0	3
EDUC 423	Secondary School Curriculum				
YEAR TOTAL:		585	0	39	
PROGRAMME TOTAL:		2790	0	195	

TEACHING SUBJECTS: HISTORY AND BUSINESS EDUCATION

Year 1 Semester 1

Course Code	Title	L	P	CF
BIBL 110	Old Testament Survey	45	0	3
COMP 100	Introduction to Computer Applications	45	0	3
EDUC 111	History of Education	45	0	3
MATH 100	General Mathematics	45	0	3
COMS 110	Communication Skills I	45	0	3
HIST 110	Introduction to world civilization I	45	0	3
HIST 111	History of Kenya up to 1895	45	0	3
BMGT111	Introduction to Business Studies	45	0	3
ACCT 110	Fundamentals of Accounting	45	0	3

Year 1 Semester 2

BIBL 120	New Testament Survey	45	0	3
EDUC 120	Introduction to Psychology	45	0	3
EDUC 121	Curriculum Development	45	0	3
COMS 120	Communication Skills II	45	0	3

HIST 120	Introduction to World Civilization II	45	0	3
HIST 121	History of Africa upto 1884	45	0	3
ACCT120	Fundamentals of Accounting II	45	0	3
BMGT123	Principles of Management	45	0	3
YEAR TOTAL:		765	0	51

Year 2 Semester 1

BIBL 210	Redemption Story	45	0	3
EDUC 211	Psychology of Learning	45	0	3
EDUC 213	Sociology of Education	45	0	3
EDUC 214	Statistical Methods in Education	45	0	3
HIST 210	History of Kenya since 1895	45	0	3
HIST 211	Themes in West African history	45	0	3
ECON 210	Intermediate Micro-economics	45	0	3
MKTG 220	Principles of Marketing	45	0	3

Year 2 Semester 2

BIBL 220	Comparative Religions	45	0	3
EDUC 222	Education Measurements and Evaluation	45	0	3
EDUC 223	Human Growth and Development	45	0	3
EDUC 311	General Methods and Principles of Teaching	45	0	3
HIST 220	Sources of African History	45	0	3
HIST 221	Historical Transformation of Europe	45	0	3
ECON 220	Intermediate Macro-economics	45	0	3
BMGT 211	Introduction to risk and insurance	45	0	3
YEAR TOTAL:		720	0	48

Year 3 Semester 1

EDUC 312	Education, Communication and Technology I	45	0	3
EDUC 313	Principles of Guidance and Counseling	45	0	3
EDUC 315	Gender Studies in Education	45	0	3
HIST 310	Nationalism and New African States	45	0	3
HSIT 311	The USA since 1776	45	0	3
BMGT 213	Human Resource Management	45	0	3
ECON 219	Economic Development	45	0	3

Year 3 Semester 2

EDUC 321	Education, Communication and Technology II	45	0	3
EDUC 323	Philosophy of Education	45	0	3
EDUC 330	Methods in Geography	45	0	3
EDUC 331	Methods in History	45	0	3
HIST 320	Methods of Historical Research	45	0	3
HIST 321	African Military History	45	0	3
BMGT 222	Business Communications	45	0	3

BMGT 214	Business Entrepreneurship	45	0	3
	YEAR TOTAL:	675	0	45
EDUC 329	Teaching Practice	90	0	6
<u>Year 4 Semester 1</u>				
EDUC 411	Education Administration and Management	45	0	3
EDUC 412	Seminars in Education	45	0	3
EDUC 413	Economics and Planning of Education	45	0	3
EDUC 414	Health and Physical Education	45	0	3
HIST 410	Issues of African Historiography	45	0	3
HIST 411	Constitutional and Legal History of Kenya	45	0	3
FNCE324	Public Finance	45	0	3
FNCE 220	Business Finance	45	0	3
<u>Year 4 Semester 2</u>				
EDUC 420	Comparative Education and Contemporary Education Issues	45	0	3
EDUC 424	Environmental Education	45	0	3
HIST 420	Gender in History	45	0	3
HIST 421	Economic History of Kenya since 1963	45	0	3
BMGT426	Corporative management	45	0	3
BUSED421	Money And Banking	45	0	3
ELECTIVES				
EDUC 422	Adult and Continuing Education	45	0	3
EDUC 423	Secondary School Curriculum	45	0	3
	YEAR TOTAL:	675	0	45
	PROGRAMME TOTAL:	2835	0	195

Bachelor of Education (Science)

Admission Requirements

KCSE C+ with C+ in two teaching subjects, or two principles and one subsidiary at "A" Level, or Diploma in Education.

Expected Learning Outcomes

- 1) Train qualified Science teachers for secondary schools and tertiary institutions, who have strong Christian foundation.
- 2) Prepare student teachers holistically for active career in all facets of teaching profession.
- 3) Equip student teachers with Science and technology education within a Christian context.
- 4) Develop the capacity building of student teachers to teach effectively at Secondary School and tertiary levels.
- 5) Equip students with knowledge, skills and attitudes for effective instruction in Science subjects.

Program Structure

TEACHING SUBJECTS: MATHEMATICS AND CHEMISTRY

Year 1 Semester 1

COURSE CODE	TITLE	L	P	C.F.
BIBL 110	Old Testament Survey	45	0	3.0
COMP 110	Introduction to Computer Science	30	30	3.0
EDUC 111	History of Education	30	0	3.0
MATH 110	Basic Mathematics	45	0	3.0
MATH 112	Geometry and elementary applied maths	45	0	3.0
COMS 110	Communication Skills I	45	0	3.0
CHEM 111	Inorganic Chemistry	30	30	3.0
CHEM 112	Physical Chemistry 1	30	30	3.0
		<u>300</u>	<u>90</u>	<u>24</u>

Year 1 Semester 2

BIBL 120	New Testament Survey	45	0	3.0
EDUC 120	Introduction to Psychology	45	0	3.0
EDUC 121	Curriculum Development	45	0	3.0
COMs 120	Communication Skills II	45	0	3.0
MATH 113	Calculus I	45	0	3.0
MATH 123	Probability & Statistic I	45	0	3.0
CHEM 121	Organic Chemistry 1	30	30	3.0
CHEM 122	Physical Chemistry II	45	0	3.0
		<u>345</u>	<u>30</u>	<u>24</u>

*YEAR TOTAL**645 120 48***Year 2 Semester 1**

BIBL 210	The Redemption Story	45	0	3.0
EDUC 211	Psychology of Learning	45	0	3.0
EDUC 213	Sociology of Education	45	0	3.0
EDUC 214	Introduction to Statistical Methods in Education	45	0	3.0
CHEM 211	Physical - Inorganic Chemistry	45	0	3.0
CHEM 212	Organic Chemistry II	30	30	3.0
MATH 121	Calculus II	45	0	3.0
MATH 212	Probability and Statistics II	45	0	3.0
		<u>345</u>	<u>30</u>	<u>24</u>

Year 2 Semester 2

BIBL 220	Comparative Religions	45	0	3.0
EDUC 222	Educational Measurement & Evaluation	45	0	3.0
EDUC 223	Child Growth and Development	45	0	3.0
EDUC 311	General Methods and principles of teaching	45	0	3.0
CHEM 221	Comparative Study of s & p Block Elements	30	30	3.0
CHEM 222	Physical Chemistry III	45	0	3.0
MATH 211	Linear Algebra I	45	0	3.0
MATH 221	Real analysis	45	0	3.0
		<u>345</u>	<u>30</u>	<u>24</u>

*YEAR TOTAL**690 60 48***Year 3 Semester 1**

EDUC 312	Education, Communication & Technology I	45	0	3.0
EDUC 313	Principles of Guidance and Counseling	45	0	3.0
EDUC 315	Gender Studies in Education	45	0	3.0
MATH 317	Statistics through application	45	0	3.0
MATH 312	Ordinary differential equation I	45	0	3.0
MATH 313	Complex Analysis	45	0	3.0

CHEM 311	Physical Chemistry IV	30	30	3.0
CHEM 312	Organic Chemistry III	30	30	3.0
		<u>285</u>	<u>60</u>	<u>24</u>

Year 3 Semester 2

EDUC 321	Education, Communication and Technology II	30	30	3.0
EDUC 323	Philosophy of Education	45	0	3.0
EDUC 324	Methods of Teaching Chemistry	30	30	3.0
EDUC 325	Methods of Teaching Mathematics	30	30	3.0
MATH 222	Vector analysis <i>core</i>	45	0	3.0
MATH 328	Regression & Analysis of Variables OR	45	0	3.0
MATH 314	Numerical Analysis	45	0	3.0
CHEM 321	Coordination Chemistry	30	30	3.0
CHEM 322	Physical Methods of Structure Determination	30	30	3.0
		<u>285</u>	<u>150</u>	<u>24</u>
YEAR TOTAL		<u>570</u>	<u>210</u>	<u>48</u>

EDUC 328	Teaching Resource Project	0	120	4.0
EDUC 329	Teaching Practice	0	240	8.0

Year 4 Semester I

EDUC 411	Educational Administration and Management	45	0	3.0
EDUC 412	Educational Seminars	30	0	3.0
EDUC 413	Economics and Planning of Education	45	0	3.0
EDUC 414	Health and Physical Education	30	30	3.0
MATH 410	Partial Differential equations	45	0	3.0
MATH 416	Time series OR	45	0	3.0
MATH 413	Differential Geometry	45	0	3.0
CHEM 411	Electrochemistry	30	30	3.0
CHEM 412	Advanced Stereochemistry and Reaction Mechanisms	30	30	3.0
		<u>300</u>	<u>90</u>	<u>24</u>

Year 4 Semester 2

EDUC 420	Comparative Education and Contemporary Issues in Education	45	0	3.0
EDUC 422	Adult and Continuing Education	45	0	3.0
EDUC 423	Secondary School Curriculum	45	0	3.0
EDUC 424	Environmental Education	45	0	3.0
MATH 322	Ordinary Differential Equations II	45	0	3.0
MATH 415	Hypotheses Testing OR	45	0	3.0
MATH 433	Projects in applied Mathematics	45	0	3.0
CHEM 421	Comparative Study of d and f Block Elements	30	30	3.0
CHEM 422	Radiation and Nuclear Chemistry	30	30	3.0
		<u>300</u>	<u>90</u>	<u>24</u>

<u>YEAR TOTAL</u>	<u>630</u>	<u>150</u>	<u>48</u>
PROGRAMME TOTAL	2535	540	192

TEACHING SUBJECTS: MATHEMATICS AND PHYSICS

Year 1 Semester 1

COURSE CODE	TITLE	L	P	C.F.
BIBL 110	Old Testament Survey		45	0 3.0
COMP 110	Introduction to Computer Science		30	30 3.0
EDUC 111	History of Education		45	0 3.0
MATH 110	Basic Mathematics		45	0 3.0
MATH 112	Geometry and elementary applied maths		45	0 3.0
COMS 100	Communication Skills		45	0 3.0
PHYS 111	Mechanics		30	30 3.0
PHYS 110	Electricity and Magnetism I		<u>30</u>	<u>30 3.0</u>
			<u>315</u>	<u>90 24</u>

Year 1 Semester 2

BIBL 120	New Testament Survey		45	0 3.0
EDUC 120	Introduction to Psychology		45	0 3.0
EDUC 121	Curriculum Development		45	0 3.0
MATH 113	Calculus I		45	0 3.0
MATH 123	Probability & Statistic I		45	0 3.0
PHYS 122	Geometrical Optics		30	30 3.0
PHYS 121	Heat and Thermodynamics		<u>30</u>	<u>30 3.0</u>
			<u>315</u>	<u>60 21</u>

<u>YEAR TOTAL</u>	<u>630</u>	<u>150</u>	<u>45</u>
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Year 2 Semester 1

BIBL 210	The Redemption Story		45	0 3.0
EDUC 211	Psychology of Learning		45	0 3.0
EDUC 213	Sociology of Education		45	0 3.0
EDUC 214	Introduction to Statistical Methods in Education		45	0 3.0
MATH 121	Calculus II		45	0 3.0
MATH 212	Probability and Statistics II		45	0 3.0
PHYS 210	Oscillations and Waves		30	15 2.0
PHYS 211	Electricity and Magnetism II		<u>30</u>	<u>30 3.0</u>
			<u>330</u>	<u>45 23</u>

Year 2 Semester 2

BIBL 220	Comparative Religions	45	0	3.0
EDUC 222	Educational Measurement & Evaluation	45	0	3.0
EDUC 223	Child Growth and Development	45	0	3.0
EDUC 311	General Methods and principles of teaching	45	0	3.0
MATH 211	Linear Algebra I	45	0	3.0
MATH 221	Real analysis	45	0	3.0
PHYS 220	Introduction to Quantum Physics	30	30	3.0
PHYS 221	Properties of Matter	45	0	3.0
		<u>345</u>	<u>30</u>	<u>24</u>
<u>YEAR TOTAL</u>		<u>630</u>	<u>150</u>	<u>45</u>

Year 3 Semester 1

EDUC 312	Education, Communication & Technology I	45	0	3.0
EDUC 313	Principles of Guidance and Counseling	45	0	3.0
EDUC 315	Gender Studies in Education	45	0	3.0
MATH 317	Statistics through application	45	0	3.0
	OR			
MATH 312	Ordinary differential equation I	45	0	3.0
MATH 313	Complex Analysis	45	0	3.0
PHYS 310	Quantum Mechanics I	30	30	3.0
PHYS 311	Mathematical Physics	45	0	3.0
		<u>300</u>	<u>30</u>	<u>21</u>

Year 3 Semester 2

EDUC 321	Education, Communication and Technology II	30	30	3.0
EDUC 323	Philosophy of Education	45	0	3.0
EDUC 325	Methods of Teaching Mathematics	30	30	3.0
EDUC 326	Methods of Teaching Physics	30	30	3.0
MATH 222	Vector analysis <i>core</i>	45	0	3.0
MATH 328	Regression & Analysis of Variables	45	0	3.0
	OR			
MATH 314	Numerical Analysis I	45	0	3.0
PHYS 321	Physical Optics	30	30	3.0
PHYS 323	Electromagnetic Theory	30	30	3.0
		<u>285</u>	<u>150</u>	<u>24</u>

<u>YEAR TOTAL</u>		<u>585</u>	<u>180</u>	<u>45</u>
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EDUC 328	Learning Resources Project	120	0	4.0
EDUC 329	Teaching Practice	240	0	8.0

Year 4 Semester 1

EDUC 411	Educational Administration and Management	45	0	3.0
EDUC 412	Educational Seminars	45	0	3.0
EDUC 413	Economics and Planning of Education	45	0	3.0
EDUC 414	Health and Physical Education	30	30	3.0
MATH 410	Partial Differential equations	45	0	3.0
OR				
MATH 416	Time series	45	0	3.0
MATH 413	Differential Geometry	45	0	3.0
PHYS 411	Solid State Physics	45	0	3.0
PHYS 413	Nuclear Physics	45	0	3.0
		<u>345</u>	<u>30</u>	<u>24</u>

Year 4 Semester 2

EDUC 420	Comparative Education and Contemporary Education Issues	45	0	3.0
EDUC 422	Adult and Continuing Education	45	0	3.0
EDUC 423	Secondary School Curriculum	45	0	3.0
EDUC 424	Environmental Education	45	0	3.0
MATH 322	Ordinary Differential Equations II	45	0	3.0
MATH 415	Hypothesis Testing	45	0	3.0
OR				
MATH 433	Projects in applied Maths	45	0	3.0
PHYS 422	Semiconductor Physics	30	30	3.0
PHYS 420	Digital Electronics	30	30	3.0
		<u>330</u>	<u>60</u>	<u>24</u>

<i>YEAR TOTAL</i>		675	90	48
<i>PROGRAMME TOTAL</i>		2,565	495	186

TEACHING SUBJECTS: MATHEMATICS AND COMPUTER STUDIES

Year 1 Semester 1

COURSE CODE	TITLE	L	P	C.F
BIBL 110	Old Testament Survey	45	0	3.0
COMP 110	Introduction to Computer Science	30	30	3.0
EDUC 111	History of Education	45	0	3.0
MATH 110	Basic Mathematics	45	0	3.0
MATH 112	Geometry and Elementary Applied Mathematics	45	0	3.0
PHYS 110	Electricity and Magnetism I	30	30	3.0
PHYS 120	Basic Electronics	30	30	3.0
COMS 110	Communication Skills I	30	0	3.0

315 90 24

Year 1 Semester 2

BIBL 120	New Testament Survey	45	0	3.0
COMS 120	Communication Skills II	45	0	3.0
EDUC 120	Introduction to Psychology	45	0	3.0
EDUC 121	Curriculum Development	45	0	3.0
MATH 113	Calculus I	45	0	3.0
MATH 123	Probability & Statistic I	45	0	3.0
COMP 121	Introduction to Computer Applications	30	30	3.0
COMP 111	Introduction to Programming	<u>30</u>	<u>30</u>	<u>3.0</u>
		<u>330</u>	<u>60</u>	<u>24</u>
<hr/> <i>YEAR TOTAL</i>		<i>645</i>	<i>150</i>	<i>48</i>

Year 2 Semester 1

BIBL 210	The Redemption Story	45	0	3.0
EDUC 211	Psychology of Learning	45	0	3.0
EDUC 213	Sociology of Education	45	0	3.0
EDUC 214	Introduction to Statistical Methods in Education	45	0	3.0
MATH 121	Calculus II	45	0	3.0
MATH 212	Probability and Statistics II	45	0	3.0
COMP 212	Object Oriented Programming	30	30	3.0
COMP 123	Data Structures	<u>30</u>	<u>30</u>	<u>3.0</u>
		<u>330</u>	<u>60</u>	<u>24</u>

Year 2 Semester 2

BIBL 220	Comparative Religions	45	0	3.0
EDUC 222	Educational Measurement & Evaluation	45	0	3.0
EDUC 223	Child Growth and Development	45	0	3.0
EDUC 311	General Methods and principles of teaching	45	0	3.0
MATH 211	Linear Algebra I	45	0	3.0
MATH 221	Real analysis	45	0	3.0
COMP 220	Operating Systems	30	30	3.0
COMP 222	Telecommunications and Computers	<u>30</u>	<u>30</u>	<u>3.0</u>
		<u>330</u>	<u>60</u>	<u>24</u>
<hr/> <i>YEAR TOTAL</i>		<i>660</i>	<i>120</i>	<i>48</i>

Year 3 Semester 1

EDUC 312	Education, Communication & Technology I	45	0	3.0
EDUC 313	Principles of Guidance and Counseling	45	0	3.0
EDUC 315	Gender Studies in Education	45	0	3.0
MATH 317	Statistics through application	45	0	3.0
MATH 312	Ordinary differential equation I	45	0	3.0

MATH 313	Complex Analysis	45	0	3.0
COMP 325	Business Application Development	30	30	3.0
COMP 314	Data Base Management Systems	<u>30</u>	<u>30</u>	<u>3.0</u>
		<u>330</u>	<u>60</u>	<u>24</u>

COURSE CODE	TITLE	L	P	C.F
Year 3 Semester 2				
EDUC 321	Education, Communication and Technology II	30	30	3.0
EDUC 323	Philosophy of Education	45	0	3.0
EDUC 325	Methods of Teaching Mathematics	30	30	3.0
EDUC 327	Methods of Teaching Computer studies	30	30	3.0
MATH 222	Vector analysis	45	0	3.0
MATH 328	Regression & Analysis of Variables	45	0	3.0
MATH 314	Numerical Analysis	45	0	3.0
COMP 320	Introduction to Computer Graphics	45	0	3.0
COMP 322	Software Engineering	45	0	3.0
COMP 312	Computer Networks	<u>45</u>	<u>0</u>	<u>3.0</u>
		<u>315</u>	<u>90</u>	<u>24</u>
<hr/> <i>YEAR TOTAL</i> <hr/>				

EDUC 328	Learning Resources Project	120	0	4.0
EDUC 329	Teaching Practice	240	0	8.0

Year 4 Semester 1

EDUC 411	Educational Administration and Management	45	0	3.0
EDUC 412	Educational Seminars	45	0	3.0
EDUC 413	Economics and Planning of Education	45	0	3.0
EDUC 414	Health and Physical Education	30	30	3.0
MATH 416	Time series	45	0	3.0
MATH 413	Differential Geometry	45	0	3.0
COMP 410	Database Management	30	30	3.0
COMP 416	Client Server Programming	30	30	3.0
COMP 411	Computer Project I	<u>0</u>	<u>90</u>	<u>3.0</u>
		<u>240</u>	<u>390</u>	<u>21</u>

Year 4 Semester 2

EDUC 420	Comparative Education and Contemporary Education Issues	45	0	3.0
EDUC 422	Adult and Continuing Education	45	0	3.0
EDUC 423	Secondary School Curriculum	45	0	3.0
EDUC 424	Environmental Education <i>Optional</i>	45	0	3.0
MATH 322	Ordinary Differential Equations II	45	0	3.0
MATH 415	Hypothesis Testing	45	0	3.0

OR				
MATH 433	Projects in Applied Maths	45	0	3.0
OR				
COMP 421	Software Quality	30	30	3.0
COMP 447	Management of Information Systems	30	30	3.0
COMP 422	Computer Project II	0	90	3.0
		<u>300</u>	<u>120</u>	<u>24</u>
<i>YEAR TOTAL</i>		<i>540</i>	<i>510</i>	<i>45</i>
<i>PROGRAMME TOTAL</i>		<i>2,490</i>	<i>540</i>	<i>189</i>

TEACHING SUBJECTS: BOTANY/ZOOLOGY AND CHEMISTRY

Year 1 Semester 1

COURSE CODE	TITLE	L	P	C.F.
BIBL 110	Old Testament Survey	45	0	3.0
COMP 110	Introduction to Computer Science	30	30	3.0
EDUC 111	History of Education	45	0	3.0
COMS 110	Communication Skills I	45	0	3.0
BOTA 110	Basic Botany I	30	30	3.0
ZOOL 110	Basic Zoology I	30	30	3.0
CHEM 111	Inorganic Chemistry	30	30	3.0
CHEM 112	Physical Chemistry 1	30	30	3.0
MATH 100	General mathematics	<u>30</u>	<u>30</u>	<u>3.0</u>
		<u>315</u>	<u>180</u>	<u>27</u>

Year 1 Semester 2

BIBL 120	New Testament Survey	45	0	3.0
EDUC 120	Introduction to Psychology	45	0	3.0
EDUC 121	Curriculum Development	45	0	3.0
COMS 120	Communication Skills II	45	0	3.0
BOTA 120	Basic Botany II	30	30	3.0
ZOOL 120	Basic Zoology II	30	30	3.0
CHEM 121	Organic Chemistry 1	30	30	3.0
CHEM 122	Physical Chemistry II	<u>45</u>	<u>0</u>	<u>3.0</u>
		<u>315</u>	<u>90</u>	<u>24</u>
<i>YEAR TOTAL</i>		<i>630</i>	<i>270</i>	<i>51</i>

Year 2 Semester 1

BIBL 210	The Redemption Story	45	0	3.0
EDUC 211	Psychology of Learning	45	0	3.0
EDUC 213	Sociology of Education	45	0	3.0
EDUC 214	Introduction to Statistical Methods in Education		45	0
				3.0

CHEM 211	Physical - Inorganic Chemistry	45	0	3.0
CHEM 212	Organic Chemistry II	30	30	3.0
ZOOL 210	Invertebrate Zoology	30	30	3.0
BOTA 210	Cryptogams	30	30	3.0
		<u>315</u>	<u>90</u>	<u>24</u>

Year 2 Semester 2

BIBL 220	Comparative Religions	45	0	3.0
EDUC 222	Educational Measurement & Evaluation	45	0	3.0
EDUC 223	Child Growth and Development	45	0	3.0
EDUC 311	General Methods and principles of teaching	45	0	3.0
CHEM 221	Comparative Study of s & p Block Elements	30	30	3.0
CHEM 222	Physical Chemistry III	45	0	3.0
ZOOL 220	Introduction to Animal Ecology	30	30	3.0
BOTA 211	Plant structure and Function	30	30	3.0
		<u>315</u>	<u>90</u>	<u>24</u>
<i>YEAR TOTAL</i>		<u>630</u>	<u>180</u>	<u>48</u>

Year 3 Semester 1

EDUC 312	Education, Communication & Technology I	45	0	3.0
EDUC 313	Principles of Guidance and Counseling	45	0	3.0
EDUC 315	Gender Studies in Education	45	0	3.0
BOTA 310	Morphogenesis and Developmental Anatomy	30	30	3.0
BOTA 312	Plant Taxonomy	30	0	3.0
ZOOL 211	Genetics and Evolution	30	30	3.0
CHEM 311	Physical Chemistry IV	30	30	3.0
CHEM 312	Organic Chemistry III	45	0	3.0
		<u>300</u>	<u>90</u>	<u>24</u>

Year 3 Semester 2

EDUC 321	Education, Communication and Technology II	30	30	3.0
EDUC 322	Methods of teaching Biology	30	30	3.0
EDUC 323	Philosophy of Education	45	0	3.0
EDUC 324	Methods of Teaching Chemistry	30	30	3.0
BOTA 313	Plant Physiology	30	30	3.0
ZOOL 314	Vertebrate Zoology	30	30	3.0
CHEM 321	Coordination Chemistry	30	30	3.0
CHEM 322	Physical Methods of Structure Determination	45	0	3.0
		<u>270</u>	<u>180</u>	<u>24</u>
<i>YEAR TOTAL</i>		<u>570</u>	<u>270</u>	<u>48</u>

EDUC 328	Teaching Resource Project	0	120	4.0
EDUC 329	Teaching Practice	0	240	8.0

Year 4 Semester I

EDUC 411	Educational Administration and Management	45	0	3.0
EDUC 412	Educational Seminars	45	0	3.0
EDUC 413	Economics and Planning of Education	45	0	3.0
EDUC 414	Health and Physical Education	30	30	3.0
BOTA 415	Plant Cell Biology	30	30	3.0
ZOOL 310	Developmental Biology OR	30	30	3.0
ZOOL 413	Entomology I	30	30	3.0
CHEM 411	Electrochemistry	30	30	3.0
CHEM 412	Advanced Stereochemistry and Reaction Mechanisms	<u>30</u>	<u>30</u>	<u>3.0</u>
		<u>285</u>	<u>180</u>	<u>24</u>

Year 4 Semester 2

EDUC 420	Comparative Education and Contemporary Education Issues	45	0	3.0
EDUC 422	Adult and Continuing Education	45	0	3.0
EDUC 423	Secondary School Curriculum	45	0	3.0
EDUC 424	Environmental Education	45	0	3.0
BOTA 426	Cell and Molecular biology	30	30	3.0
OR				
BOTA 411	Mycology	30	30	3.0
ZOOL 415	Animal Physiology	30	30	3.0
OR				
ZOOL 312	Animal Behaviour	30	30	3.0
CHEM 421	Comparative Study of d and f Block Elements	30	30	3.0
CHEM 422	Radiation and Nuclear Chemistry	<u>45</u>	<u>0</u>	<u>3.0</u>
		<u>315</u>	<u>90</u>	<u>24</u>
	YEAR TOTAL	600	270	48
	PROGRAMME TOTAL	2,430	990	195

TEACHING SUBJECTS: BIOLOGY AND COMPUTER STUDIES**Year 1 Semester 1**

COURSE CODE	TITLE	L	P	C.F
BIBL 110	Old Testament Survey	45	0	3.0
COMP 110	Introduction to Computer Science	30	30	3.0
EDUC 111	History of Education	45	0	3.0
MATH 110	Basic Mathematics	45	0	3.0

COMS 110	Communication Skills I	45	0	3.0
BOTA 110	Basic Botany I	30	30	3.0
ZOOL 110	Basics Zoology I	30	30	3.0
		<u>270</u>	<u>90</u>	<u>21</u>

Year 1 Semester 2

BIBL 120	New Testament Survey	45	0	3.0
COMS 120	Communication Skills II	45	0	3.0
EDUC 120	Introduction to Psychology	45	0	3.0
EDUC 121	Curriculum Development	45	0	3.0
COMP 121	Introduction to Computer Applications	30	30	3.0
COMP 111	Introduction to Programming	30	30	3.0
BOTA 120	Basic Botanic II	30	30	3.0
ZOOL 120	Basic Zoology II	30	30	3.0
		<u>300</u>	<u>120</u>	<u>24</u>
	<i>YEAR TOTAL</i>	<u>570</u>	<u>210</u>	<u>45</u>

Year 2 Semester 1

BIBL 210	The Redemption Story	45	0	3.0
EDUC 211	Psychology of Learning	45	0	3.0
EDUC 213	Sociology of Education	45	0	3.0
EDUC 214	Introduction to Statistical Methods in Education	45	0	3.0
COMP 212	Object Oriented Programming	30	30	3.0
COMP 123	Data Structures	30	30	3.0
ZOOL 210	Invertebrate Zoology	30	30	3.0
BOTA 210	Cryptogams	30	30	3.0
		<u>300</u>	<u>120</u>	<u>24</u>

Year 2 Semester 2

BIBL 220	Comparative Religions	45	0	3.0
EDUC 222	Educational Measurement & Evaluation	45	0	3.0
EDUC 223	Child Growth and Development	45	0	3.0
EDUC 311	General Methods and principles of teaching	45	0	3.0
COMP 220	Operating Systems	30	30	3.0
COMP 222	Telecommunications and Computers	30	30	3.0
BOTA 211	Plant Structure and Function	30	30	3.0
ZOOL 220	Introduction to Animal Ecology	30	30	3.0
		<u>300</u>	<u>120</u>	<u>24</u>
	<i>YEAR TOTAL</i>	<u>600</u>	<u>240</u>	<u>48</u>

Year 3 Semester 1

EDUC 312	Education, Communication & Technology I	45	0	3.0
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EDUC 313	Principles of Guidance and Counseling	45	0	3.0
EDUC 315	Gender Studies in Education	45	0	3.0
COMP 325	Business Application Development	30	30	3.0
COMP 314	Data Base Management Systems	30	30	3.0
BOTA 310	Morphogenesis and Developmental Anatomy	30	30	3.0
BOTA 312	Plant Taxonomy	30	30	3.0
ZOOI 211	Genetics and Evolution	30	30	3.0
		<u>285</u>	<u>150</u>	<u>24</u>

COURSE CODE	TITLE	L	P	C.F
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Year 3 Semester 2

EDUC 321	Education, Communication and Technology II	30	30	3.0
EDUC 323	Philosophy of Education	45	0	3.0
EDUC 325	Methods of Teaching Mathematics	30	30	3.0
EDUC 327	Methods of Teaching Computer studies	30	30	3.0
COMP 320	Introduction to Computer Graphics	45	0	3.0
COMP 322	Software Engineering	45	0	3.0
	OR			
COMP 312	Computer Networks			
BOTA 313	Plant Physiology	30	30	3.0
ZOOL 314	Vertebrate Zoology	30	30	3.0
		<u>285</u>	<u>150</u>	<u>24</u>

YEAR TOTAL

570 300 48

EDUC 328	Learning Resources Project	120	0	4.0
EDUC 329	Teaching Practice	240	0	8.0

Year 4 Semester 1

EDUC 411	Educational Administration and Management	45	0	3.0
EDUC 412	Educational Seminars	45	0	3.0
EDUC 413	Economics and Planning of Education	45	0	3.0
EDUC 414	Health and Physical Education	30	30	3.0
COMP 410	Database Management	30	30	3.0
	OR			
COMP 416	Client Server Programming	30	30	3.0
COMP 411	Computer Project I	0	90	3.0
BOTA 415	Plant Cell Biology	30	30	3.0
ZOOL 310	Developmental Biology	30	30	3.0
	OR			
ZOOL 413	Entomology I	30	30	3.0
		<u>255</u>	<u>210</u>	<u>24</u>

Year 4 Semester 2

EDUC 420	Comparative Education and Contemporary Education Issues	45	0	3.0
EDUC 422	Adult and Continuing Education	45	0	3.0
EDUC 423	Secondary School Curriculum	45	0	3.0
OR				
EDUC 424	Environmental Education	45	0	3.0
COMP 421	Software Quality	30	30	3.0
OR				
COMP 447	Management of Information Systems	30	30	3.0
COMP 422	Computer Project II	0	90	3.0
BOTA 426	Cell and Molecular Biology	30	30	3.0
OR				
BOTA 411	Mycology	30	30	3.0
ZOOL 415	Animal Physiology	30	30	3.0
OR				
ZOOL 312	Animal Behaviour	<u>30</u>	<u>30</u>	<u>3.0</u>
		<u>225</u>	<u>180</u>	<u>21</u>
<i>YEAR TOTAL</i>		<i>480</i>	<i>390</i>	<i>45</i>
<i>PROGRAMME TOTAL</i>		<i>2,220</i>	<i>1,140</i>	<i>186</i>

Bachelor of Theology

The program aims to:

1. Assist students in their quest for knowledge of their relationship with God, man and the Universe.
2. Equip students with knowledge of the Bible and the Christians heritage from an Evangelical Christian perspective.
3. Equip those students whom God has called for full-time Christian service in the Church.
4. Give a strong theological background to students who may end up serving God among non-Christian groups and organizations.
5. Prepare students for further study at seminary or Graduate School.

Minimum Admission Requirements

KCSE C+, or Diploma in Theology from an institution recognized by Kabarak University.

Program Structure

YEAR 1 SEMESTER 1

CODE	TITLE	L	P/T	C.F
MATH 001	Introductory to Mathematics	45	0	3.0
PHIL 100	Introduction to Philosophy	45	0	3.0
COMS 110	Communication Skills 1	45	0	3.0
COMP100	Introductions to Computer Applications	30	30	3.0
BIBL. 111	Pentateuch	45	0	3.0
BIBL. 112	Public Speaking	45	0	3.0
BIBL. 113	The Gospels	45	0	3.0
*BIBL. 110	Old Testament Survey	45	0	3.0
Total		300	30	24.0

YEAR 1 SEMESTER 2

CODE	TITLE	L	P/T	C.F
SOCI 100	Introduction to Sociology	45	0	3.0
COMS 120	Communication Skills 11	45	0	3.0
EDU 120	Introduction to Psychology	45	0	3.0

BIBL 121	Historical Books	45	0	3.0
BIBL 122	Acts of the Apostles	45	0	3.0
BIBL. 123	Wisdom Literature	45	0	3.0
*BIBL. 120	New Testament Survey	45	0	3.0
Total		270	0	21.0
Year Total		570	30	39

YEAR 2 SEMESTER 1

CODE	TITLE	L	P/T	C.F
MUSIC 210	Music	45	0	3.0
BIBL 211	The Prophets	45	0	3.0
BIBL 212	Theology 1	45	0	3.0
HRMT 213	Human Resource Management	45	0	3.0
BMGT 214	Business Entrepreneurship	45	0	3.0
BIBL 214	Evangelism	45	0	3.0
BIBL 215	Pauline Epistles	45	0	3.0
*BIBL. 210	Redemption Story	45	0	3.0
Total		270	0	21

YEAR 2 SEMESTER 2

CODE	TITLE	L	P/T	C.F
BIBL 220	Comparative Religions	45	0	3.0
BIBL 221	Greek 1	45	0	3.0
BIBL 224	Theology 11	45	0	3.0
BIBL 225	General Epistles & Revelation	45	0	3.0
BIBL 227	Hermeneutics	45	0	3.0
BIBL. 228	Discipleship	45	0	3.0
Total		315	0	18
YEAR TOTAL		585	0	36

YEAR 3 SEMESTER 1

CODE	TITLE	L	P/T	C.F
BIBL 310	The Life of Christ	45	0	3.0
BIBL 312	Greek 11	45	0	3.0
BIBL 314	Expository Preaching	45	0	3.0
BIBL315	Theology 111	45	0	3.0
BIBL 316	Leadership Development	45	0	3.0
BIBL 317	Christian Education	45	0	3.0
Total		270	0	18.0

*Required Course for all Non-Bachelors of Theology Students.

YEAR 3 SEMESTER 2

CODE	TITLE	L	P/T	C.F
BIBL 322	Christian Counseling	45	0	3.0
BIBL 323	Pastoral Care	45	0	3.0
BIBL 325	Church History 1	45	0	3.0

BIBL 326	Contemporary Theological Trends	45	0	3.0
BIBL 327	History of Christian Missions	45	0	3.0
BIBL 329	Christian Worship	45	0	3.0
	Total	270	0	18

YEAR TOTAL

540 0 36

INTERNSHIP/PRACTICUM

CODE	TITLE	L	P/T	C.F
BIBL 400	Internship	0	360	12.0

(Taken after third year)

YEAR 4 SEMESTER 1

CODE	TITLE	L	P/T	C.F
BIBL 411	Apologetics	45	0	3.0
HRMT 411	Crisis and Change Management	45	0	3.0
BIBL 412	Research Project I	45	0	3.0
BIBL 413	Christian Ethics	45	0	3.0
BIBL 414	Church History 11	45	0	3.0
BIBL 416	Islam	45	0	3.0
	Total	270	0	18

YEAR 4 SEMESTER 2

CODE	TITLE	L	P/T	C.F
BIBL 420	African Christian Theology	45	0	3.0
BIBL 421	Cults	45	0	3.0
BIBL 423	History of Christianity in Africa	45	0	3.0
BIBL 424	African Traditional Religions Project	45	0	3.0
	Total	270	0	15

ELECTIVES:

YEAR TOTAL

450 0 48

PROGRAMME TOTAL

2235 420 159

Diploma in Education (Arts)

The general purpose of the programme is to produce diploma teachers for employment in public and private secondary schools, primary schools, and post-secondary institutions; as well as bachelor studies in education and related disciplines.

Minimum Admission Requirements

KCSE C+ with C+ in each of the teaching subjects. In addition, the applicant should have at least a C (plain) in English and a D+ in Mathematics; or One principle and two subsidiaries at "A " Level with credit, and a credit pass in each of the two teaching subjects; or P1 Certificate.

Expected Learning Outcomes

At the end of the programme, a graduate of diploma in Education (Arts) is expected to:

- 1) Teach relevant art courses in secondary schools, primary schools and post-secondary institutions.
- 2) Plan, develop and execute educational curricula in areas of expertise.
- 3) Identify research problems and design appropriate procedures for investigating and analyzing them to provide solutions.
- 4) Apply educational theories to their daily teaching assignments in arts subjects and humanities.

Graduation Requirements

To qualify for graduation, students enrolled in the diploma in Education (Arts) programme shall complete a minimum of 108 credit factors divided as follows:

- 1) University Common Courses: 5 courses x 3 Cf's =15 credit factors
- 2) Education Professional Core Courses: 13 courses x 3 Cf's = 39 credit factors
- 3) Two Teaching Subjects Courses per student:16 courses x 3 Cf's = 48 credit factors
- 4) Teaching Practice: 6 credit factors

Program Structure

<u>COURSE CODE</u>	<u>TITLE</u>	<u>L</u>	<u>P</u>
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CF

Year 1 semester 1

COMS 110	Communication Skills I	45	0	3
BIBL 110	Old Testament Survey	45	0	3
COMP 100	Introduction to Computer Applications	45	0	3
MATH 100	General Mathematics	45	0	3
DEDU 111	History of Education	45	0	3
BMGT 111	Introduction to Business Studies	45	0	3
ACCT 110	Fundamentals of Accounting I	45	0	3
COMP 110	Introduction to Computer Science	45	0	3

Year 1 semester 2

DEDU 120	Introduction to Educational psychology	45	0	3
DEDU 121	Curriculum Development	45	0	3
BIBL 120	New Testament Survey	45	0	3
BMGT 123	Principles of Management	45	0	3
ACCT 120	Fundamentals of Accounting II	45	0	3
COMP 111	Introduction to Programming	45	0	3
COMP 123	Data Structures	45	0	3
ECON 110	Introduction to Economics	45	0	3

Year 2 trimester 1

DEDU 210	Introduction to Instructional Methods	45	0	3
DEDU 213	Sociology of Education	45	0	3
DEDU 215	Growth and Development in Humans	45	0	3
ECON 210	Introduction to Micro Economics	45	0	3
BMGT 211	Introduction to Risk and Insurance	45	0	3
MKTG 220	Principles of Marketing	45	0	3
COMP 212	Object Oriented Programming	45	0	3

Year 2 trimester 2

DEDU 216	Measurement, Assessment and Evaluation in Education	45	0	3
DEDU 217	Educational Media and Materials	45	0	3
ECON 220	Introduction to Macroeconomics	45	0	3
FNCE 220	Business Finance	45	0	3
BMGT 214	Business Entrepreneurship	45	0	3
COMP 220	Operating systems	45	0	3

Year 2 trimester 3

DEDU 225	Management and leadership in schools	45	0	3
DEDU 226	Guidance and Counseling in Schools	45	0	3
DEDU 220	Special Instructional Methods for Business Education	45	0	3
DEDU 221	Special Instruction Methods for Computer Studies	45	0	3
COMP 314	Data Base Management Systems	45	0	3
COMP 312	Computer Networks	45	0	3

DEDU 241	TEACHING PRACTICE	(SCHOOL TERM)		6
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BUSINESS EDUCATION, HISTORY AND EDUCATION

<u>COURSE CODE</u>	<u>TITLE</u>	<u>L</u>	<u>P</u>
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CF

Year 1 semester 1

COMS 110	Communication Skills I	45	0	3
BIBL 110	Old Testament Survey	45	0	3
COMP 100	Introduction to Computer Applications	45	0	3
MATH 100	General Mathematics	45	0	3
DEDU 111	History of Education	45	0	3
BMGT 111	Introduction to Business Studies	45	0	3
ACCT 110	Fundamentals of Accounting I	45	0	3
HIST 110	Introduction to World Civilization	45	0	3
HIST 111	History of Kenya up to 1895	45	0	3
<u>Year 1 semester 2</u>				
DEDU120	Introduction to Educational psychology	45	0	3
DEDU 121	Curriculum Development	45	0	3
BIBL 120	New Testament Survey	45	0	3
BMGT 123	Principles of Management	45	0	3
ACCT 120	Fundamentals of Accounting II	45	0	3
ECON 110	Introduction to Economics	45	0	3
HIST 121	History of Africa up to 1884	45	0	3
HIST 122	Kenya since 1895	45	0	3
<u>Year 2 trimester 1</u>				
DEDU 210	Introduction to Instructional Methods	45	0	3
DEDU 213	Sociology of Education	45	0	3
DEDU 215	Growth and Development in Humans	45	0	3
ECON 210	Introduction to Micro Economics	45	0	3
BMGT 211	Introduction to Risk and Insurance	45	0	3
MKTG 220	Principles of Marketing	45	0	3
HIST 222	Liberation Movements and Decolonized African States	45	0	3
<u>Year 2 trimester 2</u>				
DEDU 216	Measurement, Assessment and Evaluation in Education	45	0	3
DEDU 217	Educational Media and Materials	45	0	3
ECON 220	Introduction to Macroeconomics	45	0	3
FNCE 220	Business Finance	45	0	3
BMGT 214	Business Entrepreneurship	45	0	3
HIST 223	European History	45	0	3
<u>Year 2 trimester 3</u>				
DEDU 225	Management and leadership in schools	45	0	3
DEDU 226	Guidance and Counseling in Schools	45	0	3
DEDU 220	Special Instructional Methods for Business Education	45	0	3
DEDU 223	Special Instruction Methods for History	45	0	3
HIST 225	West Africa since 1800	45	0	3
HIST 224	Themes in Economic History of Kenya since 1963	45	0	3
DEDU 241	TEACHING PRACTICE (SCHOOL TERM)			6

BUSINESS EDUCATION, GEOGRAPHY AND EDUCATION

COURSE CODE	TITLE	L	P	CF	
<u>Year 1 semester 1</u>					
COMS 110	Communication Skills I		45	0	3
BIBL 110	Old Testament Survey		45	0	3
COMP 100	Introduction to Computer Applications		45	0	3
MATH 100	General Mathematics		45	0	3
DEDU 111	History of Education		45	0	3
BMGT 111	Introduction to Business Studies		45	0	3
ACCT 110	Fundamentals of Accounting I		45	0	3
GEOG 110	Introduction to Physical and Biological Geography		45	0	3
GEOG 111	Introduction to Human Geography		45	0	3
<u>Year 1 semester 2</u>					
DEDU 120	Introduction to Educational psychology		45	0	3
DEDU 121	Curriculum Development		45	0	3
BIBL 120	New Testament Survey		45	0	3
BMGT 123	Principles of Management		45	0	3
ACCT 120	Fundamentals of Accounting II		45	0	3
ECON 110	Introduction to Economics		45	0	3
GEOG 122	Development and Geography in Africa		45	0	3
GEOG 121	Practical Geography		45	0	3
<u>Year 2 trimester 1</u>					
DEDU 210	Introduction to Instructional Methods		45	0	3
DEDU 213	Sociology of Education		45	0	3
DEDU 215	Growth and Development in Humans		45	0	3
ECON 210	Introduction to Micro Economics		45	0	3
BMGT 211	Introduction to Risk and Insurance		45	0	3
MKTG 220	Principles of Marketing		45	0	3
GEOG 211	Quantitative Methods in Geography		45	0	3
<u>Year 2 trimester 2</u>					
DEDU 216	Measurement, Assessment and Evaluation in Education		45	0	3
DEDU 217	Educational Media and Materials		45	0	3
ECON 220	Introduction to Macroeconomics		45	0	3
BMGT 214	Business Entrepreneurship		45	0	3
FNCE 220	Business Finance		45	0	3
GEOG 220	Economic Geography		45	0	3
GEOG 225	Geomorphologic Studies		45	0	3
<u>Year 2 trimester 3</u>					
DEDU 225	Management and leadership in schools		45	0	3
DEDU 226	Guidance and Counseling in Schools		45	0	3
DEDU 220	Special Instructional Methods for Business Education	45	0	3	
DEDU 224	Special Instruction Methods for Geography		45	0	3

GEOG 226	Issues in Climatology and Meteorology	45	0	3
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DEDU 241	TEACHING PRACTICE (SCHOOL TERM)			6
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MATHS, GEOGRAPHY AND EDUCATION

COURSE CODE	TITLE	L	P	CF
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Year 1 semester 1

COMS 110	Communication Skills I	45	0	3
BIBL 110	Old Testament Survey	45	0	3
COMP 100	Introduction to Computer Applications	45	0	3
DEDU 111	History of Education	45	0	3
MATH 110	Basic Mathematics	45	0	3
MATHS 112	Geometry and Elementary Applied Maths	45	0	3
GEOG 110	Introduction to Physical and Biological Geography	45	0	3
GEOG 111	Introduction to Human Geography	45	0	3

Year 1 semester 2

DEDU 120	Introduction to Educational Psychology	45	0	3
DEDU 121	Curriculum Development	45	0	3
BIBL 120	New Testament Survey	45	0	3
MATHS 113	Calculus I	45	0	3
MATHS 122	Probability and Statistics I	45	0	3
GEOG 122	Development and Geography in Africa	45	0	3
GEOG 121	Practical Geography	45	0	3

Year 2 trimester 1

DEDU 210	Introduction to Instructional Methods	45	0	3
DEDU 213	Sociology of Education	45	0	3
DEDU 215	Growth and Development in Humans	45	0	3
MATHS 121	Calculus II	45	0	3
MATH 212	Probability and Statistics II	45	0	3
GEOG 211	Quantitative Methods in Geography	45	0	3

Year 2 trimester 2

EDUC 216	Measurement, Assessment and Evaluation in Education	45	0	3
DEDU 217	Educational Media and Materials	45	0	3
MATHS 211	Linear Algebra I	45	0	3
GEOG 220	Economic Geography	45	0	3
GEOG 225	Geomorphological Studies	45	0	3

Year 2 trimester 3

DEDU 225	Management and leadership in schools	45	0	3
DEDU 226	Guidance and Counseling in Schools	45	0	3
DEDU 224	Special Instructional Methods for Geography	45	0	3
DEDU 225	Special Instruction Methods for Maths	45	0	3
GEOG 226	Issues in Climatology and Meteorology	45	0	3
MATH 312	Ordinary Differential Equations I	45	0	3

BUSINESS EDUCATION, MATHS AND EDUCATION

<u>COURSE CODE</u>	<u>TITLE</u>	<u>L</u>	<u>P</u>	
<u>CF</u>				
<u>Year 1 semester 1</u>				
COMS 110	Communication Skills I	45	0	3
BIBL 110	Old Testament Survey	45	0	3
COMP 100	Introduction to Computer Applications	45	0	3
MATH 100	General Mathematics	45	0	3
DEDU 111	History of Education	45	0	3
MATHS 112	Geometry and Applied Mathematics	45	0	3
BMGT 111	Introduction to Business Studies	45	0	3
ACCT 110	Fundamentals of Accounting I	45	0	3
<u>Year 1 semester 2</u>				
DEDU 120	Introduction to Educational psychology	45	0	3
DEDU 121	Curriculum Development	45	0	3
BIBL 120	New Testament Survey	45	0	3
BMGT 123	Principles of Management	45	0	3
ACCT 120	Fundamentals of Accounting II	45	0	3
ECON 110	Introduction to Economics	45	0	3
MATHS 113	Calculus I	45	0	3
MATHS 123	Probability and Statistics I	45	0	3
<u>Year 2 trimester 1</u>				
DEDU 210	Introduction to Instructional Methods	45	0	3
DEDU 213	Sociology of Education	45	0	3
DEDU 215	Growth and Development in Humans	45	0	3
ECON 210	Introduction to Micro Economics	45	0	3
BMGT 211	Introduction to Risk and Insurance	45	0	3
MKTG 220	Principles of Marketing	45	0	3
MATHS 121	Calculus II	45	0	3
MATHS 212	Probability and Statistics II	45	0	3
<u>Year 2 trimester 2</u>				
DEDU 216	Measurement, Assessment and Evaluation in Education	45	0	3
DEDU 217	Educational Media and Materials	45	0	3
ECON 220	Introduction to Macroeconomics	45	0	3
BMGT 214	Business Entrepreneurship	45	0	3
FNCE 220	Business Finance	45	0	3
MATHS 211	Linear Algebra I	45	0	3
<u>Year 2 trimester 3</u>				
DEDU 225	Management and leadership in schools	45	0	3
DEDU 226	Guidance and Counseling in Schools	45	0	3

DEDU 220	Special Instructional Methods for Business Education	45	0	3
DEDU 225	Special Instruction Methods for Maths	45	0	3
MATHS 312	Ordinary Differential Equation I	45	0	3
DEDU 241	TEACHING PRACTICE (SCHOOL TERM)			6

CHRISTIAN RELIGIOUS EDUCATION, HISTORY AND EDUCATION

<u>COURSE CODE</u>	<u>TITLE</u>	<u>L</u>	<u>P</u>	
<u>CF</u>				
<u>Year 1 semester 1</u>				
COMS 110	Communication Skills I	45	0	3
COMP 100	Introduction to Computer Applications	45	0	3
MATH 100	General Mathematics	45	0	3
DEDU 111	History of Education	45	0	3
CRED 111	Introduction to Christian religious education	45	0	3
CRED 112	Pentateuch, Historical Books and Wisdom Literature	45	0	3
HIST 110	Introduction to World Civilization	45	0	3
HIST 111	History of Kenya up to 1895	45	0	3
<u>Year 1 semester 2</u>				
DEDU 120	Introduction to Educational psychology	45	0	3
DEDU 121	Curriculum Development	45	0	3
CRED 122	Study of the Prophets	45	0	3
CRED 123	Christian Ethics and the Society	45	0	3
HIST 121	History of Africa up to 1884	45	0	3
HIST 122	Kenya since 1895	45	0	3
<u>Year 2 trimester 1</u>				
DEDU210	Introduction to Instructional Methods	45	0	3
DEDU 213	Sociology of Education	45	0	3
DEDU 215	Growth and Development in Humans	45	0	3
CRED 212	Study of the Gospels	45	0	3
CRED 213	Study of the Acts of Apostles	45	0	3
HIST 222	Liberation Movements and Decolonized African States	45	0	3
<u>Year 2 trimester 2</u>				
DEDU 216	Measurement, Assessment and Evaluation in Education	45	0	3
DEDU 217	Educational Media and Materials	45	0	3
CRED 222	Studies in the Epistles and Revelation	45	0	3
CRED 223	Study of African Traditional Religions	45	0	3
HIST 223	European History	45	0	3
<u>Year 2 trimester 3</u>				
DEDU 225	Management and leadership in schools	45	0	3
DEDU 226	Guidance and Counseling in Schools	45	0	3
DEDU 223	Special Instruction Methods for History	45	0	3
DEDU 228	Special Instructional Methods for CRE	45	0	3
HIST 225	West Africa since 1800	45	0	3

HIST 224	Themes in Economic History of Kenya since 1963	45	0	3
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EDUM 241	TEACHING PRACTICE (SCHOOL TERM)			6
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CHRISTIAN RELIGIOUS EDUCATION, MUSIC AND EDUCATION

COURSE CODE	TITLE	L	P	
<u>CF</u>				
<u>Year 1 semester 1</u>				
COMS 110	Communication Skills I	45	0	3
COMP 100	Introduction to Computer Applications	45	0	3
MATH 100	General Mathematics	45	0	3
DEDU 111	History of Education	45	0	3
CRED 111	Introduction to Christian religious education	45	0	3
CRED 112	Pentateuch, Historical Books and Wisdom Literature	45	0	3
MUSI 110	Fundamentals of Music and Practical Musicianship and Performance	30	15	3
MUSI 111	Music of Medieval And Renaissance Periods	30	15	3
<u>Year 1 semester 2</u>				
DEDU 120	Introduction to Educational psychology	45	0	3
DEDU 121	Curriculum Development	45	0	3
CRED 122	Study of the Prophets	45	0	3
CRED 123	Christian Ethics and the Society	45	0	3
ECON 110	Introduction to Economics	45	0	3
MUSI 122	Kenyan Musics, Dances and Instruments	45	0	3
MUSI 123	Practical Musicianship	30	15	3
MUSI 124	Introduction to Musical Composition	30	15	3
<u>Year 2 trimester 1</u>				
DEDU210	Introduction to Instructional Methods	45	0	3
DEDU 213	Sociology of Education	45	0	3
DEDU 215	Growth and Development in Humans	45	0	3
CRED 212	Study of the Gospels	45	0	3
CRED 213	Study of the Acts of Apostles	45	0	3
MUSI 213	Baroque and Classical Music	30	15	3
MUSI 214	Musical Form and Analysis	30	15	3
<u>Year 2 trimester 2</u>				
DEDU 216	Measurement, Assessment and Evaluation in Education	45	0	3
DEDU 217	Educational Media and Materials	45	0	3
CRED 222	Studies in the Epistles and Revelation	45	0	3
CRED 223	Introduction to African Traditional Religion	45	0	3
MUSI 215	Introduction to Harmony and Counterpoint	30	15	3
MUSI 221	Musical Form and Analysis II	30	15	3

Year 2 trimester3

DEDU 225	Management and leadership in schools	45	0	3
DEDU 226	Guidance and Counseling in Schools	45	0	3
DEDU 228	Special Instructional Methods for CRE	45	0	3
DEDU 230	Special Instruction Methods for Music	45	0	3
MUSI 222	Studies in the Music of the Romantic Period	30	15	3
DEDU 241	TEACHING PRACTICE (SCHOOL TERM)			6

HISTORY, MUSIC AND EDUCATION

<u>COURSE CODE</u>	<u>TITLE</u>	<u>L</u>	<u>P</u>	
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CF**Year 1 semester 1**

COMS 110	Communication Skills I	45	0	3
COMP 100	Introduction to Computer Applications	45	0	3
BIBL 110	Old Testament Survey	45	0	3
MATH 100	General Mathematics	45	0	3
DEDU 111	History of Education	45	0	3
HIST 110	Introduction to World Civilization	45	0	3
HIST 111	History of Kenya up to 1895	45	0	3
MUSI 110	Fundamentals of Music and Practical Musicianship and Performance	30	15	3
MUSI 111	Music of Medieval And Renaissance Periods	30	15	3

Year 1 semester 2

DEDU 120	Introduction to Educational psychology	45	0	3
BIBL 120	New Testament Survey	45	0	3
DEDU 121	Curriculum Development	45	0	3
HIST 121	History of Africa up to 1884	45	0	3
HIST 122	Kenya since 1895	45	0	3
MUSI 122	Kenyan Musics, Dances and Instruments	45	0	3
MUSI 123	Practical Musicianship	30	15	3
MUSI 124	Introduction to Musical Composition	30	15	3

Year 2 trimester 1

DEDU 210	Introduction to Instructional Methods	45	0	3
DEDU 213	Sociology of Education	45	0	3
DEDU 215	Growth and Development in Humans	45	0	3
HIST 222	Liberation Movements and Decolonized African States	45	0	3
MUSI 213	Baroque and Classical Music	30	15	3
MUSI 214	Musical Form and Analysis	30	15	3

Year 2 trimester2

DEDU 216	Measurement, Assessment and Evaluation in Education	45	0	3
DEDU 217	Educational Media and Materials	45	0	3
HIST 223	European History	45	0	3
MUSI 215	Introduction to Harmony and Counterpoint	30	15	3

MUSI 221	Musical Form and Analysis II	30	15	3
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Year 2 trimester 3

DEDU 225	Management and leadership in schools	45	0	3
DEDU 226	Guidance and Counseling in Schools	45	0	3
DEDU 230	Special Instructional Methods for Music	45	0	3
DEDU 223	Special Instruction Methods for History	45	0	3
MUSI 222	Studies in the Music of the Romantic Period	30	15	3
HIST 225	West Africa since 1800	45	0	3
HIST 224	Themes in Economic History of Kenya since 1963	45	0	3
DEDU 241	TEACHING PRACTICE (SCHOOL TERM)			6

CHRISTIAN RELIGIOUS EDUCATION, GEOGRAPHY AND EDUCATION

<u>COURSE CODE</u>	<u>TITLE</u>	<u>L</u>	<u>P</u>	
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CF

Year 1 semester 1

COMS 110	Communication Skills I	45	0	3
COMP 100	Introduction to Computer Applications	45	0	3
MATH 100	General Mathematics	45	0	3
DEDU 111	History of Education	45	0	3
CRED 111	Introduction to Christian religious education	45	0	3
CRED 112	Pentateuch, Historical Books and Wisdom Literature	45	0	3
GEOG 110	Introduction to Physical and Biological Geography	45	0	3
GEOG 111	Introduction to Human Geography	45	0	3

Year 1 semester 2

DEDU 120	Introduction to Educational psychology	45	0	3
DEDU 121	Curriculum Development	45	0	3
CRED 122	Study of the Prophets	45	0	3
CRED 123	Christian Ethics and the Society	45	0	3
ECON 110	Introduction to Economics	45	0	3
GEOG 122	Development and Geography in Africa	45	0	3
GEOG 121	Practical Geography	45	0	3

Year 2 trimester 1

DEDU 210	Introduction to Instructional Methods	45	0	3
DEDU213	Sociology of Education	45	0	3
DEDU 215	Growth and Development in Humans	45	0	3
CRED 212	Study of the Gospels	45	0	3
CRED 213	Study of the Acts of Apostles	45	0	3
GEOG 211	Quantitative Methods in Geography	45	0	3

Year 2 trimester 2

DEDU 216	Measurement, Assessment and Evaluation in Education	45	0	3
DEDU 217	Educational Media and Materials	45	0	3
CRED 222	Studies in the Epistles and Revelation	45	0	3

CRED 223	Introduction to African Traditional Religion	45	0	3
GEOG 225	Geomorphological Studies	45	0	3
GEOG 220	Economic Geography	45	0	3

Year 2 trimester 3

DEDU 225	Management and leadership in schools	45	0	3
DEDU 226	Guidance and Counseling in Schools	45	0	3
DEDU 228	Special Instructional Methods for CRE	45	0	3
DEDU 224	Special Instruction Methods for Geography	45	0	3
GEOG 226	Issues in Climatology and Meteorology	45	0	3

DEDU 241	TEACHING PRACTICE (SCHOOL TERM)			6
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HISTORY, GEOGRAPHY AND EDUCATION

<u>COURSE CODE</u>	<u>TITLE</u>	<u>L</u>	<u>P</u>	<u>CF</u>
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Year 1 semester 1

COMS 110	Communication Skills I	45	0	3
COMP 100	Introduction to Computer Applications	45	0	3
BIBL 110	Old Testament Survey	45	0	3
MATH 100	General Mathematics	45	0	3
DEDU 111	History of Education	45	0	3
HIST 110	Introduction to World Civilization	45	0	3
HIST 111	History of Kenya up to 1895	45	0	3
GEOG 110	Introduction to Physical and Biological Geography	45	0	3
GEOG 111	Introduction to Human Geography	45	0	3

Year 1 semester 2

DEDU 120	Introduction to Educational psychology	45	0	3
DEDU 121	Curriculum Development	45	0	3
BIBL 120	New Testament Survey	45	0	3
HIST 121	History of Africa up to 1884	45	0	3
HIST 122	Kenya since 1895	45	0	3
GEOG 122	Development and Geography in Africa	45	0	3
GEOG 121	Practical Geography	45	0	3

Year 2 trimester 1

DEDU 210	Introduction to Instructional Methods	45	0	3
DEDU 213	Sociology of Education	45	0	3
DEDU 215	Growth and Development in Humans	45	0	3
HIST 222	Liberation Movements and Decolonized African States	45	0	3
GEOG 211	Quantitative Methods in Geography	45	0	3

Year 2 trimester 2

DEDU 216	Measurement, Assessment and Evaluation in Education	45	0	3
DEDU 217	Educational Media and Materials	45	0	3
HIST 223	European History	45	0	3
GEOG 220	Economic Geography	45	0	3

GEOG 225	Geomorphologic Studies	45	0	3
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Year 2 trimester 3

DEDU 225	Management and leadership in schools	45	0	3
DEDU 226	Guidance and Counseling in Schools	45	0	3
DEDU 223	Special Instructional Methods for History	45	0	3
DEDU 224	Special Instruction Methods for Geography	45	0	3
GEOG 226	Issues in Climatology and Meteorology	45	0	3
HIST 224	Themes in Economic History of Kenya since 1963	45	0	3
HIST 225	West Africa since 1800	45	0	3
DEDU 241	TEACHING PRACTICE (SCHOOL TERM)			6

HISTORY, KISWAHILI AND EDUCATION

<u>COURSE CODE</u>	<u>TITLE</u>	<u>L</u>	<u>P</u>	<u>CF</u>
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Year 1 semester 1

COMS 110	Communication Skills I	45	0	3
COMP 100	Introduction to Computer Applications	45	0	3
BIBL 110	Old Testament Survey	45	0	3
MATH 100	General Mathematics	45	0	3
DEDU 111	History of Education	45	0	3
HIST 110	Introduction to World Civilization	45	0	3
HIST 111	History of Kenya up to 1895	45	0	3
KISW 111	Introduction to Languages and Linguistics in Kiswahili	45	0	3
KISW 112	Language use and Communication in Kiswahili	45	0	3

Year 1 semester 2

DEDU 120	Introduction to Educational psychology	45	0	3
DEDU 121	Curriculum Development	45	0	3
BIBL 120	New Testament Survey	45	0	3
HIST 121	History of Africa up to 1884	45	0	3
HIST 122	Kenya since 1895	45	0	3
KISW 123	Kiswahili Phonetics and Phonology	45	0	3
KISW 122	Literature and Literary Criticism in Kiswahili	45	0	3

Year 2 trimester 1

DEDU 210	Introduction to Instructional Methods	45	0	3
DEDU 213	Sociology of Education	45	0	3
DEDU 215	Growth and Development in Humans	45	0	3
HIST 222	Liberation Movements and Decolonized African States	45	0	3
KISW 213	Introduction to Kiswahili Oral Literature and Fieldwork	45	0	3
KISW 214	Contemporary Kiswahili Poetry	45	0	3

Year 2 trimester 2

DEDU 216	Measurement, Assessment and Evaluation in Education	45	0	3
DEDU 217	Educational Media and Materials	45	0	3
KISW 223	Morphology and Syntax in Kiswahili	45	0	3

KISW 224	Contemporary Kiswahili Play	45	0	3
HIST 223	European History	45	0	3

Year 2 trimester 3

DEDU 225	Management and leadership in schools	45	0	3
DEDU 226	Guidance and Counseling in Schools	45	0	3
DEDU 223	Special Instructional Methods for History	45	0	3
DEDU 229	Special Instruction Methods for Kiswahili	45	0	3
HIST 225	West Africa since 1800	45	0	3
HIST 224	Themes in Economic History of Kenya since 1963	45	0	3
KISW 225	Novels and Short Stories in Kiswahili	45	0	3
DEDU 241	TEACHING PRACTICE (SCHOOL TERM)			6

GEOGRAPHY, KISWAHILI AND EDUCATION

<u>COURSE CODE</u>	<u>TITLE</u>	<u>L</u>	<u>P</u>	<u>CF</u>
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Year 1 semester 1

COMS 110	Communication Skills I	45	0	3
COMP 100	Introduction to Computer Applications	45	0	3
BIBL 110	Old Testament Survey	45	0	3
MATH 100	General Mathematics	45	0	3
DEDU 111	History of Education	45	0	3
GEOG 110	Introduction to Physical and Biological Geography	45	0	3
GEOG 111	Introduction to Human Geography	45	0	3
KISW 111	Introduction to Languages and Linguistics in Kiswahili	45	0	3
KISW 112	Language use and Communication in Kiswahili	45	0	3

Year 1 semester 2

DEDU 120	Introduction to Educational psychology	45	0	3
DEDU 121	Curriculum Development	45	0	3
BIBL 120	New Testament Survey	45	0	3
GEOG 122	Development and Geography in Africa	45	0	3
GEOG 121	Practical Geography	45	0	3
KISW 123	Kiswahili Phonetics and Phonology	45	0	3
KISW 122	Literature and Literary Criticism in Kiswahili	45	0	3

Year 2 trimester 1

DEDU 210	Introduction to Instructional Methods	45	0	3
DEDU 213	Sociology of Education	45	0	3
DEDU 215	Growth and Development in Humans	45	0	3
GEOG 211	Quantitative Methods in Geography	45	0	3
KISW 213	Introduction to Kiswahili Oral Literature and Fieldwork	45	0	3
KISW 214	Contemporary Kiswahili Poetry	45	0	3

Year 2 trimester 2

EDUC 216	Measurement, Assessment and Evaluation in Education	45	0	3
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EDUC 217	Educational Media and Materials	45	0	3
GEOG 220	Economic Geography	45	0	3
GEOG 225	Geomorphologic Studies	45	0	3
KISW 223	Morphology and Syntax in Kiswahili	45	0	3
KISW 224	Contemporary Kiswahili Play	45	0	3
Year 2 trimester 3				
DEDU225	Management and leadership in schools	45	0	3
DEDU 226	Guidance and Counseling in Schools	45	0	3
DEDU 224	Special Instructional Methods for Geography	45	0	3
DEDU 229	Special Instruction Methods for Kiswahili	45	0	3
GEOG 226	Issues in Climatology and Meteorology	45	0	3
KISW 225	Novels and Short Stories in Kiswahili	45	0	3
DEDU 241	TEACHING PRACTICE (SCHOOL TERM)			6

KISWAHILI AND EDUCATION

<u>COURSE CODE</u>	<u>TITLE</u>	<u>L</u>	<u>P</u>	<u>CF</u>
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Year 1 semester 1

COMS 110	Communication Skills I	45	0	3
COMP 100	Introduction to Computer Applications	45	0	3
MATH 100	General Mathematics	45	0	3
DEDU 111	History of Education	45	0	3
CRED 111	Introduction to Christian religious education	45	0	3
CRED 112	Pentateuch, Historical Books and Wisdom Literature	45	0	3
KISW 111	Introduction to Languages and Linguistics in Kiswahili	45	0	3
KISW 112	Language use and Communication in Kiswahili	45	0	3

Year 1 semester 2

DEDU 120	Introduction to Educational psychology	45	0	3
DEDU 121	Curriculum Development	45	0	3
CRED 122	Study of the Prophets	45	0	3
CRED 123	Christian Ethics and the Society	45	0	3
KISW 123	Kiswahili Phonetics and Phonology	45	0	3
KISW 122	Literature and Literary Criticism in Kiswahili	45	0	3

Year 2 trimester 1

DEDU210	Introduction to Instructional Methods	45	0	3
DEDU 213	Sociology of Education	45	0	3
DEDU 215	Growth and Development in Humans	45	0	3
CRED 212	Study of the Gospels	45	0	3
CRED 213	Study of the Acts of Apostles	45	0	3
KISW 213	Introduction to Kiswahili Oral Literature and Fieldwork	45	0	3
KISW 214	Contemporary Kiswahili Poetry	45	0	3

Year 2 trimester 2

DEDU216	Measurement, Assessment and Evaluation in			
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	Education	45	0	3
DEDU 217	Educational Media and Materials	45	0	3
CRED 222	Studies in the Epistles and Revelation	45	0	3
CRED 223	Introduction to African Traditional Religion	45	0	3
KISW 223	Morphology and Syntax in Kiswahili	45	0	3
KISW 224	Contemporary Kiswahili Play	45	0	3
<u>Year 2 trimester 3</u>				
DEDU225	Management and leadership in schools	45	0	3
DEDU226	Guidance and Counseling in Schools	45	0	3
DEDU 228	Special Instructional Methods for CRE	45	0	3
DEDU 229	Special Instruction Methods for Kiswahili	45	0	3
KISW 225	Novels and Short Stories in Kiswahili	45	0	3
DEDU 241	TEACHING PRACTICE			6
	(SCHOOL TERM)			

LITERATURE, ENGLISH AND EDUCATION

<u>COURSE CODE</u>	<u>TITLE</u>	<u>L</u>	<u>P</u>	<u>CF</u>
<u>Year 1 semester 1</u>				
COMS 110	Communication Skills I	45	0	3
COMP 100	Introduction to Computer Applications	45	0	3
BIBL 110	Old Testament Survey	45	0	3
MATH 100	General Mathematics	45	0	3
DEDU111	History of Education	45	0	3
ENGL 110	Introduction to Languages and Linguistics	45	0	3
ENGLI 111	Introduction to Phonetics and Phonology	45	0	3
LITE 110	Introduction to Oral Literature	45	0	3
LITE 111	Introduction to Poetry	45	0	3
<u>Year 1 semester 2</u>				
DEDU 120	Introduction to Educational psychology	45	0	3
DEDU 121	Curriculum Development	45	0	3
BIBL 120	New Testament Survey	45	0	3
ENGL 121	Structure English Language	45	0	3
ENGL 122	Introduction to Morphology and Syntax	45	0	3
LITE 120	Introduction to Drama	45	0	3
LITE 121	Introduction to Prose	45	0	3
<u>Year 2 trimester 1</u>				
DEDU 210	Introduction to Instructional Methods	45	0	3
DEDU 213	Sociology of Education	45	0	3
DEDU215	Growth and Development in Humans	45	0	3
ENGL 211	Introduction to Sociolinguistics	45	0	3
ENGL 212	Issues in Phonology of English	45	0	3
LITE 212	Studies in East African Prose	45	0	3
LITE 213	Studies in East African Poetry and Drama	45	0	3

Year 2 trimester 2

DEDU 216	Measurement, Assessment and Evaluation in Education	45	0	3
DEDU 217	Educational Media and Materials	45	0	3
ENGL 221	Grammatical Analysis	45	0	3
ENGL 222	Analysis of Discourse	45	0	3
LITE 223	Appreciation Skills in Literature	45	0	3
LITE 222	Theory and Methods of Oral Literature	45	0	3

Year2 trimester 3

DEDU225	Management and leadership in schools	45	0	3
DEDU 226	Guidance and Counseling in Schools	45	0	3
DEDU 227	Special Instructional Methods for Literature	45	0	3
DEDU 226	Special Instruction Methods for English	45	0	3
LITE 224	Theatre, Performance and Script Writing	45	0	3
DEDU 241	TEACHING PRACTICE (SCHOOL TERM)			6

Diploma in Education (Early Childhood Development Education)

The general purpose of the programme is to produce diploma teachers for employment in public and private secondary schools, primary schools, and post-secondary institutions; as well as bachelor studies in education and related disciplines.

Minimum Admission Requirements

KCSE C (Plain); or Two principles at "A" Level; or P1 Certificate or ECDE certificate.

Expected Learning Outcomes

At the end of the program, a graduate of Diploma in Early Childhood Education is expected to:

- a) Teach relevant early childhood courses in pre-primary schools, primary schools and post secondary institutions.
- b) Plan, develop and execute educational curricula in areas of expertise.
- c) Identify research problems and design appropriate procedures for investigating and analyzing them to provide solutions.
- d) Apply educational theories to their daily teaching assignments in early childhood subjects.
- e) Participate in long life learning along the career path

Graduation Requirements

To qualify for graduation, students enrolled in the Diploma in Early Childhood Education (ECE) programme shall complete a minimum of 108 credit factors divided as follows:

- 1) University Common Courses: 5 courses x 3 Cf's = 15 credit factors
- 2) Education Professional Core Courses: 13 courses x 3 Cf's = 39 credit factors
- 3) Two Teaching Subjects Courses per student: 16 courses x 3 Cf's = 48 credit factors
- 4) Teaching Practice: 6 credit factors

Program Structure

YEAR ONE

SEMESTER I

1. DEDU111: History of Education

L	P	CF
45	0	3

2. DEDU120: Introduction to Psychology	45	0	3
3. BIBL 110: Old Testament Survey	45	0	3
4. DECE 110: Historical Foundations of Early Childhood Education	45	0	3
5. DECE 111: Language Activities	45	0	3
6. DECE 112: Child rights and Protection	45	0	3

SEMESTER II

1. DEDU121: Curriculum Development	45	0	3
2. DEDU217: Educational Media and Materials	45	0	3
3. BIBL 120: New Testament Survey	45	0	3
4. DECE 120: Personality Development	45	0	3
5. DECE 121: Methods of teaching Young Children	45	0	3
6. DECE 122: Physical and Psychomotor Activities	45	0	3

YEAR TWO

SEMESTER I

1. DEDU213: Sociology of Education	45	0	3
2. DEDU215: Growth and Development in Humans	45	0	3
3. COMS 110: Communication Skills I	45	0	3
4. DECE 210: Science Activities	45	0	3
5. DECE 211: Mathematics Activities	45	0	3
6. DECE 213: Creative Arts Activities	45	0	3

SEMESTER II

1. DEDU216: Measurement, Assessment and Evaluation in Education	45	0	3
2. DEDU226: Guidance and Counseling in Schools	45	0	3
3. COMS 111: Introduction to Computers	45	0	3
4. DECE 220: Social studies activities	45	0	3
5. DECE 221: Administration and Management of ECE Programs	45	0	3
6. DECE 222: Children in Need of Special Education	45	0	3

YEAR THREE

SEMESTER I

1. DECE 310: Foods and Nutrition for Young Children	45	0	3
2. DECE 311: Music and Movement Activities	45	0	3
3. DECE 312: Research, Monitoring and Evaluation	45	0	3
4. DECE 223: Material Development	45	0	3
5. DECE 225: Community and Early Childhood Education	45	0	3
6. MATH 100: General Mathematics	45	0	3

SEMESTER II

EDUC 329: Teaching Practice	90	0	6
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Diploma in Theology

The Goal of the Programme

The goal of Diploma in Theology is to produce theologians/pastors at the level of diploma who are trained in theology, ministry, church history, and Bible exposition; and will serve in the church and parachurch as pastors, in institutions as chaplains, and also to prepare them for undergraduate studies.

We expect graduates from this programme will work as:

- Pastors in church ministries
- Chaplains (in schools, military, and healthcare centres).
- Parachurch organization workers
- Missionaries and church planters

Minimum Entry Requirements for Diploma in Theology

Diploma in Theology programmes requires a minimum mean grade of C- (Minus) in KCSE.

Expected Learning Outcomes of the Programme

- 1 At the end of the programme, a graduate of Diploma in Theology of Kabarak University is expected to:
- 2 Be equipped with knowledge of the Bible and the Christian heritage from an Evangelical Christian perspective.
- 3 Communicate effectively the Word of God to others, with a view of winning them to Christ.
- 4 Expound, analyse and understand the Scriptures in a systematic fashion.
- 5 Give a strong theological background to learners who may end up serving God among non-Christian groups and organizations.
- 6 Demonstrate a genuine concern for missionary efforts.
- 7 Demonstrate Christian maturity which expresses itself in commitment to Christ, to His Church and to their denomination.
- 8 Advance in a disciplined study of the Scriptures. This involves a lifetime of study and learning which is characteristic of serious Christians in general and ministers in particular.
- 9 Present a reasoned defence of their faith to critics of the Christian faith.

Graduation Requirement

To qualify for graduation, learners enrolled in the Diploma in Theology programme shall complete a minimum of 87 credit factors divided as follows:

S/N	COURSE CATEGORIES	NUMBER OF COURSES & CFS	CREDIT FACTORS CFS
	University Common Courses:	3 courses x 3 Cfs	9
	Theological Studies	8 courses x 3 Cfs-	24
	Biblical Studies	8 courses x 3 Cfs	24
	Professional or Pastoral/ Ministry studies	7 courses x 3 Cfs	27
	Internship/Attachment	1 x 3 CF	3
	TOTAL		87

Total credit factors required for graduation will be 87 with a pass mark of 50% in each course.

Program Structure

YEAR 1 SEMESTER 1

CODE	TITLE	L	P/T	CF
MATH 100	Introduction to Mathematics	45	0	3.0
COMP 100	Introductions to Computer Applications	30	30	3.0
COMS 110	Academic Communication Skills I	45	0	3.0
DBIB 112	Pentateuch	45	0	3.0
DCHP 110	Introduction to Chaplaincy	45	0	3.0
DMIN 113	Spiritual and Character Formation	30	30	3.0
DTHE 114	Introduction to Christian Education	45	0	3.0
	TOTAL	285	60	21.0

YEAR 1 SEMESTER 2

CODE	TITLE	L	P/T	CF
DBIB 122	Historical Books and Wisdom and Literature	45	0	3.0

DBIB 123	Gospels and Acts	45	0	3.0
DBIB 124	Bible Study Methods	30	30	3.0
DMIN 125	Introduction to Christian Counselling	30	30	3.0
DMIN 126	Homiletics and Public Speaking	30	30	3.0
DMIN 127	Evangelism and Discipleship	30	30	3.0
DMIN 128	Introduction to Leadership Development	45	0	3.0
DTHE 129	Theology I	45	0	3.0
	TOTAL	300	120	24.0
	YEAR TOTAL	585	180	45.0

YEAR 2 SEMESTER 1

CODE	TITLE	L	P/T	CF
DBIB 212	Prophets	45	0	3.0
DBIB 213	Biblical Hermeneutics	30	30	3.0
DMIN 214	Biblical Preaching	30	30	3.0
DMIN 215	Pastoral Theology	45	0	3.0
DTHE 216	Introduction to Christian Ethics	30	30	3.0
DTHE 217	Theology II	45	0	3.0
DTHE 218	General Methods & Principles of Teaching	45	0	3.0
	TOTAL	270	90	24.0

YEAR 2 SEMESTER 2

CODE	TITLE	L	P/T	CF
DBIB 222	Pauline Epistles	45	0	3.0
DBIB 223	General Epistles and Revelation	45	0	3.0
DMIN 224	Dynamics of Church Growth	45	0	3.0
DMIN 228	Practicum	0	0	3.0
DTHE 225	Human Growth and Development	45	0	3.0

DTHE 227	History of the Church	45	0	3.0
DTHE 226	World Religions and Cults	30	30	3.0
	TOTAL	255	30	21.0
	YEAR TOTAL	525	120	45.0

Certificate in Early Childhood Education

The general purpose of the programme is to produce certificate teachers for employment in public and private secondary schools, primary schools, and post-secondary institutions.

Minimum Admission Requirements

KCSE C-, or two principal passes at "A" Level

Expected Learning Outcomes

At the end of the programme, a graduate of Certificate in Early Childhood Education (CECE) is expected to:

- 1) Teach relevant early childhood courses in pre-primary schools, primary schools and post secondary institutions.
- 2) Plan, develop and execute educational curricula in areas of expertise.
- 3) Identify research problems and design appropriate procedures for investigating and analyzing them to provide solutions.
- 4) Apply educational theories to their daily teaching assignments in early childhood subjects.
- 5) Participate in long life learning along the career path

Graduation Requirements

To qualify for graduation, students enrolled in the Certificate in Early Childhood Education (CECE) programme shall complete a minimum of 108 credit factors divided as follows:

- 1) University Common Courses: 3 courses x 3 Cf's =9 credit factors
- 2) Seven Teaching Subjects Courses per student:7 courses x 3 Cf's = 21 credit factors
- 3) Teaching Practice: 6 credit factors

Program Structure

	CF	P	L
YEAR ONE			
SEMESTER I			
1. CECE 001: Historical foundation of ECDE in Kenya	3	0	35
2. CECE 002: Administration and management of ECDE in Kenya	3	0	35
3. CECE 003: Child growth and development	3	0	37

4. CECE 004: Health, nutrition and care	3	0	37
5. CECE 005: ECDE curriculum	3	0	35
6. CECE 006: Teaching and learning methods	3	0	35
7. CECE 007: Introduction to children with special needs	3	0	35
8. CECE 008: Introduction to guidance and counseling	3	0	35

SEMESTER II

1. CECE 009: Introduction to child psychology	3	0	35
2. CECE 010: General approaches to teaching languages in ECDE	3	0	35
3. CECE 011: English language	3	0	35
4. CECE 012: Lugha ya Kiswahili	3	0	35
5. CECE 013: Mathematics activities	3	0	35
6. CECE 014: Science activities	3	0	35
7. CECE 015: Social environmental activities	3	0	35
8. CECE 016: Music and movement activities	3	0	35

YEAR TWO SEMESTER I

1. CECE 017: Creative art activities	3	0	35
2. CECE 018: Physical activities	3	0	35
3. CECE 019: Religious education	3	0	35
4. CECE 020: Material development	3	15	35
5. CECE 021: Introduction to research	3	20	35
6. CECE 022: Integrating community in ECDE centres	3	0	35
7. CECE 023: Child rights and child protection	3	0	35

Optional Courses

CECE 025: Current Affairs	3	0	35
CECE 026: History of Kenya	3	0	35

SEMESTER II

CECE 024: Teaching practice	6	0	90
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SCHOOL OF LAW

Bachelor of Laws

The general purpose of the programme is to produce graduates for employment in public service, international organizations, private sector, and other related fields; as well as for postgraduate studies in law and related disciplines.

Minimum Admission Requirements

KCSE C+ with B (plain) in English or Kiswahili.

Expected Learning Outcomes

At the end of the programme, a graduate of Bachelor of Laws is expected to:

- 1) Demonstrate a clear comprehension of the theory and substance of law.
- 2) Handle legal matters with a strong manifestation of sound legal knowledge, moral values and professional responsibility.
- 3) Communicate clearly and logically with clients and other players in the legal system.
- 4) Competently draft and edit legal briefs and other documents.
- 5) Efficiently carry out research on any legal issues.

Graduation Requirements

To qualify for graduation with the Bachelor of Laws degree, students must pass a total of 57 course units divided as follows:

COURSE CATEGORY	UNITS	CREDIT FACTORS
University Common Courses	4	12
Program Core Courses	43	129
Elective Courses	10	30
TOTAL	57	171

Program Structure

The units marked by asterisk (*) are University Common Courses

The units marked by asterisk (*) are University Common Courses

YEAR ONE

First Semester		Credit Hours	Contact Hours
*BIBL 110	Bible I for Lawyers	3 hours	45 hours
*COMS 110	Communication Skills	3 hours	45 hours
KLAW110	Law of Tort I	3 hours	45 hours
KLAW111	Legal Research and Writing	3 hours	45 hours
KLAW112	Constitutional Law I	3 hours	45 hours
KLAW113	Law of Contracts I	3 hours	45 hours
KLAW114	Criminology and Penology	3 hours	45 hours
KLAW115	Social Foundations of Law	3 hours	45 hours
Second Semester			
*COMP 100	Introduction to Computer Applications	3 hours	45 hours
*BIBL 120	Bible II for Lawyers	3 hours	45 hours
KLAW120	Torts II	3 hours	45 hours
KLAW121	Constitutional Law II	3 hours	45 hours
KLAW122	Law of Contracts II	3 hours	45 hours
KLAW123	Legal Systems and Methods	3 hours	45 hours
KLAW124	Criminal Law	3 hours	45 hours

YEAR TWO

First Semester

KLAW210	Criminal Procedure and Practice	3 hours	45 hours
KLAW211	Law of Evidence I	3 hours	45 hours
KLAW212	Elections Law	3 hours	45 hours
KLAW213	Civil Procedure I	3 hours	45 hours
KLAW214	Administrative Law	3 hours	45 hours
KLAW215	Law of Equity and Trusts	3 hours	45 hours
KLAW216	Fundamental Rights and Freedoms	3 hours	45 hours
KLAW217	Public International Law	3 hours	45 hours

Second Semester

KLAW 220	Law of Evidence II	3 hours	45 hours
KLAW221	Civil Procedure II	3 hours	45 hours
KLAW222	Judicial Review	3 hours	45 hours
KLAW223	Commercial Law	3 hours	45 hours
KLAW224	Devolution and Governance Law	3 hours	45 hours
KLAW225	International Humanitarian Law	3 hours	45 hours
KLAW226	International Human Rights Law	3 hours	45 hours
KLAW227	Judicial Attachment	3 hours	45 hours

YEAR THREE**First Semester**Core Courses

KLAW310	Law of Business Associations I	3 hours	45 hours
KLAW311	Property Law I	3 hours	45 hours
KLAW312	Jurisprudence	3 hours	45 hours
KLAW313	Family and Succession Law I	3 hours	45 hours
KLAW314	Labour Law	3 hours	45 hours

Electives

The students shall choose **any three** of the following electives:

KLAW315	Consumer Protection Law	3 hours	45 hours
KLAW316	Accounting for Lawyers	3 hours	45 hours
KLAW317	Taxation Law	3 hours	45 hours
KLAW318	Oil, Gas and Energy Law	3 hours	45 hours
KLAW319	Alternative Dispute Resolution	3 hours	45 hours

Second Semester

Core Courses

KLAW320	Property Law II	3 hours	45 hours
KLAW321	Family and Succession Law II	3 hours	45 hours
KLAW322	International Criminal Law	3 hours	45 hours
KLAW323	Environmental and Natural Resources Law	3 hours	45 hours
KLAW324	Law of Business Associations II	3 hours	45 hours

Electives

The students will choose **any three** of the following electives:

KLAW325	East Africa Community and Regional Integration Law	3 hours	45 hours
KLAW326	Law of Insurance	3 hours	45 hours
KLAW327	Trial Advocacy	3 hours	45 hours
KLAW328	Competition Law	3 hours	45 hours
KLAW329	Banking Law and Practice	3 hours	45 hours

YEAR FOUR

First Semester

KLAW410	Professional Ethics	3 hours	45 hours
KLAW411	Intellectual Property Law	3 hours	45 hours

KLAW412	Research Paper – Part I	3 hours	45 hours
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Electives

The students will choose **any two** of the following electives:

KLAW413	International Trade Law	3 hours	45 hours
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KLAW414	Securities Regulation Law	3 hours	45 hours
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KLAW415	International Air and Space Law	3 hours	45 hours
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Second Semester

KLAW420	Public Procurement Law	3 hours	45 hours
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KLAW421	Conveyancing Law and Practice	3 hours	45 hours
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KLAW412	Research Paper – Part II	3 hours	45 hours
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Electives

The students will choose **any two** of the following electives:

KLAW422	Children and the Law	3 hours	45 hours
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KLAW423	Gender and the Law	3 hours	45 hours
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KLAW424	Cyberspace Law	3 hours	45 hours
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KLAW425	Public Health Law	3 hours	45 hours
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Note: KLAW 412 Part I and Part II is a continuation of the same Research Paper in the nature of a dissertation that is offered over a period of two semesters which therefore accounts for 6 CFs and two unit grades.

SCHOOL OF MEDICINE AND HEALTH SCIENCES

Master of Medicine in Family Medicine

The goal of the program is to train and mentor Family Medicine physicians who will provide comprehensive and holistic health care to the family and community by providing leadership, research and advocacy, bringing families and communities to a place of health and wholeness through compassionate health care that exemplify the healing power of Christ.

Expected Learning Outcomes

At the end of this program, all Master of Medicine in Family Medicine graduates from Kabarak University should possess the following knowledge, skills and attitudes:

- **Learning Outcome 1 - Clinical Care:** Comprehensive knowledge of clinical specialties and overlapping disciplines of Christian theology, bioethics, research, healthcare management and policy and community health as measured by passing scores on Part I and Part II examinations.
- **Learning Outcome 2 - Clinical Care:** Manage information for clinical decision making to provide comprehensive and holistic healthcare and communicate effectively with the healthcare team, individual and family as measured by faculty evaluations.
- **Learning Outcome 3 - Clinical Care:** Integrate ethical and Biblical values into professional duties as measured by faculty evaluations and self-assessment.
- **Learning Outcome 4 - Research:** Engage effectively in relevant clinical research by successfully completing a quality improvement project and research-based thesis.
- **Learning Outcome 5 – Health Service Management:** Function competently as a primary health care team member and leader in a health care institution and within the community as measured by faculty and health centre staff evaluations and self-assessment.
- **Learning Outcome 6 – Health Service Management:** Demonstrate efficient and effective management of health services as measured by faculty and health institution evaluations.
- **Learning Outcome 7 – Leadership:** Advocate for underserved populations and the promotion of health of the individual and community as measured by evaluations from faculty and community supervisors and self-assessment.
- **Learning Outcome 8 – Leadership:** Practice high ethical and professional behavior in all areas of life including a commitment to life-

long learning as measured by faculty evaluations, mentorship and professional portfolios.

Minimum Admission Requirements

Bachelor of Medicine and Surgery (M.B.Ch.B.) degree or an equivalent degree; registered or meets the requirements for registration by the Medical Practitioners and Dentists Board of Kenya ; pass an admission examination and interview administered by the Department of Family Medicine.

Graduation Requirements

To qualify for graduation, residents will complete a total of 217 credit factors or 8,205 hours.

Program Structure

Part I					
COURSECODE	COURSE TITLE	CF	LEHR	PCHR	TOTAL HRS
CHAS 701	Physicianship	3	45	0	45
CHAS 702	Academic Writing	3	45	0	45
CHAS 703	Reflective Learning and Teaching	4	60	0	60
CHAS 704	Health Research Methods	6	90	0	90
CHAS 705	Epidemiology and Biostatistics	6	90	0	90
CHAS706	Christian Faith and Healing	2	30	0	30
CHAS707	Biblical Perspective of Bioethics	2	30	0	30
CHAS708	Emergency Life Support Methods	3	30	45	75
FMED711	Internal Medicine	13	0	585	585
FMED712	Pediatrics	13	0	585	585
FMED713	Obstetrics and Gynaecology	13	0	585	585
FMED714	General Surgery and Orthopaedics	13	0	585	585
FMED715	Critical care	4	0	180	180
FMED 716	Ophthalmology for Primary Care	2	0	90	90
FMED 717	Otolaryngology for Primary Care	2	0	90	90
FMED 718	Ultrasound and CT Imaging	3	30	45	75
	Part Subtotal	92	450	2790	3240

Table 9: Part II Course Requirements

COURSECODE	COURSE TITLE	CF	LE HR	PC HR	TOTAL HRS
CHAS741	Medicine and the Law	2	30	0	30

FMED742	Health Services Leadership	5	30	135	165
FMED 743	Dermatology for Primary Care	3	30	45	75
FMED 744	Psychiatry for Primary Care	4	30	90	120
FMED 745	Counseling for Primary Care	5	60	45	105
FMED751	Care of Special Patient Populations	8	30	270	300
FMED752	Community Oriented Primary Care	17	60	585	645
FMED753	Integrated Acute Care Family Medicine	26	0	1170	1170
FMED754	Integrated Chronic Care Family Medicine	13	0	585	585
FMED755	County Hospital Attachment	8	0	360	360
FMED 756	Cross-cultural Clinical Care	10	30	360	390
FMED760	Electives	12	0	540	540
FMED780	Research Implementation	12	30	450	480
	Part II Subtotal	125	330	4,635	4,965
	Total of Course	217	780	7,425	8,205

Master of Science in Human Nutrition and Dietetics

The general objective is to be the hallmark of Nutrition and dietetics excellence by developing relevant competencies to enable graduates acquires relevant skills to design and implement nutrition and dietetics interventions at national and international levels. The program will offer professional and scientific training, research, consultancy, policy development and publications.

Minimum Admission Requirements

BSc. Second Class Honours Upper Division in any of the following areas: Human Nutrition and Dietetics, Nursing, Biomedical Sciences, MBChB, paramedical areas, Public health, Physiology, Biochemistry, Food Science and Technology, Community Health and development or equivalent qualifications. Those with Second Class Lower Division must have at least 2 years practical experience after graduation.

Expected Learning Outcomes

By the end of the program, the learners should be able to:

1. Demonstrate a thorough understanding of content and skills, knowledge, theories, and issues that comprise their discipline.
2. Plan and implement effective strategies to ensure healthy clients, healthy cities and communities.
3. Demonstrate competence in handling the unique nature, abilities, cultures, and characteristics of all people.
4. Utilize science and technology to enhance the effectiveness of designed programmes for clients.
5. Establish positive relationships and collaborate with a variety of target groups (e.g. Students, colleagues, families, local community members, etc.) in order to promote and enhance the health of a community.

Graduation Requirements

To qualify for graduation, candidates must attain take and pass 153 credit factors.

Program Structure

S/N	Code	Course Title	Credit Hours	CF
Year 1 SEMESTER 1				

HND 700	Research Methods	45 hrs	3
HND 701	Advanced Biostatistics	45 hrs	3
HND 702	Critical thinking	45 hrs	3
HND 703	Nutrition and dietetics Seminar and Workshop	45 hrs	3
HND 704	Instrumentation and Lab rotations	45 hrs	3
HND 705	Legal and policy Framework in Nutrition and dietetics	45 hrs	3
HND 706	Bioethics and Biosafety in Human Research	45 hrs	3
HND 707	Advanced Dietetics	45 hrs	3
HND 708	Leadership in Nutrition and dietetics	45 hrs	3
Year 1 SEMSTER 2 (Specialization)			
Clinical Dietetics			
HND 709	Clinical Methods in Dietetics	45hrs	3
HND 710	Pathophysiology	60 hrs	4
HND 713	Pharmacology and Therapeutics of nutrition and dietetics related disease	45 hrs	3
HND 730	Research Proposal	45 hrs	3
ELECTIVES			
HND 712	Immunology, Endocrinology and Lifestyle conditions	45 hrs	3
HND 714	Microbial Physiology	45 hrs	3
HND 715	Cell and Molecular toxicology Techniques	45hrs	3
HND 731	Nutrition and Dietetics project planning and management	45 hrs	3
HND 733	Clinical Nutrition Skills	90 hrs	5
Therapeutic Nutrition			
HND 716	Food and food/Nutrient supplement selection and preparation	45 hrs	3
HND 717	Food and Nutrient processing technology	45 hrs	3
HND 717	Advanced pharmacognosy	45 hrs	3
HND 719	Food microbiology and Parasitology	45 hrs	3
HND 721	Food/ Nutrient product administration and service (Procedures)	45 hrs	3
HND 730	Research Proposal	45 hrs	3

	ELECTIVE		
HND 731	Nutrition and Dietetics project planning and management	45 hrs	3
HND 720	Therapeutic dietetics and product development	45 hrs	3

Nutrition Bioinformatics			
HND 723	Sequences and databases	60 hrs	4
HND 724	Protein and biomolecular structure analysis	60 hrs	4
HND 725	Molecular Systematics	60 hrs	4
HND 727	Gene mapping in medicine	60 Hrs	4
HND 732	Consultancy in Nutrition and Dietetics	45 hrs	3
HND 730	Research Proposal	45 hrs	3
	ELECTIVES		
HND 731	Nutrition and Dietetics project planning and management	45 hrs	3
HND 726	Functional Genomics and Gene Expression analysis	60 hrs	4
Year 2: SEMESTER 1 & 2			92
HND 734	Research Thesis	540 hrs	18
Total		945 hrs	153

Bachelor of Science in Clinical Medicine

The goal of this program is to produce an all rounded clinician in both curative and preventive medicine with Christian ethics and moral values.

Admission Requirements

KCSE C+ with C+ in English/Kiswahili, Mathematics/Physics, Chemistry and Biology.

Expected Learning Outcomes

By the end of the four-year programme, the trainee should be able to:

- 1) Employ critical thinking in solving problems in clinical practice
- 2) Apply both theoretical and practical knowledge and skills pertaining to clinical practice effectively and efficiently for the benefit of humanity
- 3) Progress to higher level of studies in the fields of specialisation
- 4) Abide by health and safety rules and regulations for health workers and clients or patients.
- 5) Develop basic skills in administration and supervision of staff in health care setting.

Graduation Requirements

To qualify for graduation, students enrolled in the Bachelor of Science in Clinical Medicine programme shall complete a total of:

238 credit factors

2090 lecture hours

2905 practical hours

Program Structure

COURSE CODE	COURSE TITLE	LECTURE/DIRECTED STUDY HOURS	PRACTICALS AND CLINICAL HOURS	CREDIT FACTOR (CF)
Year 1 Trimester 1				
BIBL 110	Old Testament Survey	30	0	2
COMP 100	Introduction to Computer	15	30	2

	Applications			
COMS 100	Communication Skills	30	0	2
COMS 101	Introduction to Critical and creative thinking	30	0	2
ZOOL 200	Cell Biology and Genetics	30	30	3
CMED 112	First Aid and emergency	15	30	2
CMED 113	Introduction to Human Anatomy	30	30	3
CMED 114	Introduction to medical Physiology	30	30	3
CMED 115	Nursing skills	15	30	2
	Sub-total	225	180	21
Year 1 Trimester 2				
BIBL 120	New Testament Survey	30	0	2
CMED 121	Embryology Histology	30	30	3
CMED 122	Anatomy of the upper and lower limbs	45	60	5
CMED 123	Physiology musculoskeletal system	45	30	4
CMED 124	Behavioural Science and Ethics	30	0	2
CMED 125	Medical microbiology	30	30	3
CMED 126	Medical biochemistry	30	30	3
	Sub-total	240	180	19
Year 1 Trimester 3				
CMED 131	Anatomy of head and neck, and neuro anatomy	45	60	5
CMED 132	Neurolocomotar physiology	45	30	4
CMED 134	Medical parasitology	30	30	3
CMED 135	Primary health care & Community based health care	30	30	3
CMED 136	Immunology	30	30	3
CMED 137	Haematology	30	30	3
	Sub-total	210	210	21

Year 2 Trimester 1				
CMED 211	Medical anthropology	30	0	2
CMED 212	Respiratory Cardiovascular physiology	45	45	4
CMED 213	Anatomy of the endocrine system	45	60	5
CMED 214	General pathology	30	30	3
CMED 215	Human Nutrition and Dietetics	30	30	3
CMED 216	General Pharmacology	30	30	3
	Sub-total	210	195	20
Year 2 Trimester 2				
CMED 221	Skills Lab. Methodology	15	30	2
CMED 222	Clinical methods	15	30	2
CMED 223	Epidemiology and Disease Surveillance	45	30	4
CMED 224	Clinical Pathology I	30	30	3
CMED 225	Clinical Pharmacology and Therapeutics	45	30	4
CMED 226	Environmental and Occupational Health	30	30	3
CMED 227	Biostatistics	45	30	4
	Sub-total	225	210	22
Year 2 Trimester 3				
CMED 231	Internal medicine I	30	30	3
CMED 232	Surgery I	30	30	3
CMED 233	Child health I	30	30	3
CMED 234	Reproductive health I	30	30	3
CMED 235	Tropical medicine and Infectious Diseases	30	30	3
CMED 236	Clinical pathology II	30	30	3
CMED 237	Social work and community development	30	30	3
	Sub-total	210	210	21

Year 3 Trimester 1				
CMED 311	Internal medicine II	30	30	3
CMED 312	Surgery II	30	30	3
CMED 313	Child health II	30	30	3
CMED 314	Reproductive health II	30	30	3
CMED 315	Health Services Management I	30	0	2
CMED 316	Medical Education	30	30	3
CMED 317	Complementary medicine	15	30	2
CMED 318	Disaster Management	30	0	2
	Subtotal	225	180	21
Year 3 Trimester 2				
CMED 321	Health Services Management II	30	0	2
CMED 322	Internal medicine III	15	60	3
CMED 323	Surgery III	15	60	3
CMED 324	Child health III	15	60	3
CMED 325	Reproductive health III	15	60	3
CMED 326	Community diagnosis	30	30	3
CMED 327	Research methods	45	0	3
	Subtotal	165	270	20
Year 3 Trimester 3				
CMED 330	Rural health attachment/community diagnosis (3 months)	12 weeks	480 hrs	16
Year 4 Trimester 1				
CMED 411	Research Project	0	90	3
CMED 412	Internal medicine IV	15	60	3
CMED 413	Surgery IV	15	60	3
CMED 414	Child health IV	15	60	3

CMED 415	Reproductive health IV	15	60	3
CMED 416	Palliative medicine	20	20	2
CMED 417	Medical ethics and Medico-legal issues	30	30	3
CMED 418	Dental Health	30	30	3
	Sub-total	140	380	23
Year 4 Trimester 2				
CMED 421	Mental Health and Substance abuse	30	30	3
CMED 422	Ear, Nose and Throat	30	30	3
CMED 423	Ophthalmology	30	30	3
CMED 424	Imaging Sciences	15	30	2
CMED 425	Anaesthesiology	15	30	2
CMED 426	Dermatology	15	30	2
CMED 427	Health Economics	30	0	2
	Sub-total	135	180	17
Year 4 Trimester 3				
CMED 431	Internal medicine V	15	60	3
CMED 432	Surgery V	15	60	3
CMED 433	Child health V	15	60	3
CMED 434	Reproductive health V	15	60	3
CMED 435	Senior Clerkship	15	60	3
BMIT 426	Entrepreneurship	30	0	2
	SUB-TOTAL	105	300	17
	TOTAL (4 years)	2090	2905	238

Bachelor of Science in Environmental Health

There is need for prevention, reduction of transmission of both communicable and non-communicable diseases in the human population and improvement of physical, biological, cultural and social environmental conditions. The necessity of capacity building in the field of environmental health has been compounded by the continued increase in environmental hazards emanating from adverse effects of climate change, environmental health effects of globalization (such as pandemics and zoonoses) and non-communicable Diseases.

The Bachelor of Science (BSc.) Degree programme in Environmental Health aims at producing Environmental Health scientists capable of addressing health issues by responding effectively to deteriorating environmental conditions that affect human health with a view to proposing possible solutions thereby enhancing good health and sustainable environmental management.

Minimum Admission Requirements

KCSE C+, with C+ in Chemistry, Biology, English or Kiswahili and Mathematics/Physics

Expected Learning Outcomes

Upon completion of the prescribed course of study, the Bachelor of Science in Environmental Health graduates shall be able to:

1. Demonstrate an in-depth knowledge and understanding of the underlying principles of environmental health.
2. Demonstrate the application of methodologies and approaches needed for the identification and control of factors that can adversely affect the health of present and future generations.
3. Apply the requisite technical, scientific, managerial and interpersonal skill to undertake the profession and practice of environmental health.
4. Demonstrate competencies in the core disciplines of environmental health.
5. Exhibit creativity and innovation in environmental health issues

Graduation Requirements

Program Structure

YEAR I SEMESTER I							
No.	Course Code	Course Title	Credit Factors			Weight (Unit)	Course Category
			Lecture	Practical	Total		
1	BIBL110	Old Testament Survey	45 (3CF)	0	45	3	UCU

2	COMS 110	Communication Skills I	45 (3CF)	0	45	3	UCU
3	BEH111	Development Studies	45 (3CF)	0	45	3	C
4	BEH112	Principles of Office Administration and Management	45 (3CF)	0	45	3	C
5	BEH113	Health Care Skills	30 (2CF)	30 (1CF)	60	3	SCU
6	BEH114	Mathematics for Environmental Health	45 (3CF)	0	45	3	B
7	BEH115	Principles of Chemistry	45 (3CF)	0	45	3	B
8	BEH116	Physics for Environmental Health	45 (3CF)	0	45	3	B

YEAR I SEMESTER II

No.	Course Code	Course Title	Credit Factors			Weight (Unit)	Course Category
			Lecture	Practical	Total		
1	BIBL120	New Testament Survey	45 (3CF)	0	45	3	UCU
2	COMP 100	Introduction to Computer Applications	30 (2CF)	30 (1CF)	60	3	UCU
3	BEH121	Principles of Environmental Health	75(5CF)	0	75	5	P
4	BEH122	Human Anatomy and Physiology	60 (4CF)	30 (1CF)	90	5	B
5	BEH123	Behavioral Sciences and Ethics	45 (3CF)	0	45	3	SCU
6	BEH124	Anatomy and Physiology of Food Animals	45(3CF)	60 (2CF)	105	5	B
7	BEH 125	Technical Drawing and Land Surveying	45(3CF)	30 (1CF)	75	4	P

YEAR II SEMESTER I

No.	Course Code	Course Title	Credit Factors			Weight (Unit)	Course Category
			Lecture	Practical	Total		
1	BIBL210	The Redemption Story	45 (3CF)	0	45	3	UCU
2	BEH211	Foundations of Epidemiology	45 (3CF)	0	45	3	P
3	BEH212	Medical Biochemistry	30 (2CF)	30 (1CF)	60	3	B
4	BEH213	Medical	30 (2CF)	30 (1CF)	60	3	B

		Microbiology					
5	BEH214	Medical Parasitology	30 (2CF)	30 (1CF)	60	3	B
6	BEH215	Human Immunology	30 (2CF)	30 (1CF)	60	3	B
7	BEH216	Ecology and Health	45 (3CF)	0	45	3	P
YEAR II SEMESTER II							
No.	Course Code	Course Title	Credit Factors			Weight (Unit)	Course Category
			Lecture	Practical	Total		
1	BIBL222	Christian Ethics	45 (3CF)	0	45	3	UCU
2	BEH221	Entomology and Pest Management	45 (3CF)	60 (2CF)	105	5	P
3	BEH222	Community Health	45 (3CF)	0	45	3	P
4	BEH223	Water Supply and Quality Control	45 (3CF)	60 (2CF)	105	5	P
5	BEH224	Biostatistics	45 (3CF)	30 (1CF)	75	4	P
6	BEH225	Human and Community Nutrition	30 (2CF)	30 (1CF)	60	3	P
7	BEH226	Drainage and Conservancy	30 (2CF)	30 (1CF)	60	3	P
8	BEH 227	Attachment I: Rural Health	0	180 (6CF)	180	6	P
YEAR III SEMESTER I							
No.	Course Code	Course Title	Credit Factors			Weight (Unit)	Course Category
			Lecture	Practical	Total		
1	BEH311	Principles of Pharmacology and Toxicology	75(5CF)	0	75	5	C
2	BEH312	Building Science and Materials	30 (2CF)	30 (1CF)	59	3	P
3	BEH323	Food Science and Technology	45(3CF)	60 (2CF)	105	5	P
4	BEH315	Meat Pathology and Inspection	45 (3CF)	60 (2CF)	105	5	P
5	BEH317	Environmental Pollution and Control	45 (3CF)	60 (2CF)	105	5	P
6	BEH225	Solid and Hazardous Waste Management	45 (3CF)	60 (2CF)	105	5	P

7	BEH313	Liquid Waste Management	45 (3CF)	60 (2CF)	105	3	P
YEAR III SEMESTER II							
No.	Course Code	Course Title	Credit Factors			Weight (Unit)	Course Category
			Lecture	Practical	Total		
1	BEH321	Health Research Methodology	45 (3CF)	0	45	3	P
2	BEH 310	Building Construction and Technology	45 (3CF)	60 (2CF)	105	5	P
3	BEH 324	Health Services Management and Policy	60 (4CF)	0	60	4	C
4	BEH 325	Project Planning, Monitoring and Evaluation	45 (3CF)	0	45	3	C
5	BEH 415	Health Information Management and GIS	45 (3CF)	30 (1CF)	75	4	C
6	BEH 411	Population Health and Demography	60 (4 CF)	0	60	4	P
7	BEH 325	Biotechnology and Public Health	45 (3CF)	30 (1CF)	75	4	P
YEAR IV SEMESTER I							
No.	Course Code	Course Title	Credit Factors			Weight (Unit)	Course Category
			Lecture	Practical	Total		
1	BEH411	Communicable Diseases and Control	60 (4 CF)	0	60	4	P
2	BEH412	Applied Epidemiology	45 (3CF)	0	59	3	P
3	BEH413	Health Economics	45 (3CF)	0	45	3	C
4	BEH414	Disaster Preparedness and Response	30 (2CF)	30 (1CF)	60	3	P
5	BEH415	Environmental Impact and Environmental Health Impact Assessment	45 (3CF)	30 (1CF)	75	4	P
6	BEH416	Land Development and Settlement Management	45 (3CF)	30 (1CF)	75	4	P

7	BEH417	Research Project	0	180 (6CF)	270	6	P
8	BEH418	Attachment II: Urban Health	0	180 (6CF)	180	6	P
YEAR IV SEMESTER II							
No.	Course Code	Course Title	Credit Factors			Weight (Unit)	Course Category
			Lecture	Practical	Total		
1	BMIT 426	Entrepreneurship	30 (2CF)	0	30	2	C
2	BEH421	Non-Communicable Diseases	45 (3CF)	0	45	3	P
3	BEH422	Health Education and Promotion	60 (4 CF)	0	60	4	P
4	BEH422	Public Health Laws and Enforcement	45 (3CF)	30 (1CF)	75	4	P
5	BEH414	Port Health	30 (2CF)	30 (1CF)	60	3	P
6	BEH421	Occupational Health and Safety	45 (3CF)	0	45	3	P
7	BEH423	Climate Change and Health	45 (3CF)	0	45	3	P
8	BEH427	Environmental Health Elective	0	180 (6CF)	180	6	P

KEY

UCU: University Common Unit
 SCU: School Common Unit
 B: Prerequisite Basic Sciences Course
 P: Core Profession Course
 C: Complementary Course

Bachelor of Science in Human Nutrition and Dietetics

The degree programme aims at training graduate Nutritionists capable of providing health services to humanity internationally at all levels. The purpose is to create and impart knowledge, skills and technology in Nutrition and Dietetics for health improvement.

Minimum Admission Requirements

KCSE C+ with C+ in Biology, Chemistry, Mathematics/Physics, English/Kiswahili; OR Ordinary Diploma in Nutrition and Dietetics/Nutrition and Food Sciences from recognized institutions and duly registered with KNDI.

Expected Learning Outcomes

By the end of the nutrition and dietetics course, the graduates will have acquired knowledge and skills to be able to:

1. Participate in educating the public on ways to promote health and prevent ill-health through appropriate dietary practices.
2. Apply the knowledge skills and attitudes to undertake quality nutrition and dietetic practice in a range of setting including disasters and emergencies.
3. Apply independent learning and reflective practice skills to allow capacity for self-evaluation and management that is strategic and focuses on quality nutrition and dietetics practice.
4. Apply nutritional skills in management of disease through planning, monitoring and evaluation of appropriate case-specific nutrition interventions.
5. Demonstrate skills to practice in an ethical and professional manner in a changing work environment.
6. Demonstrate the ability to apply inter-disciplinary approaches to the prevention promotion of wellbeing and management of nutrition and dietetic problems.
7. Demonstrate commitment to the nutrition and dietetics discipline including individual and collective professional development.
8. Provide leadership in solving problems related to nutrition and dietetics.
9. Engage in postgraduate and continuing education and professional.
10. Participate in the policy formulation process pertaining to human nutrition and dietetics and management of human nutrition services as a member of the healthcare team, and as team leader.

11. Participate in and initiation of change in human nutrition practices, strategies and policies.

Graduation Requirements

To qualify for graduation, the candidate must take and pass a total of 190 credit factors, translating into 3200 contact hours covering both theory and practical components of the curriculum.

Program Structure

Code:

CF - Credit Factors
LH - Lecture Hours
PH - Practical Hours

Year one: First Semester

CODE	TITLE	CF	LH	PH	Total LH
BIBL 110	Old Testament Survey	3	3	3	45
BHND 100	Physical And Inorganic Chemistry	3	2	3	70
BHND 101	Macronutrients	3	2	3	70
BHND 102	Information And Communication Technology	3	3	2	70
BHND 103	Introduction To Nutrition and Dietetics	3	3	-	45
COMP 100	Introduction To Computer Application	3	3	2	70
COMS 100	Communication Skills I	3	3	-	45
Total					415

YEAR ONE: SECOND TRIMESTER

BIBL 120	New Testament Survey	3	3	-	45
BHND 104	Human Anatomy	3	2	3	70
BHND 105	Human Physiology	3	3	2	70
BHND 106	Cell Biology and Genetics	3	2	3	70
BHND 107	Behavioral Sciences and Ethics	3	3	-	45
MATH 100	Mathematics	3	3	-	45
Total					345

Year 2: Semester 1

BIBL 210	The Redemption Story	3	3	-	45
BHND 200	Human Nutrition	3	3	2	70
BHND 201	Nutrition in the Life Cycle	3	2	3	70
BHND 203	Meal Planning Management and Service	3	2	3	70
BHND 204	Nutritional Assessment	3	2	3	70
BHND 205	Biochemistry	3	2	3	70
Total					395

Year 2: Semester 2

BIBL 222	Christian Ethics	3	3	-	45
BHND 206	HIV AND AIDS	3	3		45
BHND 207	Food Preservation And Processing	3	2	3	70
BHND 208	Therapeutics Dietetics I	3	2	**6	118
BHND 209	Nutrition Pharmacology	3	2	3	70
BHND 210	Food Safety and Sanitation	3	2	3	70
BHND 211	Micronutrient	3	2	3	70
BHND 212	Organic Chemistry	3	2	3	70
Total					418

Year 3: Semester 1

BHND 300	Nutrition Care Process	3	2	**6	118
BHND 301	Nutrition Surveillance	3	2	3	70
BHND 302	Research Methodology	3	2	3	70
BHND 303	Therapeutic Dietetics II	3	2	3*	70
BHND 304	Nutrition and Behavior	3	3	-	45
BHND 305	Primary Health Care	3	2	**6	118
BHND	FIRST AID	3	3	-	45

306					
Total					491

Year 3: Semester 2

BHND 307	Life Skills	3	3	-	45
BHND 308	Food Microbiology and Parasitology	3	2	3	70
BHND 309	Clinical Nutrition Skills	3	2	**6	118
BHND 310	Sociology	3	3	-	45
BHND 311	Molecular Biology and Immunology	3	2	3	70
BHND 312	Biostatistics	3	3	2	70
BHND 313	Nutrition Epidemiology	3	3	-	45
Totals					463

Year 4: Semester 1

BHND 400	Nutrition In Emergency	3	3	2	70
BHND 401	Nutrition Education and Counseling	3	2	-	70
BHND 402	Psychology	3	3	-	45
BHND 403	Nutrition In Disease Management	3	3	-	45
BHND 404	Nutrition Anthropology	3	3	-	45
BHND 405	Communicable & non Communicable Diseases	3	3	-	45
BHND 406	Entrepreneurship	3	3		45
Totals					365

Year 4: SEMESTER 2

BHND 407	Policy And Legislation In Nutrition	3	3	-	45
BHND 408	Leadership In Nutrition	3	3	2	45
BHND 409	Nutrition &Dietetics Workshops & Seminars	3	3	2	70

BHND 410	Maternal And Child Nutrition	3	3	2	70
BHND 411	Food Biotechnology	3	3	2	70
Totals					300

YEAR 4: 3 Trimester

BHND 412	Field Attachment	8	2	**6	45
TOTALS					

Bachelor of Science in Nursing (BScN)

The programme prepares graduates for effective service in nursing, patient care, and health education.

Minimum Admission Requirements

KCSE C+ with C+ in Chemistry, Biology, English or Kiswahili, Physics or Mathematics

Expected Learning Outcomes

At the end of the programme, a graduate of Bachelor of Science in Nursing program is expected to:

- 1) Assess and appropriately recognize the health needs of a population and plan for necessary interventions.
- 2) Apply nursing process as a scientific basis in providing holistic nursing care for patient/clients in a variety of settings.
- 3) Manage activities and provide professional leadership in provision of nursing care service to individuals, families and communities.
- 4) Demonstrate competence in utilization of available resources to meet identified needs of individuals, families and communities.
- 5) Design, develop and implement training curricula.
- 6) Formulate policies related to health sector reforms in Kenya's health care systems, regionally and globally.
- 7) Apply clinical thinking skills for problem-solving and decision-making.
- 8) Manage, monitor and evaluate programs.

Graduation Requirements

To qualify for graduation, students enrolled in the Bachelor of Science in Nursing program shall complete a minimum of:

- 1) 293 credit factors
- 2) 3461 lecture hours
- 3) 3335 practical hours

Program Structure

COURSE	COURSE TITLE	LECTURE/ DIRECTED	PRACTICAL+	CREDIT FACTOR
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CODE		STUDY	CLINICAL HOURS	(CF)
Year 1 Trimester 1				
BIBL 110	Old Testament Survey	45	0	3
COMP 100	Introduction to Computer Application	30	30 LP	3
COMS 110	Communication Skills I	45	0	3
SCNU 111	Human Anatomy I	60	30 LP	5
SCNU 112	Medical Physiology I	90	30 LP	5
SCNU 113	Clinical Chemistry	45	30 LP	4
	Sub-total	315	120	23
Year 1 Trimester 2				
BIBL 120	New Testament Survey	45	0	3
SCNU 121	Human Anatomy II	60	30 LP	5
SCNU 122	Medical Physiology II	90	15 LP	6.5
SCNU 123	Medical Microbiology I	45	30 LP	4
SCNU 124	Medical Biochemistry I	45	30 LP	4
NURS 121	Fundamentals of Nursing Practice I	45	15 LP	3.5
	Sub-total	330	110	26
Year 1 Trimester 3				
SCNU 131	Human Anatomy III	60	30 LP	5
SCNU 132	Medical Microbiology II	45	15 LP	3.5
SCNU 133	Medical Biochemistry II	45	15 LP	3.5
HUNU 131	Medical Sociology & Anthropology	45	0	3
HUNU 132	Psychology	45	0	3
SCNU 131	Human Anatomy III	60	30 LP	3
NURS 131	Fundamentals of Nursing Practice II	30	0	2
	Sub-total	315	60	23
Year 2 Trimester 1				
BIBL 210	The Redemption Story	45	0	3
SCNU 211	Immunology	45	15 LP	3.5
SCNU 212	Medical Parasitology	45	15 LP	3.5
SCNU 213	Human Pathology I	45	30 LP	4
SCNU 214	Clinical Pharmacology I	90	0	6
HUNU 211	Counseling and Communication	45	0	3
NURS 211	Fundamentals of Nursing Practice III	60	30 LP+45 CP	5.75
	Sub-total	375	135	28.75
Year 2 Trimester 2				
BIBL 222	Christian Ethics	45	0	3
SCNU 221	Haematology	30	15 LP	2.5
SCNU 222	Human Pathology II	45	15 LP	3.5
SCNU 223	Clinical Pharmacology II	90	0	6
NURS 221	Community Health Nursing I	90	60 CP	7
NURS 222	Environmental and Occupational Health	45	60 CP	4

	Sub-total	345	150	26
Year 2 Trimester 3				
NURS 231	Medical-Surgical Nursing I	45	90 CP	4.5
NURS 232	Midwifery I	75	15 LP+90 CP	7
NURS 233	Family Planning and Emergency Contraception	45	80	4
SCNU 231	Epidemiology and Demography	45	60	4
SCNU 232	Communicable & Vector Borne Diseases	60	0	4
	Sub-total	270	335	23
Year 3 Trimester 1				
SCNU 311	Biostatistics	45	0	3
NURS 311	Medical-Surgical Nursing II	45	90 CP	4.5
NURS 312	Midwifery II	135	30 LP + 360 CP	16
	Sub-total	225	480	23.5
Year 3 Trimester 2				
NURS 321	Medical –Surgical Nursing III	45	105 CP	4.75
SCNU 321	Pathophysiology I	45	0	3
NURS 322	Trauma and Emergency/OPD	30	160 CP	4.5
NURS 323	Peri-operative nursing	20	80 CP	2.75
NURS 324	Nephrology and Critical care Nursing	45	80 CP	4
NURS 325	Ophthalmic Nursing	22	40 CP	2.5
NURS 326	ENT Nursing	23	40 CP	2.5
	Sub-total	230	505	24
Year 3 Trimester 3				
SCNU 331	Research Methods	45	0	3
NURS 331	Gynaecological Nursing	45	80 CF	4
NURS 332	Paediatric Nursing and Child Health	90	160 CF	8.5
SCNU 332	Pathophysiology II	90	0	6
NURS 333	Orthopaedics	22	80	2.75
NURS 334	Dental nursing	22	40	2.5
	Sub-total	314	360	26.75
Year 4 Trimester 1				
NURS 411	Research in Nursing	0	90 LP	3
NURS 412	Medical-Surgical Nursing IV	45	120 CP	5
NURS 413	Midwifery III	60	10 LP + 120 CP	6.5
NURS 414	Mental Health & Psychiatric Nursing	90	160 CP	8.5
	Sub-total	195	500	23
Year 4 Trimester 2				
NURS 421	Community Health Nursing II	90	180 CP	9
NURS 422	Leadership & Management in Nursing I	45	60 CP	4

HUNU 421	Education Psychology	45	0	3
NURS 423	Curriculum and Instruction in Nursing	45	160 CP	5
SCNU 421 ^E	Informatics In Nursing	30	30 LP	3
	Sub-total	255	430	24
Year 4 Trimester 3				
NURS 431	Sexual & Reproductive Health Issues	90	30 CP	6.5
NURS 432	Gender and Health	45	0	3
NURS 433	Oncology Nursing	22	0	1.5
NURS 434	Palliative Care Nursing	30	0	2
NURS 435	Forensic Nursing	22	0	1.5
NURS 436	Ethical and Legal Issues in Nursing	30	0	2
NURS 437	Leadership & Management in Nursing II	45	120 CP	5
BMIT 426 ^E	Entrepreneurship	30	0	2
	Sub-total	292	150	23.5
	TOTAL (4 YEARS)	3461	3335	293.5

Diploma in Clinical Medicine and Surgery

The program has been designed to recognize that its graduands will have a strong clinical and community health knowledge in order to provide health care that will integrate curative and preventive health care.

Minimum Admission Requirements

KCSE C (Plain) with C in Biology, C in Biology, English/; English or Kiswahili; and C- Mathematics or Physics.

Expected Learning Outcomes

At the end of the programme, a graduate of the Diploma in Clinical Medicine program is expected to:

- 1) Practice professional values, behavior and ethics.
- 2) Demonstrate a clear understanding of scientific foundation of medicine.
- 3) Practice clinical skills.
- 4) Handle issues related to population health and health systems.
Demonstrate skills for management of information essential for policy decisions, planning and implementation of activities and programs in the health sector.
- 5) Apply critical thinking and research to solve problems in health-related issues.
- 6) Apply leadership and management skills in varying and diverse circumstances.

Graduation Requirements

To qualify for graduation, students enrolled in the Diploma in Clinical Medicine and Surgery programme shall complete a total of:

- 1) 145 credit factors
- 2) 1545 lecture hours
- 3) 1710 practical hours

Program Structure

COURSE CODE	COURSE TITLE	LECTURE HOURS	PRACTICAL HOURS	CREDIT FACTOR (CF)
YEAR 1 TRIMESTER 1				

DBIBL 010	Old Testament Survey	45	0	3
DCOMS 010	Communication Skills	45	0	3
DCOMP 010	Introduction to Computer applications	30	30	3
DCMED 011	Human anatomy I	30	30	3
DCMED 012	Nursing Skills	15	30	2
DCMED 013	Physiology I	30	30	3
DCMED 014	Cell Biology and General Genetics	15	30	2
	SUB-TOTAL	210	150	19
YEAR 1 TRIMESTER 2				
DCMED 021	Basic life Support and Emergency	15	30	2
DCMED 022	Fundamentals of Medical Anthropology	30	0	2
DCMED 023	Behavioural Science	30	0	2
DCMED 024	Embryology and Histology	30	30	3
DCMED 025	Medical Microbiology and Laboratory Techniques	30	30	3
DCMED 026	Medical Biochemistry	30	30	3
DCMED 027	Human Anatomy II	30	30	3
DCMED 028	Physiology II	30	30	3
	SUB-TOTAL	225	150	21
YEAR 1 TRIMESTER 3				
DCMED 031	Immunology For Health care providers	15	30	2
DCMED 032	Haematology	15	30	2
DCMED 033	Foundation of Human Nutrition	15	30	2

DCMED 034	General Pharmacology and Therapeutics	45	0	3
DCMED 035	Clinical Methods 1	30	0	2
DCMED 036	Human Anatomy III	30	30	3
DCMED 037	Physiology III	30	30	3
DCMED 038	Medical Parasitology Laboratory Techniques	15	30	2
DCMED 039	General Pathology	15	30	2
	SUB-TOTAL	210	210	21
YEAR 2 TRIMESTER 1				
DCMED 041	Paediatrics II	30	30	3
DCMED 042	Skills Lab. Methodology	15	30	2
DCMED 043	Clinical Pathology	30	30	3
DCMED 044	Clinical Pharmacology and Therapeutics	30	30	3
DCMED 045	Internal Medicine I	15	30	2
DCMED 046	Surgery I	15	30	2
DCMED 047	Reproductive Health I	15	30	2
DCMED 048	Clinical Methods II	30	30	3
	SUB-TOTAL	180	240	20
YEAR 2 TRIMESTER 2				
DCMED 051	junior Clerkship	15	60	3
DCMED 052	Primary and Community Based Health Care	15	30	2
DCMED 053	Environmental and Occupational Health	15	30	2

DCMED 054	Internal Medicine II	15	30	2
DCMED 055	Paediatrics II	30	30	3
DCMED 056	Surgery II	15	30	2
DCMED 057	Reproductive HealthI II	15	30	2
	SUB-TOTAL	120	240	16
YEAR 2 TRIMESTER 3				
DCMED 061	Disaster Management	15	30	2
DCMED 062	Surgery III	15	30	2
DCMED 063	Internal Medicine III	15	30	2
DCMED 064	Paediatrics III	30	30	3
DCMED 065	Imaging science	15	30	2
DCMED 066	Reproductive Health III	15	30	2
DCMED 067	Epidemiology and Biostatistics	30	30	3
	SUB-TOTAL	135	210	16
DCMED 070	Community Health(Rural health attachment)	10 weeks	400	12
YEAR 3 TRIMESTER 1				
DCMED 071	Internal Medicine IV	30	30	3
DCMED 072	Medical Education	30	0	2
DCMED 073	Paediatrics IV	30	30	3
DCMED 074	Reproductive Health IV	30	30	3
DCMED 075	Surgery IV	15	30	2
DCMED 076	Palliative Medicine	30	0	2
DCMED 077	Research Methodology	30	0	2
	SUB-TOTAL	195	120	17

YEAR 3 TRIMESTER 2				
DCMED 081	Research project	0	60	2
DCMED 082	Dental Health Science	15	30	2
DCMED 083	Mental health & Substance abuse	30	30	3
DCMED 084	Ear, Nose & Throat (ENT)	15	30	2
DCMED 085	Ophthalmology	15	30	2
DCMED 086	Health Services Management	30	0	2
DCMED 087	Internal Medicine V	15	30	2
DCMED 088	Medical Ethics & Medico-legal Issues	30	0	2
	SUB-TOTAL	150	180	17
YEAR 3 TRIMESTER 3				
DCMED 091	Surgery V	15	30	2
DCMED 092	Internal Medicine VI	15	30	2
DCMED 093	Anaesthesiology	15	30	2
DCMED 094	Dermatology	15	30	2
DCMED 095	Health Management & Economics	30	0	2
DCMED 096	Entrepreneurship & Medicine	30	0	2
DCMED 097	Senior Clerkship	15	60	3
	SUB – TOTAL	135	180	15
	TOTAL	1560	2080	174

Diploma in Environmental Health

The goal of this program is to develop a professional with competences to carry out preventive and promotive health services in the community and capable of adapting to changing trends in the health care delivery systems.

Minimum Admission Requirements

KCSE C (plain) with C in English/Kiswahili; C (Plain) in Mathematics/Physics/ Chemistry;
OR Certificate in Environmental Health/Community Health

Expected Learning Outcomes

Graduation Requirements

Program Structure

YEAR 1 TRIMESTER I (SEMESTER 1)

NO.	UNIT CODE	UNIT NAME	WEIGHT		
			LH/CF	PH/CF	TOTAL CH
1	COMS100	Communication Skills	30 (3CF)	0	30
2	DEVH 110	Entrepreneurship	30 (3CF)	0	30
3	BIBL110	Old Testament Survey	30 (3CF)	0	30
4	COMP100	Introduction to Computer Application	15 (1CF)	30 (1 CF)	45
5	DEVH111	Engineering Mathematics	30	0	30
6	DEVH112	Applied Chemistry	15 (1CF)	30 (1 CF)	45
7	DEVH113	Applied Physics	15 (1CF)	30 (1 CF)	45
8	DEVH114	Human Anatomy and Physiology	15 (1CF)	30 (1 CF)	45
SUB-TOTAL					300

YEAR 1 TRIMESTER II (SEMESTER 2)

NO.	UNIT CODE	UNIT NAME	WEIGHT		
			LH/CF	PH/CF	TOTAL CH
1	BIBL120	New Testament Survey	30 (3CF)	0	30
2	DEVH121	Technical and Building Drawing	15 (1CF)	30 (1 CF)	45
3	DEVH122	Medical Microbiology	15 (1CF)	30 (1 CF)	45
4	DEVH123	Behavioural Science I	30 (3CF)	0	30
5	DEVH124	PHC/CPHC	30 (3CF)	0	30
6	DEVH125	Human and Community Nutrition	15 (1CF)	30 (1 CF)	45
7	DEVH126	Epidemiology	30 (3CF)	0	30
8	DEVH127	Medical Parasitology	15 (1CF)	30 (1 CF)	45
SUB-TOTAL					300

Year 1 Trimester III (Semester 3)

NO.	UNIT CODE	UNIT NAME	WEIGHT		
			LH/CF	PH/CF	TOTAL CH
1	BIBL210	The Redemption Story	30 (3CF)	0	30
2	DEVH131	Behavioural Science II	30 (3CF)	0	30
3	DEVH132	Communicable Diseases I	30 (3CF)	0	30
4	DEVH133	Basic Biostatistics	30 (3CF)	0	30
5	DEVH134	STI/HIV/AIDS	30 (3CF)	0	30

6	DEVH135	Pest Control I	15 (1CF)	30 (1 CF)	45
7	DEVH136	Immunology and Immunization	15 (1CF)	30 (1 CF)	45
8	DEVH137	Comparative Anatomy of Food Animals	30 (2 CF)	30 (1 CF)	60
SUB-TOTAL					300

YEAR 2 TRIMESTER I (SEMESTER 4)

NO.	UNIT CODE	UNIT NAME	WEIGHT		
			LH/CF	PH/CF	TOTAL CH
1	BIBL222	Christian Ethics	30 (3CF)	0	30
2	DEVH211	Communicable Diseases II	30 (3CF)	0	30
3	DEVH212	Pest Control II	15 (1CF)	30 (1 CF)	45
4	DEVH213	Community Water Supply I	15 (1CF)	30 (1 CF)	45
5	DEVH214	Health Education and Promotion I	30 (3CF)	0	30
6	DEVH215	Environmental Pollution and Toxicology	15 (1CF)	30 (1 CF)	45
7	DEVH216	Conservancy	15 (1CF)	30 (1 CF)	45
8	DEVH217	Solid Waste Management I	15 (1CF)	30 (1 CF)	45
SUB-TOTAL					315

YEAR 2 TRIMESTER II (SEMESTER 5)

NO.	UNIT CODE	UNIT NAME	WEIGHT		
			LH/CF	PH/CF	TOTAL

					CH
1	DEVH221	Community Water Supply II	15 (1CF)	30 (1 CF)	45
2	DEVH222	Health Education and Promotion II	15 (1CF)	30 (1 CF)	45
3	DEVH223	Solid Waste Management II	15 (1CF)	30 (1 CF)	45
4	DEVH224	Liquid Waste Management I	30 (3CF)	0	30
5	DEVH225	Building Materials	15 (1CF)	30 (1 CF)	45
6	DEVH226	Mechanics of Structures	15 (1CF)	30 (1 CF)	45
7	DEVH227	Drainage	15 (1CF)	30 (1 CF)	45
8	DEVH228	Occupational Health and Safety I	30 (3CF)	0	30
SUB-TOTAL					330

YEAR 2 TRIMESTER III (SEMESTER 6)

NO .	UNIT CODE	UNIT NAME	WEIGHT		
			LH/CF	PH/CF	TOTAL CH
1	DEVH231	Liquid Waste Management II	15 (1CF)	30 (1 CF)	45
2	DEVH232	Occupational Health and Safety II	15 (1CF)	30 (1 CF)	45
3	DEVH233	Quantity Surveying	15 (1CF)	30 (1 CF)	45
4	DEVH234	Meat Pathology and Inspection I	15 (1CF)	30 (1 CF)	45
5	DEVH235	Construction Technology I	15 (1CF)	30 (1 CF)	45
6	DEVH236	Ventilating and Lighting	30 (3CF)	0	30

7	DEVH237	Rural and Urban Planning	30 (3CF)	0	30
8	DEVH238	Disaster Management	30 (3CF)	0	30
SUB-TOTAL					315

YEAR 3 TRIMESTER I (SEMESTER 7)

NO.	UNIT CODE	UNIT NAME	WEIGHT		
			LH/CF	PH/CF	TOTAL CH
1	DEVH311	Health Research Methodology	30 (3CF)	0	30
2	DEVH312	Meat Pathology and Inspection II	15 (1CF)	30 (1 CF)	45
3	DEVH313	Construction Technology II	15 (1CF)	30 (1 CF)	45
4	DEVH314	Property Inspection	15 (1CF)	30 (1 CF)	45
5	DEVH315	Food Hygiene and Preservation I	15 (1CF)	30 (1 CF)	45
6	DEVH316	Public Health Legislation	15 (1CF)	30 (1 CF)	45
7	DEVH317	Milk and Milk Products	15 (1CF)	30 (1 CF)	45
8	DEVH318	Food of Plant Origin and Beverages	15 (1CF)	30 (1 CF)	45
SUB-TOTAL					345

YEAR 3 TRIMESTER II (SEMESTER 8)

NO.	UNIT CODE	UNIT NAME	WEIGHT		
			LH/CF	PH/CF	TOTAL CH
1	DEVH321	Meat Pathology and Inspection III	15 (1CF)	30 (1 CF)	45

2	DEVH322	Food Hygiene and Preservation II	15 (1CF)	30 (1 CF)	45
3	DEVH323	Fish and Fish Products	15 (1CF)	30 (1 CF)	45
4	DEVH324	Hygiene of Food Premises	15 (1CF)	30 (1 CF)	45
5	DEVH325	Food Legislation	30 (3CF)	0	30
6	DEVH326	Management and Professional Ethics	30 (3CF)	0	30
7	DEVH327	Port Health	30 (3CF)	0	30
SUB-TOTAL					300

YEAR 3 TRIMESTER III (SEMESTER 9)

NO.	UNIT CODE	UNIT NAME	WEIGHT		
			LH/CF	PH/CF	TOTAL CH
1	DEVH328	Health Research Project	0	20 (10 CF)	300
2	DEVH329	Field Attachment/Practicum	0	20 (10 CF)	300
SUB-TOTAL					600
TOTAL CONTACT HOURS REQUIRED TO GRADUATE					3,105

Diploma in Human Nutrition and Dietetics

The emerging nutrition and health problems pose a need to offer specialized training in the area of nutrition and health in order to offer appropriate advice and services. Currently, Sub-Saharan Africa needs more trained expertise in this area to serve the diversified public health and nutritional needs and, therefore, the need for this programme. Through teaching, research and service the department will train manpower that has the capacity to deal with emerging nutrition and health demands and hence bridge the existing programmes militating against optimal nutrition and health.

Minimum Admission Requirements

KCSE C- (Minus) with D+ in the mandatory subjects: English/Kiswahili, Biology and Chemistry.

Expected Learning Outcomes

Graduation Requirements

In order to graduate with a Diploma in Human Nutrition and Dietetics, the candidate must have done and passed 42 core units including practicum. First Level 14 units, Second Level 14 units and Third Level 14 units. The student should study a minimum of 2970 hours. A theory unit will consist of 15 weeks, 3 hours per week, 45 hours in total per semester. A practical unit will be 5 hours a week, 72 hours in total per semester.

Program Structure

Year I		
Trimester I		
Course Code	Course title	Hours
COMP 100	Introduction to Computer Applications	72
DFND 111	Basic Mathematics	72
COMS 100	Communication Skills	45
DFND 112	General Microbiology and Parasitology	45
DFND 113	Introduction to Food, Nutrition and Dietetics	45
DFND 114	Physical Sciences	72
DFND 115	Principles of Human Nutrition	45
	Totals	396
Year I Trimester II		
Course Code	Course title	Hours
BIBL 120	New Testament Survey	45
DFND 121	First Aid	72
DFND 122	Introduction to Nutrition and Behavioral Sciences	45
DFND 123	Human Anatomy and Physiology	72
DFND 127	Introduction to Nutrition Epidemiology	45

DFND 126	Principles of Primary Health Care	72
DFND 125	Life Skills	72
	Totals	423
Trimester III		
Course Code	Course title	Hours
DFND 124	Food microbiology and Parasitology	45
BIBL 210	Redemption story	45
DFND 214	Nutrition in the Lifespan	45
DFND 216	Introduction to Nutritional Anthropology	45
DFND 217	Food Security	72
DFND 215	Communicable and Non-communicable Diseases	45
DFND 218	Principles of Nutrition and Behaviour	45
	Totals	342
Year II		
Trimester I		
Course Code	Course title	Hours
DFND 211	Nutrition Assessment and Surveillance	72
DFND 221	Introduction to Maternal and Child Nutrition	45
BIBL 223	Christian Ethics	45
DFND 225	Diet Therapy I	45
DFND 228	Principles of Food Processing Preservation And Storage	72
DFND 227	Basic Biochemistry	72
DFND 226	Introduction to Nutrition in Emergencies	45
	Totals	396
Trimester II		
Course Code	Course title	Hours
DFND 224	Introduction to Basic Biostatistics	45
DFND 222	Nutrition and HIV/AIDS	45
DFND 312	Food Hygiene and Safety	45
DFND 314	Nutrition Education and Counseling	72
DFND 316	Nutrition Intervention	45
DFND 323	Nutrition Information Systems	45
DFND 326	Legal Aspects in Food, Nutrition and Dietetics	45
	Totals	342 Hours
Year II Trimester III		
DFND 311	Diet Therapy II	45
DFND 313	Meal Management and Service	72
DFND 321	Diet Therapy III	45
DFND 323	Community Partnership, Programme Planning and Evaluation	45
DFND 325	Entrepreneurship in Foods, Nutrition and Dietetics	45
DFND 326	Introduction to Research Methodology	45
DFND 327	Principles of Dietetics	45
	Totals	342
Year III Trimester I		
DFND 328	Practicum	768 hours
TOTALS		3031 hours

SCHOOL OF MUSIC AND MEDIA

Doctor of Philosophy in Music

Programme Goal

The goal of the PhD in Music is to offer rigorous training geared towards enabling students acquire practical skills and knowledge in various aspects of music both as a field of study and profession. This programme aims at providing skills in the area of research methods and techniques, music theory and composition, music performance, music education, production technology, Ethnomusicology, music therapy.

Job Placements for the PhD in Music

Graduates from this programme are expected to work as music lecturers, curriculum developers, music policy makers, researchers, school administrators and managers, music producers, performing artists and mentors, music producers and composers, music therapists, ethnomusicologists. We also expect graduates of PhD in Music to favourably compete for job opportunities across the globe, as employees of national and international organisations and institutions.

Expected Learning Outcomes of the PhD in Music

Broad areas of skills and knowledge base

The programme is expected to impact the following broad areas of skills and knowledge base:

a) Professional and ethical behaviour

Kabarak University intends to train music educators, curriculum developers, music policy makers, researchers, school administrators and managers, music producers, performing artists and mentors within the context of Biblical perspective capable of providing quality services in the education and performing arts sectors.

b) Leadership and Management Skills

The PhD in Music graduate should be able to play a leading role education and music policy matters. The graduates are expected to participate in leadership capacity development, community engagement and decision making at all levels in the communities in Kenya.

c) Research and Problem Solving

The PhD in Music graduate is expected to develop critical thinking and problem solving skills through their studies at Kabarak University. Every stage of the programme will

give the students an opportunity to identify and define problems through Music Education and to provide solutions.

d) Management of Music Education Information Systems

The PhD in Music graduate shall be exposed to a wide spectrum of training and information and which shall be regarded as critical to policy formulation, planning and implementation of music activities and programmes.

e) Communication and Collaboration

The PhD in Music graduate programme prepares individuals to teach, arrange, compose, critique, analyse, manage and conduct research in the music industry. They will learn with others through group assignments and projects, presentations, seminars, colloquiums and conferences. This is in keeping with the workplace expectations that individuals become more productive through team operations, and the participatory nature and principles of the music industry.

Specific learning outcomes

- a) To provide an opportunity for students to acquire broad practical and theoretical skills in music arts education.
- b) To produce graduates with the ability to deal with emerging issues in musical arts education.
- c) To apply practical and cognitive skills, techniques and research tools in providing solutions to societal problems and emerging issues in music
- d) To effectively contribute to knowledge creation and dissemination in music
- e) To be socio-economically empowered to positively impact oneself and humanity at large

Minimum Admission Requirements

The common university regulations for PhD shall apply.

Additionally, the applicants should be in possession of one of the following provisions:

- a) Masters degree in music and the applicants must have a weighted average grade of B or better compared with Kabarak University's grading system or an equivalent qualification from any other institution recognized by Senate.
- b) A holder of Masters Degree from Kabarak University or from any other institution(s) recognized by the Kabarak University Senate in areas of specialization relevant to disciplines available in Kabarak University School of Music and Performing Arts.

Graduation requirement

To qualify for graduation:

- a) The student enrolled in the PhD in Music shall pass all courses and complete a total of 90 credits (with a pass mark of 50%) divided as follows:
- 5 core common units * 3CFS = 15 CFS
 - 5 core units of specialization* 3CFS= 15 CFS
 - Thesis = 60 CFS

TOTAL CFS = 90 CFS

- b) Ninety (90) credit factors and four hundred and fifty (450) lecture hours will be required for graduation. Each student will pass **five core** courses, **five specialization** courses and **thesis** to qualify for graduation, that is, the candidates shall be required to do and pass coursework, take and pass examinations, conduct research, must publish at least two journal articles in peer reviewed journals from their thesis work and submit a thesis at the end of their study programme to qualify for graduation.

Program Structure

Year One Semester One

Code	Course Title	L	P/T	CF
BIBL 811	Philosophical Foundations of Christian World View	45	0	3.0
DMUS 812	Musical Arts and Critical Theory	45	0	3.0
DMUS 813	Research Methods in Musical Arts	45	0	3.0
DMUS 814	Research Seminar in Musical Arts I	45	0	3.0
DMUS 815	Proposal Writing I	45	0	3.0
	TOTAL	225	0	15

(ii) Areas of specialization

9. Music Education

10. Music Composition

11. Ethnomusicology

12. Musicology

13. Church Music and Music Therapy

14. Music Production

Year One Semester Two

Music Education

Code	Course Title	L	P/T	CF
DMUS 820	Independent Study in Music Education	45	0	3.0
DMUS 826	Research Seminar in Musical Arts II	30	15	6.0
DMUS 827	Proposal Writing II	30	15	6.0
	TOTAL	105	30	15

Music Composition

Code	Course Title	L	P/T	CF
DMUS 821	Independent Study in Music Composition	45	0	3.0
DMUS 826	Research Seminar in Musical Arts II	30	15	6.0
DMUS 827	Proposal Writing II	30	15	6.0
	TOTAL	105	30	15

Ethnomusicology

Code	Course Title	L	P/T	CF
DMUS822	Independent Study in African music and Ethnomusicology	45	0	3.0
DMUS 826	Research Seminar in Musical Arts II	30	15	6.0
DMUS 827	Proposal Writing II	30	15	6.0
	TOTAL	105	30	15

Musicology

Code	Course Title	L	P/T	CF
DMUS 823	Independent Study in Musicology	45	0	3.0
DMUS 826	Research Seminar in Musical Arts II	30	15	6.0
DMUS 827	Proposal Writing II	30	15	6.0
	TOTAL	105	30	15

Church Music and Music Therapy

Code	Course Title	L	P/T	CF
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DMUS 824	Independent Study in Church Music and Music Therapy	45	0	3.0
DMUS 826	Research Seminar in Musical Arts II	30	15	6.0
DMUS 827	Proposal Writing II	30	15	6.0
	TOTAL	105	30	15

Music Production Technology

Code	Course Title	L	P/T	CF
DMUS 825	Independent Study in Music Technology	45	0	3.0
DMUS 826	Research Seminar in Musical Arts II	30	15	6.0
DMUS 827	Proposal Writing II	30	15	6.0
	TOTAL	105	30	15

Year II Semester I

Code	Course Title	L	P/T	CF
DMUS 910a	Thesis	45	0	3.0
DMUS 910a	Thesis	45	0	3.0
DMUS 910a	Thesis	45	0	3.0
DMUS 910a	Thesis	45	0	3.0
DMUS 910a	Thesis	45	0	3.0
	TOTAL	225	0	15

Year II Semester II

Code	Course Title	L	P/T	CF
DMUS 910b	Thesis	45	0	3.0
DMUS 910b	Thesis	45	0	3.0
DMUS 910b	Thesis	45	0	3.0
DMUS 910b	Thesis	45	0	3.0
DMUS 910b	Thesis	45	0	3.0
	TOTAL	225	0	15

Year III Semester I

Code	Course Title	L	P/T	CF
DMUS 910c	Thesis	45	0	3.0
DMUS 910c	Thesis	45	0	3.0
DMUS 910c	Thesis	45	0	3.0
DMUS 910c	Thesis	45	0	3.0
DMUS 910c	Thesis	45	0	3.0
	TOTAL	225	0	15

Year III Semester I

Code	Course Title	L	P/T	CF
DMUS 910d	Thesis	45	0	3.0
DMUS 910d	Thesis	45	0	3.0
DMUS 910d	Thesis	45	0	3.0
DMUS 910d	Thesis	45	0	3.0
DMUS 910d	Thesis	45	0	3.0
	TOTAL	225	0	15

Master of Music Education

The Master of Music Education Programme prepares music educators for teaching, leadership, managerial and planning roles in the music sector. The Programme incorporates both theory and practice with relevant technology. Graduates from this Programme are expected to work as music educators in secondary schools and tertiary institutions; be directors of music in institutions such as schools, departments of music and departments of culture, be performers of music in the industry. They are expected to conduct research in music education.

Admission Requirements

Bachelor of Music or Bachelor of Education (Arts) with Music as a Teaching Subject in Music, or Bachelor of Education Second Class Honors (Upper); OR Lower with 2 years of relevant work experience after graduation.

Expected Learning Outcomes

By the end of the Programme, music graduates are expected to:

1. Apply advanced knowledge and skills in music education and research.
2. Demonstrate acquired experiences and knowledge in music education and development projects.
3. Apply technological advancements and innovations in music education.
4. Demonstrate competencies in planning and developing Programmes, making policies and administrative structures that would make them engage and deal with the challenges and issues in music education;

Graduation Requirements

To qualify for graduation, students enrolled in the Master of Music Education programme shall pass all courses and complete a total of 57 credit factors divided as follows:

1. Master of Music Education Common Courses: 9 credit factors
2. Master of Music Education –Core Courses: 27 credit factors
3. Master of Music Education - Elective course: one Course: 6 credit factors
4. Master of Music Education - thesis work: 15 credit factors

Total credit factors required for graduation will be 57 with a pass mark of 50%.

Program Structure

First Year Semester One

COURSE CODE	COURSE TITLE	LH	PR	CF
MMUS 711	Biblical, Ethical and Legal Issues in Music	45	0	3
MMUS 712	Research and Statistical Methods in Music	45	0	3
MMUS 713	Applied Musicianship	0	90	3
MMED 711	Foundations of Music Education	45	0	3

MMED 714	History of Music Education in Kenya	45	0	3
MMED 715	Technology for Music Teaching and Learning	30	30	3

Semester Two

COURSE CODE	COURSE TITLE	LH	PR	CF
MMED 721	Perspectives in Music Teaching and Learning	45	0	3
MMED 723	Issues in Music Curriculum Development	45	0	3
MMED 724	Special Music Pedagogical Techniques	45	0	3
MMED 725	Psychology of Learning in Music	45	0	3
MMED 726	School Music Programme	45	0	3
MMCO 730	Compositional Techniques in African Music	30	30	3

Electives (Choose one)

COURSE CODE	COURSE TITLE	LH	PR	CF
MMED 727	Issues in Management of Music Education	45	0	3
MMCO 725	Composition and Application of Film and Theatre Music	30	30	3
MMCM 712	Principles of Communication in Music	45	0	3
MMEM 713	History of Music in Africa	45	0	3
MMED 728	Instrumental and Vocal pedagogy	15	60	3
MMED 722	Orchestral and Choral Organization and Training	15	60	3

Second Year

COURSE CODE	COURSE TITLE	LH	PR	CF
MMUS 714	Thesis			15

Master of Music Composition

The goal of the Master of Music Composition course is to impart practical skills and knowledge in various aspects of composition such as harmony, counterpoint, rhythm manipulation, melody writing, and performance composition, production of composed works and economics of music. It aims at providing skills in the area of research, pedagogical and performance techniques, thereby producing music composers and composition scholars and educators. Graduates from this program are expected to work as composers, teachers, administrators, and researchers in high schools, tertiary institutions, universities, government ministries, cultural officers, Presidential Music Commission, archiving departments, churches, music recording studios, Music Copyright bodies, Music Festival Foundations and in the private sector. We also expect them to be employed by international organisations such as UNESCO and NGOs.

Expected Learning Outcomes

By the end of the program, learners should be able to:

17. Compose original works of music in different forms and styles for a variety of media for private and public consumption;
18. Compose vocal and instrumental music for various functions;
19. Harmonise melodies of different kinds using concepts in modern harmony and techniques of African Music composition;
20. Orchestrate African music and music for African music instrumental ensembles;
21. Conduct research in music composition;
22. Teach composition in various institutions;
23. Demonstrate ethical and professional behaviour in the workplace.

Admission Requirements

Bachelor of Music Second Class (upper); OR Second Class Lower with two years of relevant research, professional or teaching experience; OR Bachelor of Education (Arts) Second Class (upper) with Music as a teaching subject and a minimum of Grade C in composition courses; OR

Bachelor of Arts (Music minor) Second Class (upper) and a minimum of grade C in composition Courses, with evidence of a minimum of two years relevant experience and a portfolio of compositions.

Graduation Requirements

To qualify for graduation, students enrolled in the Master of Music Composition program shall pass all courses and complete a total of 57 credit factors divided as follows:

- e) Master of Music Common Courses: 9 credit factors
- f) Master of Music Composition –Core Courses: 30 credit factors

- g) Master of Music Composition - Elective course: one Course: 3 credit factors
 h) Master of Music Composition portfolio: 15 credit factors

Total credit factors required for graduation will be 57 with a pass mark of 50%.

Program Structure

First Year First Semester

Course Code	Course Title	LH	PR	CF
MMUS 711	Biblical, Ethical and Legal Issues in Music	45	0	3
MMUS 712	Research and Statistical Methods in Music	45	0	3
MMUS 713	Applied Musicianship	15	60	3
MMCO 711	Modern Harmony	30	30	3
MMCO 712	Trends in Music Form and Analysis	30	30	3
MMCO 713	Compositional Techniques in Western Vocal Music (14 th -19 th century)	30	30	3

Second Semester

Course Code	Course Title	LH	PR	CF
MMCO 720	Compositional Techniques in Western Instrumental Music (14 th -19 th century)	30	30	3
MMCO 721	Compositional Concepts and Techniques in 20 th century Music	30	30	3
MMCO722	Techniques in Arrangement of African and African American Spirituals	30	30	3
MMCO 726	Composition of polyphonic Music	30	30	3
MMCO 727	Composition of Modern African Gospel Music	30	30	3
MMCO 730	Compositional Techniques in African Music	30	30	3

Electives (Choose One)

Course Code	Course Title	LH	PR	CF
MMCO 728	Techniques in Electronic and Computer Music	30	30	3
MMCO 729	Orchestration for Voice and African instruments	30	30	3
MMCO 723	Composition and Performance of Jazz Music	30	30	3
MMCO 724	Composition and Performance of Patriotic and Political Music	30	30	3
MMCO 725	Composition and Application of Film and Theatre Music	30	30	3

Second Year

Course	Course Title	CF
EITHER MMUS 714	Master Thesis	

OR MMUS 715	Composition Portfolio	15
OR MMUS 716	<u>Creative Dissertation</u>	

Master of Musicology

The goal of the Master of Musicology programme is to impart practical skills and knowledge in music for research and documentation, analysis, critiquing, and administration. We expect graduates from this programme to work as music analysts, planners, directors, trainers, administrators, and researchers in academic and research institutions, government ministries and departments, religious and non-governmental institutions, music recording studios, Music Copyright bodies, Music Festival Foundations and in the private sector. We also expect them to be employed by international organisations such as UNESCO and NGOs, in capacities that are informed by grounding in cultural arts.

Admission Requirements

Bachelor of Music Second Class (upper); OR (lower division) and two years relevant work experience; OR Bachelor of Education (Arts) Second (upper) with Music as a teaching subject and a minimum of Grade C in musicology courses; OR Bachelor of Arts degrees in Music (Performance and composition) second class (upper) and a minimum of Grade C in musicology courses.

Expected Learning Outcomes

By the end of the programme, the learner should be able to:

1. Explain Musicology and its related disciplines and design a bibliography of Musicology and Ethnomusicology
2. Trace the Historical Developments in the Music of Africa;
3. Discuss trends in Music Notation and articulate principles for developing types of notation;
4. Apply theories and methods in Ethnomusicology and Musicology for research and documentation of music;
5. Identify and explain characteristics of selected Music Cultures of the world, key issues in sociology of music, urban musicology and popular music in Kenya;
6. Explain the role of music in film and theatre and the influence of Psychology in the understanding of music and music making;
7. Demonstrate ethical and professional behaviour in the workplace

Graduation Requirements

To qualify for graduation, students enrolled in the Master of Musicology programme shall pass all courses and complete a total of 57 credit factors divided as follows:

Master of music Common Courses:	9 credit factors
Master of Musicology –Core Courses:	30 credit factors
Master of Musicology - Elective course:	one Course: 3 credit factors
Master of Musicology - thesis work:	15 credit factors

Total credit factors required for graduation will be 57 with a pass mark of 50%.

Program Structure

First Year Semester 1

Course code	Course Title	LH	PR	CF
MMUS 711	Biblical, Ethical and Legal Issues in Music	45	0	3
MMUS 712	Research and Statistical Methods in Music	45	0	3
MMUS 713	Applied Musicianship	15	60	3
MMEM 711	Introduction to Ethnomusicology and Musicology	45	0	3
MMEM 712	Historical Developments in the Music of Africa	45	0	3
MMEM 713	Trends in Music Notation	30	30	3
MMCO 730	Compositional Techniques in African Music	30	30	3

Second Semester

Course code	Course Title	LH	PR	CF
MMEM 721	Theories and Methods in Ethnomusicology and Musicology	45	0	3
MMEM 722	Music Cultures of the world	45	0	3
MMEM 723	Urban Musicology and Popular Music in Kenya	30	30	3
MMEM 724	Music in Film and Theatre	30	30	3
MMEM 725	Seminars in Musicology and Ethnomusicology	45	0	3
MMEM 726	Performance Practice of African Traditional Music	30	30	3

Electives

Course code	Course Title	LH	PR	CF
MMEM 727	Sociology of the music of Africa	45	0	3
MMEM 728	Psychology of Music	45	0	3

Second Year 1st and 2nd Semesters

Course code	Course Title	LH	PR	CF
MMUS 714	Thesis			

Bachelor of Mass Communication

The general purpose of the program is to train and equip journalists, editors, reporters, news anchors, communications relation managers, communication managers, research consultants, information officers, social media workers, bloggers, content developers, community liaison officers, county communication directors, public relations officers and lectures in post-secondary institutions with knowledge, skills and relevant attitude necessary for productive work in their various fields.

Admission Requirements

KCSE C+ (plus) with C+ in English/Kiswahili in KCSE exams; OR Diploma with Credit Pass in Journalism and Mass Communication or Public Relations.

Expected Learning Outcomes

By the end of the program, a graduate of Bachelor of Mass Communication is expected to:

1. Gather, analyze and disseminate information from various fields to the masses.
2. Edit news, pictures and programmes for the masses
3. Report various happenings and events all over the world to the masses
4. Present news to the masses
5. Perform communication relation management tasks
6. Conduct research in various fields
7. Provide services as information officers
8. blog, edit and develop content in the social media
9. Provide information liaison services to the community
10. Direct communication processes and activities in the counties
11. Provide public relation services to various institutions
12. Teach various courses in mass communication in post secondary institutions

Graduation Requirements

To qualify for graduation, students enrolled in the Bachelor of Mass Communication programme shall complete a minimum of 183 credit factors divided as follows:

1. University Common Courses: **6** courses x 3 CF's = **18** credit factors.

2. Core Courses in Mass Communication: 55 courses x 3 CF's = **165** credit factors

Program Structure

COURSE CODE	TITLE	LH	PR	TH	CF
FIRST SEMESTER					
MACO 111:	Fundamentals of Mass Communication	45	0	45	3
MACO 112:	Basics of Creative Writing	30	30	45	3
MACO 114:	Presentation Skills in Communication	30	30	45	3
COMS 110:	Communication Skills I	30	30	45	3
MATH 100:	General Mathematics	30	30	45	3
BIBL 110:	Old Testament survey	30	30	45	3
MACO 115:	Media History and Issues in Kenya	30	30	45	3
BMPT 110:	Computer Literacy for Musicians	30	30	45	3
SECOND SEMESTER					
MACO 120:	Cross-cultural Communication	30	30	45	3
MACO 121:	Music theory and Musicianship for Journalists	30	30	45	3
MACO 123:	Introduction to Philosophy and Sociology for Journalists	30	30	45	3
ACO 124:	Online Journalism	30	30	45	3
MACO 125:	Journalism and Society	30	30	45	3
COMS 120:	Communication Skills II	30	30	45	3
BIBL 120:	New Testament Survey	30	30	45	3
BMUS 109:	Fundamentals Music theory and Musicianship	30	30	45	3
SECOND YEAR					
FIRST SEMESTER					
MACO 210:	Introduction to Public Relations and Advertising	30	30	45	3
MACO 211:	Print Media Practice	30	30	45	3
MACO 212:	Introduction to Radio/Television Performance	30	30	45	3
MACO 213:	News Writing and Reporting	30	30	45	3
MACO 214:	News Photography	30	30	45	3

MACO 215:	Media Theory	30	30	45	3
BMUS 112:	Performance I (Instrument IA & IIA)	15	60	45	3
BIBL 210:	Redemption Story	30	30	45	3

SECOND SEMESTER

MACO 220:	Introduction to Visual Communication	30	30	45	3
MACO 221:	Logic and Rational Thought in Journalism	30	30	45	3
MACO 222:	Theory and Practice of Translation	30	30	45	3
MACO 223:	Desktop Publishing	30	30	45	3
ENGL 111:	Introduction to English Phonology and Phonetics	30	30	45	3
KISW 211:	Kiswahili Phonology and Phonetics	30	30	45	3
BIBL 222:	Christian Ethics	30	30	45	3
BMUS 110:	Music Theory and Musicianship I	30	30	45	3

THIRD YEAR

FIRST SEMESTER

MACO 310:	Writing for Kiswahili Audience	30	30	45	3
MACO 311:	Public Speaking	30	30	45	3
MACO 312:	Professional Editing for Journalists	30	30	45	3
MACO 313:	Book Publishing	30	30	45	3
MACO 315:	Research Methods for journalists	30	30	45	3
MACO 316:	Investigative Journalism	30	30	45	3
MACO 317:	Conflict Resolution and Mediation for Journalists	30	30	45	3
BMUS 122:	Performance IB & II B	15	60	45	3

SECOND SEMESTER

MACO 320:	Media Law and Ethics	30	30	45	3
MACO 321:	Advertising Copywriting	30	30	45	3
MACO 322:	Research Project	30	30	45	3
BMCO 220:	Song Writing Techniques	30	30	45	3
KISW 321:	Kiswahili Morphology and Syntax	30	30	45	3
ENGL 210	Basics of English Morphology and Syntax	30	30	45	3

ENGL 420:	Semantics and Pragmatics	30	30	45	3
MACO 323:	Professional Field Internship	30	180	45	6

FOURTH YEAR

Students to take courses in two of the following areas i.e. Public Relations and Advertising or Broadcasting and Print Media

PUBLIC RELATIONS AND ADVERTISING

FIRST SEMESTER

MACO 410:	Theory and Practice in psychology of P.R.	30	30	45	3
MACO 411:	Electronic Publishing	30	30	45	3
MACO 412:	Gender and the Mass Media	30	30	45	3
MACO 413	Ethics of Public Relation	30	30	45	3
BMAM 123:	Musics and Dances of Kenya	30	30	45	3
MACO 414:	Print Advertising	30	30	45	3
MACO 415:	Electronic Advertising	30	30	45	3

SECOND SEMESTER

MACO 420:	Principles of Public Relations	30	30	45	3
MACO 421:	Media Relations	30	30	45	3
MACO 422:	Public Relations Campaigns and Strategies	30	30	45	3
MACO 430:	Introduction to Digital Animation	30	30	45	3
MACO 423:	Corporate Communication	30	30	45	3
MACO 425:	Digital Animation	30	30	45	3
BMAM 423:	Contemporary Art Music and Dances of Africa	30	30	45	3
BMPT 321:	Sound Reinforcement Techniques	30	30	45	3

BROADCASTING AND PRINT MEDIA

FIRST SEMESTER

MACO 416:	News Writing for Electronic Media	30	30	45	3
MACO 417:	Radio Production	30	30	45	3
MACO 418:	Television Production	30	30	45	3
BMAM 123:	Musics and Dances of Kenya	30	30	45	3

MACO 419:	Photojournalism	30	30	45	3
MACO 420:	Opinion Writing	30	30	45	3
MACO 421:	Feature Writing	30	30	45	3
MACO 411:	Internet and Electronic Publishing	30	30	45	3

SECOND SEMESTER

MACO 426:	Electronic Media Management	30	30	45	3
MACO 427:	Documentary Production	30	30	45	3
MACO 428	Contemporary Magazine Publishing	30	30	45	3
MACO 429:	Specialized Writing	30	30	45	3
MACO 430:	Digital Animation	30	30	45	3
BMAM 423:	Contemporary Art Music and Dances of Africa	30	30	45	3

Bachelor of Music Production Technology

The general purpose of the program is to train and equip recording technicians, recording engineers, sound technicians in live or studio positions, or audio editors, audio designers in various music-related fields in Music Production Technology so as to work competently in the music production industry and to pursue further studies in Music Production Technology.

Minimum Admission Requirements

KCSE C+ (plus) with C+ in Music and C (Plain) in CRE; OR Diploma in Music from a recognized institution.

Expected Learning Outcomes

By the end of the program, a graduate is expected to:

- 1 Record music in the studios
- 2 Handle audio hardware
- 3 Utilize various production and technology software
- 4 Conduct digital audio production
- 5 Edit recorded music
- 6 Mix and Master recorded music
- 7 Compose various works of music
- 8 Apply and use various music notation software programs to write music
- 9 Manage various music recording studios

Graduation Requirements

To qualify for graduation, students enrolled in the BMUS (Music Production Technology) programme shall complete a minimum of 159 credit factors divided as follows:

- a) University Common Courses: 6 courses x 3 Cf's =18 credit factors
- b) Core Courses in Music: 47 courses x 3 Cf's = 141credit factors

Program Structure

COURSE CODE	TITLE	LH	PR	TH	CF
Year 1 Semester 1: Core					
BMUS 110	Music Theory and Musicianship I	30	30	45	3
BMPT 110	Computer Literacy for Musicians	30	30	45	3
BMUS 112	Performance I (Instrument IA & IIA)	15	60	45	3
BIBL 110	Old Testament Survey	45	0	45	3

COMS 110	Communication Skills I	45	0	45	3
MATH 100	General Mathematics	45	0	45	3

Semester 2: Core

BMUS 120	Music Theory and Musicianship II	30	30	45	3
BMUS 122	Performance (Instrument IB &II B)	15	60	45	3
BMUS 121	Conducting I	15	60	45	3
BIBL 120	New Testament Survey	45	0	45	3
COMS 120	Communication Skills II	45	0	45	3
BMPT 121	Introduction to Music Notation Systems	30	30	45	3
BMPT 122	Introduction to Music Production & technology	30	30	45	3
BMPT 123	The Physics of Music	45	0	45	3

Year 2 Semester 1: Core

BMUS 210	Music Theory and Musicianship III	30	30	45	3
BMPT 210	Application of Music Notation Software I (Noteworthy)	30	30	45	3
BMUS 212	Performance (Instrument I C and II C)	15	60	45	3
BMAM 213	Music and Dances of other East African Countries	30	30	45	3
BMUS 214	Music Analysis I	30	30	45	3
BMAM 215	African Dance Practice I	30	30	45	3
BIBL 210:	Redemption Story	45	0	45	3
BMPT 211	Basic Electronics	45	0	45	3
BMPT 212	Fundamentals of Acoustics	45	0	45	3

Semester 2: Core

BMUS 221	Performance (Instrument ID and II D)	15	60	45	3
BMPT 220	Application of Music Notation Software II (Sibelius)	30	30	45	3
BMUS 223	Music Analysis II	30	30	45	3
BMAM 224	African Dance Practise II	30	30	45	3
BMCO 220	Song Writing Techniques I	30	30	45	3
BIBL 222	Christian Ethics	45	0	45	3

BMPT 221	Audio Technology 1	30	30	45	3
BMPT 222	Audio Analysis	30	30	45	3

Year 3 Semester 1: Core

BMUS 311	Practical Performance (Instrument IE & IIE)	15	60	45	3
BMPT 310	Music Notation Software Application III (Finale)	30	30	45	3
BMCO 310	Compositional Studies I	30	30	45	3
BMCM 312	Hymnology	30	30	45	3
BMUS 316	Conducting II	15	60	45	3
BMPT 311	Mix Techniques 1	30	30	45	3
BMPT 312	Audio Technology 2	30	30	45	3

Semester 2 : Core

BMUS 321	Practical Performance (Ensemble Playing I)	15	60	45	3
BMPT 321	Sound Reinforcement Techniques	30	30	45	3
BMCM 321	Practices in Praise & Worship Music	30	30	45	3
BMUS 325	Introduction to Music Research	45	0	45	3
BMUP 320	Choral conducting	30	30	45	3
BMPT 320	Mix Techniques 2	30	30	45	3
BMPT 322	Media Law and Ethics	45	0	45	3
BMUS 326	Practicum	0	180	90	6

Year 4 Semester 1: Core

BMUS 411	Practical Performance (Ensemble Playing II)	15	60	45	3
BMPT 410	Music Notation Software Application V (Forte)	30	30	45	3
BMCM 411	Analysis of Modern Popular Gospel Music	30	30	45	3
BMUS 416	Research Project: 6CFs	0	180	90	6
BMUS422	Management of Music Entrepreneurship	45	0	45	3
BMPT 412	Microphone Theory and Application	30	30	45	3
BMPT 413	Mix Techniques 3	30	30	45	3
BMPT 414	Music Therapy I	45	0	45	3

Semester 2: Core

BMUS 420	Recital: 3CFs	0	90	45	3
BMUS 421	Music and Other Creative and Performing Arts	45	0	45	3
BMAM 423	Contemporary Art Music and Dances of Africa	30	30	45	3
BMCO 425	Arrangement of African Music	30	30	45	3
BMPT 420	Music Production for Visual Media	30	30	45	3
BMPT 421	Radio Production	30	30	45	3
BMPT 422	Television Production	30	30	45	3
BMPT 423	Documentary Production	30	30	45	3

Bachelor of Music Theory and Composition

The general purpose of the program is to train and equip music composers with knowledge and skills in theory and composition of music so as to compose intelligible works in the music industry and/or pursue further studies in theory and composition. The program prepares composers for a variety of composition, teaching, research, conducting and leadership roles in the music sector. The program incorporates both theory and practice. The course of study is based on the understanding that methods of composition of music are dynamic and are subject to human creativity.

Minimum Admission Requirements

KCSE C+ (plus) with C+ in Music; OR Grade VI theory and Grade V practicals in any instrument or voice earned from professional music examination bodies such as Association Board of Royal Schools of Music (ABRSM), TRINITY, University of South Africa (UNISA)

Expected Learning Outcomes

By the end of the program, a graduate is expected to:

1. Compose various works in Music based on Biblical teachings and doctrines
2. Compose African and Western church music
3. Compose African and Western popular music
4. Compose African and Western incidental music
5. Compose African and Western patriotic and political music
6. Analyze selected works in medieval, renaissance, baroque, classical, romantic and twentieth century periods
7. Apply and use various music notation software programs to compose music
8. Orchestrate their musical works (African or Western) for small and large orchestras

Graduation Requirements

To qualify for graduation, students enrolled in the BMUS (Music Production Technology) programme shall complete a minimum of 159 credit factors divided as follows:

1. University Common Courses: 6 courses x 3 Cf's = 18 credit factors
2. Core Courses in Music: 47 courses x 3 Cf's = 141 credit factors

Program Structure

<u>COURSE CODE</u>	<u>TITLE</u>	<u>LH</u>	<u>PR</u>	<u>TH</u>	<u>CF</u>
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Year 1 Semester 1: (All Cores)

BMUS 110	Music Theory and Musicianship I	30	30	45	3
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BMPT 110	Computer Literacy for Musicians	30	30	45	3
BMUS 112	Performance I (Instrument IA & IIA)	15	60	45	3
BMUS 113	introduction to Church Music	30	30	45	3
BIBL 110	Old Testament Survey	45	0	45	3
COMS 110	Communication Skills I	45	0	45	3
MATH 100	General Mathematics	45	0	45	3

Semester 2: (All Core)

BMUS 120	Music Theory and Musicianship II	30	30	45	3
BMUS 122	Performance (Instrument IB & II B)	15	60	45	3
BMAM 123	Music and dances of Kenya	30	30	45	3
BIBL 120	New Testament Survey	45	0	45	3
COMS 120	Communication Skills II	45	0	45	3
BMUS 121	Conducting I	15	60	45	3
BMPT 121	Introduction to Music Notation Systems	30	30	45	3

Year 2

Semester 1: (All Core)

BMUS 210	Music Theory and Musicianship III	30	30	45	3
BMPT 210	Application of Music Notation Software I	30	30	45	3
BMUS 212	Performance (Instrument I C and II C)	15	60	45	3
BMAM 213	Music and Dances of other East African Countries	30	30	45	3
BMUS 214	Music Analysis I	30	30	45	3
BMAM 215	African Dance Practice I	30	30	45	3
BIBL 210:	Redemption Story	45	0	45	3

Semester 2: (All Core)

BMUS 220	Music Theory and Musicianship IV	30	30	45	3
BMUS 221	Performance (Instrument ID and II D)	15	60	45	3
BMPT 220	Application of Music Notation Software II (Sibellius)	30	30	45	3
BMUS 223	Music Analysis II	30	30	45	3

BMAM 224	African Dance Practise II	30	30	45	3
BMCO 220	Song Writing Techniques	30	30	45	3
BIBL 222	Christian Ethics	45	0	45	3

Year 3

Semester 1 : Core

BMUS 311	Practical Performance (Instrument IE & IIE)	15	60	45	3
BMPT 310	Music Notation Software Application III (Finale)	30	30	45	3
BMCO 310	Compositional Studies I	30	30	45	3
BMCO 311	Orchestration I	30	30	45	3
BMCO 312	History & Analysis (Medieval & Renaissance Music)	30	30	45	3
BMUS 316	Conducting II	15	60	45	3

Semester 2 : Core

BMUS 321	Practical Performance (Ensemble Playing I)	15	60	45	3
BMPT 320	Music Notation Software Application IV (Forte)	30	30	45	3
BMCO 320	Compositional Studies II	30	30	45	3
BMCO 321	Orchestration II	30	30	45	3
BMCO 322	History & Analysis (Baroque & Classical)	30	30	45	3
BMUS 325	Introduction to Music Research	45	0	45	3
BMUS 326	Practicum	0	180	90	6

Year 4

Semester 1 : Core

BMUS 411	Practical Performance (Ensemble Playing II)	15	60	45	3
BMCO 410	Composition III	30	30	45	3
BMPT 410	Music Notation Software Application V	30	30	45	3
BMCO 411	Orchestration III	30	30	45	3
BMCO 412	History & Analysis (Music of the Romantic period)	30	30	45	3
BMCO 413	Introduction to Music Therapy	30	30	45	3
BMUS 416	Research Project: 6CFs	0	180	90	6

Semester 2 : Core

BMAM 423	Contemporary Art Music and Dances of Africa	30	30	45	3
BMUS 421	Music and Other Creative and Performing Arts	45	0	45	3
BMUS 420	Recital: 3CFs	0	90	45	3
BMCO 420	History & Analysis (Music of the Twentieth century)	30	30	45	3
BMCO 425	Arrangement of African Music	30	30	45	3
BMUS422	Management of Music Entrepreneurship	45	0	45	3
BMCO 426	Composition for Music Therapy	30	30	45	3

Diploma in Mass Communication

Goal of the Programme

The general purpose of the program is to train and equip journalists, editors, reporters, news anchors, communications relation managers, communication managers, research consultants, information officers, social media workers, bloggers, content developers, community liaison officers, county communication directors, public relations officers and lectures in post-secondary institutions with knowledge, skills and relevant attitude necessary for productive work in their various fields.

Minimum university entry requirements

- a) Minimum of C mean grade and specific qualification for each Diploma programme
- b) One Principal Pass at 'A' level obtained at one sitting OR two Principal Passes obtained at different sittings.

Expected Learning Outcomes of the Programme

By the end of the program, a graduate of Diploma in Mass Communication is expected to:

13. Gather, analyze and disseminate information from various fields to the masses.
14. Edit news, pictures and programmes for the masses
15. Report various happenings and events all over the world to the masses
16. Present news to the masses
17. Perform communication relation management tasks
18. Conduct research in various fields
19. Provide services as information officers
20. blog, edit and develop content in the social media
21. Provide information liaison services to the community
22. Direct communication processes and activities in the counties
23. Provide public relation services to various institutions
24. Teach various courses in mass communication in post-secondary institutions

Graduates from this program are expected to work as journalists, editors, reporters, news anchors, communications relation managers, communication managers, research consultants, information officers, social media workers, bloggers, content developers, community liaison officers, county communication directors, public relations officers and lectures in post-secondary institutions.

Graduation Requirements

To qualify for graduation, students enrolled in the Diploma of Mass Communications Programme shall complete a minimum of **84** credit factors divided as follows:

- a)** University Common Courses: 4 courses x 3 Cfs = **12** credit factors
- b)** Core Courses in Mass Communication: 33 courses x 3.0 Cfs = **66** credit factors
- c)** Field attachment for PR or Media: 1 x 6 CFS = **6** Credit factors

Program Structure

COURSE CODE	TITLE	LH	PR	TH	CF
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GENERAL COURSES FOR MASS COMMUNICATION**FIRST YEAR, SEMESTER 1**

DMCO 111: 3.0	Fundamentals of Mass Communication		30	30	45
DMCO 112: 3.0	Presentation Skills in Communication		30	30	45
DMCO 113:	Basics of Public Relations and Advertising	30	30	45	3.0
DMCO 114: 3.0	Introduction to Visual Communication		30	30	45
DMCO 115:	News Writing, editing & Reporting	30	30	45	3.0
COMS 110: 3.0	Communication Skills I		30	30	45
COMP 100:	Introduction to Computers	30	30	45	3.0

FIRST YEAR, SEMESTER 2

DMCO 120: 3.0	Cross-cultural Communication		30	30	45
DMCO 121: 3.0	Uandishi Wa Habari Na Kuripoti		30	30	45
DMCO 122:	Principles and Practice of Photojournalism	30	30	45	3.0
DMCO 123: 3.0	Basic Communication Research		30	30	45
DMCO 124: 3.0	Online Journalism		30	30	45
BIBL 110: 3.0	Old Testament survey		30	30	45
MATH 100:	General Mathematics	30	30	45	3.0

SECOND YEAR [SPECIALISATIONS]

Students to take courses in two of the following areas i.e. Public Relations or Broadcasting and Print Media

SECOND YEAR, SEMESTER 1**COMMON**

DMCO 210:	Ethics in Public Relation and media	30	30	45	3.0
DMCO 211: 3.0	Audience Analysis for media and PR		30	30	45
DMCO 212: 3.0	Uhariri Na Uandishi wa Kuchapishwa		30	30	45

PR

DPCO 213:	Psychology of PR and Advertising	30	30	45	3.0
DPCO 214: 3.0	Print media Advertising and Promotion		30	30	45
DPCO 215:	Principles of Public Relations	30	30	45	3.0

MEDIA

DBCO 216:	Radio Production		30	30	45
3.0					
DBCO 217:	Television Production	30	30	45	3.0
DBCO 218:	Media Management		30	30	45
3.0					

SECOND YEAR, SEMESTER 2

COMMON

DMCO 220:	Editing for Electronic Media	30	30	45	3.0
DMCO 221:	Commercial Writing (Media & PR)	30	30	45	3.0
DMCO 222:	Corporate Communication	30	30	45	3.0

PR

DPCO 223:	PR and Diplomacy		30	30	45
3.0					
DPCO 224:	Brand Management		30	30	45
3.0					
DPCO 225:	Media Relations		30	30	45
3.0					

MEDIA

DBCO 226:	Sports journalism		30	30	45
3.0					
DBCO 227:	Political and Parliamentary Reporting		30	30	45
3.0					
DBCO 228:	Feature Writing		30	30	45
3.0					

THIRD YEAR, SEMESTER 1

DMCO 230:	Industrial Attachment (PR & Media)	60	60	90	6.0
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Diploma in Music

The general purpose of the program is to train and equip music artists with knowledge and skills in diverse areas of music so that they can competently work in the music industry and pursue further studies in their areas of interest.

Minimum Admission Requirements

KCSE C- (minus) with C in music; OR KCSE C- (minus) and Certificate of music from a recognized institution; OR Grade IV theory and Grade III practicals earned from professional bodies such as Association Board of Royal Schools of Music (ABRSM), TRINITY, University of South Africa (UNISA).

Expected Learning Outcomes

By the end of the program, a graduate of diploma in Music is expected to:

1. Compose various works in Music based on Biblical teachings and doctrines
2. Perform selected African and Western songs and dances
3. Explain and perform various aspects of church music
4. Explain various theoretical issues and concepts in Music
5. Apply various computer programs to write and perform selected music works
6. Explain the impact of acoustics and related issues on performance
7. Use various technologies to record and produce musical works
8. Notate various Musical works using specific music notation software
9. Conduct performance of various musical works
10. Play selected music instruments
11. Dance and choreograph various selected dance items in Africa
12. Use appropriate language based skills to compose songs and other musical works
13. Analyze selected works of music

Graduation Requirements

Program Structure

Year 1

COURSE CODE	TITLE	LH	PR	TH	CF
Semester 1: (All Core)					
DMUS 101	Music Theory and Musicianship I	30	30	45	3
DMPT 101	Computer Literacy for Musicians	30	30	45	3
DMUS 102	Performance I (Instrument IA & IIA)		15	60	45
	3				
DMUS 103	Introduction to Church Music	30	30	45	3
BIBL 110	Old Testament Survey		45	0	45
	3				
COMS 110	Communication Skills I	45	0	45	3
DMPT 102	Acoustics for Musicians	30	30	45	3
MATH 100	General Mathematics	45	0	45	3

Semester 2: (All Core)

COURSE CODE	TITLE	LH	PR	TH	CF
DMUS 104	Music Theory and Musicianship II	30	30	45	3
DMUS 105	Performance (Instrument IB &II B)	15	60	45	3
DMAM 101	Music and dances of Kenya	30	30	45	3
DMUS 106	Music Production and Technology 1	30	30	45	3
BIBL 120	New Testament Survey	45	0	45	3
DMPT 103	Basic Electronics for Musicians	30	30	45	3

Year 2**Semester 1: (All Core)**

DMUS 201	Music Theory and Musicianship III	30	30	45	3
DMPT201	Introduction to Music Notation Software	30	30	45	3
DMUS 202	Performance (Instrument I C and II C)	15	60	45	3
DMAM 201	Music and Dances of other East African Countries	30	30	45	3
DMUS 203	Music Analysis I	30	30	45	3
DMAM 202	African Dance Practice I	30	30	45	3
DMPT 203	Sound Reinforcement Techniques	15	60	45	3

Semester 2: (All Core)

DMUS 205	Performance (Instrument ID and II D)		15 60	45	3
DMPT202	Audio mastering of Sound and Signal processing	15	60	45	3
DMUS 206	Music Analysis II	30	30	45	3
DMCO 201	Song Writing Techniques I	30	30	45	3
DMUS 207	Management of Music Business	45	0	45	3
DMUS 208	Musical Criticism	30	30	45	3

Diploma in Theatre Arts

Goal of the Program

The goal of the Diploma in Theatre Arts program is to offer rigorous training geared towards enabling students to acquire practical skills and knowledge in various aspects of performance both as a field of study and profession. This programme aims at providing skills in the area of research methods and techniques, Performance theory, Theatre performance, Theatre education, production technology, nexus between music and drama as well as music therapy. In general, the program aims to:

- (a) Develop advanced skills and competencies in Theatre teaching and learning, theatre research, performance creation, performance production, scriptwriting and acting
- (b) Provide experiences to enhance the application of knowledge and technical skills in planning, administration, and practice in the performing arts;
- (c) Equip learners with technical tools and vocabulary to engage and function effectively in the performance industry.
- (d) Prepare learners for appropriate professional practice.

Graduates from this programme are expected to work as performance teachers, actors, scriptwriters, film producers, stage designers, costume and décor designers, comedians; performance policymakers; performance researchers; Theatre administrators and managers; performing artists and mentors; Drama producers, technologists and script composers; drama therapists; directors of departments of theatre, music and culture. We also expect graduates of Diploma in theatre to favourably compete for job opportunities across the globe, as employees of national and international organisations and institutions and pursue a degree programme in Theatre Arts

Minimum Admission Requirements

- a. K.C.S.E mean grade C (plain) with C (plain) in English or Kiswahili.
- b. K.C.S.E mean grade C- (Minus) or equivalent plus a Certificate in Theatre Arts or its equivalent from a recognized post-secondary institution.

Expected Learning Outcomes

Upon successful completion of this programme, graduates will be able to:

- a. Demonstrate theoretical and practical knowledge of performance Traditions
- b. Acquire appropriate skills to carry out research through performing arts
- c. Produce, perform, evaluate, critique and market performing arts

- d. Relate developments in performing arts to the dynamics of historical and social change.

Graduation requirement

To qualify for graduation, students enrolled in the Diploma in Theatre Arts programme shall pass all courses and complete a minimum of 96 credit factors divided as follows:

Six University Core Common Courses: 6 courses x 3CF's = 18 Credit Factors

Core Units of Theatre Arts: 26 courses x 3CF's = 78 Credit Factors

TOTAL CFS = 96 Credit Factors

Program Structure

Year 1 Semester I

Course Code	Course Title	Contact Hours		
		Lecture	Practical= project/seminars	Total
DIPT110	Introduction to Theatre Arts	45	-	45
DIPT111	Scene Design Workshop	15	30	45
DIPT113	History of Drama and Theatre	45	-	45
DIPT114	History of Music and Dance	45	-	45
DIPM116	Ensemble Performance I	15	30	45
MATH 100	General Mathematics	45	-	45
BIBL 110	Old Testament Survey	45	-	45
COMS 110	Communication Skills	45	-	45

Year I Semester 2

Course Code	Course Title	Contact Hours		
		Lecture	Practical= project/seminars	Total

DIPT 120	Scripting and Script Analysis	15	30	45
DIPT 121	Scene Design Workshop	15	30	45
DIPT 122	Costume Design and Make-up Techniques	15	30	45
DIPT 123	Sound Design and Stage Lighting	15	30	45
DIPM 123	Dance Practice I (dramatized)	15	30	45
COMS 120	Communication Skills II	45	-	45
BIBL 120	New Testament Survey	45	-	45

Year 2 Semester I

Course Code	Course Title	Contact Hours		
		Lecture	Practical= project/seminars	Total
DIPT 210	Theories and Principles of Acting	15	30	45
DIPT 211	Principles of African Theatre	45	-	45
DIPT 212	Basics of Drama in Education	15	30	45
DIPT 213	Theory and Principles of Directing	15	30	45
DIPM 213	Dance Practice II (Choreography)	15	30	45
DIPM 216	Ensemble Performance III	15	30	45
BIBL 210	The Redemption Story	45	-	45

Year 2 Semester 2

Course	Course Title	Contact Hours
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Code		Lecture	Practical= project/seminars	Total
DIPT 220	Theatre for Development	15	30	45
DIPT 221	Kenyan Institutions and Drama Festival	45		45
DIPT 222	Marketing and Management of Performing Arts	45	-	45
DIPT 223	Theories and Criticisms of Theatre	45	-	45
DIPT 224	Professional Theatre in Kenya	45	-	45
DIPM 124	Introduction to Music Industry	45	-	45
BIBL 222	Christianity and Ethics in Society	45	-	45

Semester 3

Course Code	Course Title	Contact Hours		
		Lecture	Practical= project/seminars	Total
DIPT 225	Internship and Project		180	180

Certificate in Music

The Goal of Certificate of Music programme is to enhance learners' music performance abilities and equip learners with requisite literacy and knowledge to facilitate meaningful application of skills.

Minimum Admission Requirements

KCSE D+

Expected Learning Outcomes of the Programme

By the end of the program, a graduate of Certificate in Music is expected to:

1. Apply theory of music to make music.
2. Explain characteristics of Music of Kenya.
3. Demonstrate performance skills in selected music instruments.
4. Apply different technologies of music to make music
5. Use biblical to write theologically sound music
6. Apply knowledge of contemporary Kenyan Gospel music
7. Acquire basic knowledge in music Production Processes
8. Conduct performance of various choral works

Graduation Requirements

Program Structure

Semester 1

CODE	COURSE	LH	PR	TH	CF
CMUS 010	Music Theory and Aural Skills I	30	30	45	3
CMAM 010	Introduction to the Music of Kenya	30	30	45	3
CMUS 011	Performance Tuition I	30	30	45	3
CMPT 010	Introduction to Technologies for Music	30	30	45	3
CMUS 012	Music Appreciation I	30	30	45	3
COMS 110	Communication Skills	30	30	45	3
BIBL 110	Old Testament Survey	30	30	45	3

Semester II

CODE	COURSE	LH	PR	TH	CF
CMUS 020	Music Theory and Aural Skills II	30	30	45	3
CMUS 021	Introduction to Contemporary Kenyan Gospel Music	30	30	45	3
CMUS 022	Performance Tuition II	30	30	45	3
CMPT 020	Introduction to Music Production	30	30	45	3
CMUS 022	Music Appreciation II	30	30	45	3
CMCO 020	Introduction to Song Writing	30	30	45	3
CMUS 023	Introduction to Choral Music	30	30	45	3
CMUS 024	Practicum/Attachment	0	180	180	6

SCHOOL OF PHARMACY

Bachelor of Pharmacy

The role of the pharmacist globally has shifted from dispensing to pharmaceutical care in collaboration with other health professionals in order to improve treatment outcomes. The goal of Bachelor of Pharmacy program is to train pharmacy graduates who will work in a wide variety of settings including: Community, Hospital, Research & development, Academia, Pharmacy regulatory systems, Pharmaceutical business industry, and Non-pharmaceutical settings.

Minimum Admission Requirements

KCSE B- (Minus) with C+ in Mathematics/Physics, Biology, Chemistry, English /Kiswahili; OR Diploma in Pharmaceutical Technology and KCSE C+.

Expected Learning Outcomes

The graduates of this program will be adequately prepared to perform the following roles and functions:

- a) Provision of curative, promotive and preventive healthcare and pharmaceutical services
- b) Perform in co-ordination of activities related to pharmaceutical production, quality assurance and dispensing at all levels of health care delivery.
- c) Participation in research and training of pharmaceutical and other healthcare personnel.

Graduation Requirements

To qualify for graduation, students enrolled in the Bachelor of Pharmacy programme shall complete a total of 5340 contact hours distributed as follows:

- a) 356 credit factors
- b) 4095 lecture hours
- c) 2490 practical hours

Program Structure

COURSE CODE	COURSE TITLE	LECTURE / DIRECTED STUDY	PRACTICAL	CREDIT FACTOR(CF)
Year 1 Semester 1				
COMP 100	Introduction to Computer Applications	30	30	3

COMS 100	Communication Skills	45	0	3
BIBL 110	Old Testament Survey	45	0	3
PHAM 101	Mathematics for Pharmacy	90	0	6
PHAM 102	Chemistry I	90	90	9
	TOTAL	300	120	24
Year 1 Semester 2				
PHAM 103	Biochemistry I	180	90	15
PHAM 104	Medical Physiology I	150	60	12
PHAM 105	Human Anatomy	150	60	12
BIBL 120	New Testament Survey	45	0	3
	TOTAL	525	210	42
Year 2 Semester1				
PHAM 202	Chemistry II	90	90	9
PHAM 203	Biochemistry II	180	90	15
PHAM 204	Medical Physiology II	150	60	12
PHAM 206	Medical Microbiology	150	60	12
	TOTAL	570	300	48
Year 2 Semester 2				
PHAM 207	Social and Behavioral Pharmacy	90	0	6
PHAM 208	Pharmaceutical Chemistry I	180	90	15
PHAM 209	Pharmacology I	90	0	6
BIBL 210	Redemption Story	45	0	3
	TOTAL	405	90	30

Year 3 Semester 1				
PHAM 308	Pharmaceutical Chemistry II	180	90	15
PHAM 310	Human pathology	90	90	9
PHAM 311	Pharmaceutics I	90	90	9
PHAM 313	Pharmacognosy I	180	90	15
	TOTAL	540	360	48
Year 3 Semester 2				
PHAM 309	Pharmacology II	150	60	12
PHAM 312	Environmental and Occupational Health	45	0	3
PHAM 314	Clinical Pharmacy I	90	0	6
BIBL 222	Christian Ethics	45	0	3
	TOTAL	330	60	24
Year 4 Semester 1				
PHAM 408	Pharmaceutical Chemistry III	180	90	15
PHAM 409	Pharmacology III	150	60	12
PHAM 411	Pharmaceutics II	180	90	15
PHAM 413	Pharmacognosy II	180	90	15
	TOTAL	690	330	57
Year 4 Semester 2				
PHAM 414	Clinical Pharmacy II	90	90	9
PHAM 415	Pharmacy Management I	45	0	3

PHAM 416	Research methods and Biostatistics	45	0	3
	TOTAL	180	90	15
PHAM 417	Elective term	0	360	12
Year 5 Semester 1				
PHAM 508	Pharmaceutical Chemistry IV	150	60	12
PHAM 509	Pharmacology IV	150	60	12
PHAM 518	Pharmacy Laws and Ethics	45	0	3
PHAM 520	Research Project	0	240	8
	TOTAL	345	360	35
Year 5 Semester 2				
PHAM 511	Pharmaceutics III	150	60	12
PHAM 514	Clinical Pharmacy III	150	150	15
PHAM 515	Pharmacy Management II	45	0	3
	TOTAL	345	210	30
	TOTAL (5 years)	4095	2490	356

SCHOOL OF SCIENCE ENGINEERING AND TECHNOLOGY

Doctor of Philosophy in Information Technology

The goal of this program is to impart practical skills and knowledge in various aspects of Information Technology. This also includes such areas as information confidentiality, integrity, governance, compliance, audit assurance, and risk management. This program aims at providing skills in the area of research methods and techniques, thereby producing Information Technology scholars and educators.

Minimum Admission Requirements

A Masters degree from a recognized institution with specialization in IT or related areas

Expected Learning Outcomes

At the end of the program, a graduate of PhD in IT program should be able to:

- a) Apply Information Technology knowledge, skills, techniques and tools to create best-possible solutions to practical problems of varying complexity, in a wide range of contexts.
- b) Facilitate the acquisition, adoption and adaptation of Information Technology best practices and audit knowledge, techniques and tools to improve organizations' performance.
- c) Pursue careers in research & development, academics, consultancy services and industry.

Graduation Requirements

To qualify for graduation, students enrolled in the PhD in IT programme shall pass all courses and complete a total of 60 credit factors divided as follows:

- a) Year one Semester one Courses: 18 credit factors
- b) Year one Semester two Courses: 18 credit factors
- c) Year Two Independent research: 9 credit factors
- d) Year Three Independent research and Thesis writing: 15 credit factors

Total credit factors required for graduation will be 60 with a pass mark of 50%.

Program Structure

YEAR ONE: SEMESTER ONE

Course Code	Course Title	Contact Hours			Weight
		Lecture	Practical	Total	

INTE 910	Advanced Metaphysics & Epistemology	45	0	45	3.0 C.F
INTE 911	Advanced Software Development	45	0	45	3.0 C.F
INTE 912	Advanced Computer Networks	30	15	45	3.0 C.F
INTE 913	Electronic Commerce Systems	45	0	45	3.0 C.F
INTE 914	Data and Knowledge Management	30	15	45	3.0 C.F
INTE 915	Information Technology Research and Practice	30	15	45	3.0 C.F
Total		165	15	180	12.0 CF

YEAR ONE: SEMESTER TWO

Course Code	Course Title	Contact Hours			Weight
		Lecture	Practical	Total	
INTE 920	Information Privacy, Security and Assurance	45	0	45	3.0 C.F
INTE 921	Advanced Information Systems Security	30	15	45	3.0 C.F
INTE 922	Managing IT Projects in Organizations	45	0	45	3.0 C.F
INTE 923	Research Design and Analysis	45	0	45	3.0 C.F
INTE 924	Emerging Topics in Information Technology	30	15	45	3.0 C.F
INTE 925	Data warehousing and data mining	45	0	45	3.0 C.F
Total		165	15	180	18.0 CF

YEAR TWO

Course Code	Course Title	Contact Hours			Weight
		Lecture	Practical	Total	
INTE 930	Independent Research (Research Proposal)	0		90	6.0 C.F
Total				90	6.0 C.F

YEAR THREE

Course Code	Course Title	Contact Hours			Weight
		Lecture	Practical	Total	
INTE 940	Thesis	0	270	135	9.0 CF
Total				135	9.0 CF

Doctor of Philosophy in IT Security and Audit

The goal of the PhD in Information Security and Audit course is to impart practical skills and knowledge in various aspects of Information Security and Audit. This also includes such areas as information confidentiality, integrity, governance, compliance, audit assurance, and risk management. This programme aims at providing skills in the area of research methods and techniques, thereby producing Information Security and Audit scholars and educators.

Minimum Admission Requirements

Master degree in a computing discipline with a weighted average grade of B or higher from Kabarak University, or an equivalent qualification recognized by Kabarak University and CUE. Those with less than an average of B grade must have at least two years relevant experience

Expected Learning Outcomes

By the end of the program, learners should be able to:

- a) Ethically apply information security and audit knowledge, skills, techniques and tools to create best-possible solutions to practical problems of varying complexity, in a wide range of contexts.
- b) Facilitate the acquisition, adoption and adaptation of information security best practices and audit knowledge, techniques and tools to improve organizations' security and performance.
- c) Pursue careers in research & development, academics, consultancy services and industry.

Graduation Requirements

To qualify for graduation, students shall pass all courses and complete a total of 60 credit factors with a minimum pass mark of 50% divided as follows:

- a) 36 credit factors of course work.
- b) 9 credit factors of thesis research proposal.
- c) 15 credit factors of thesis research.

Program Structure

YEAR ONE: SEMESTER ONE

Course	Course Title	Contact Hours	
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Code		Lecture	Practical	Total	Weight
BIBL 805	Christian Worldview And Philosophical Foundations	30	15	45	3.0 C.F
ISEA 911/INTE 915	Information Technology Research and Practice	30	15	45	3.0 C.F
ISEA 912	Organizations Corporate Computer and Network Security	30	15	45	3.0 C.F
ISEA 913	Disaster Recovery and Contingency Planning for the Security Professional	30	15	45	3.0 C.F
Total		120	60	180	12

YEAR ONE: SEMESTER TWO

Course Code	Course Title	Contact Hours			Weight
		Lecture	Practical	Total	
ISEA 914	Advanced Issues in Information Security	30	15	45	3.0 C.F
ISEA 915	Emerging Issues in Cyber Security	30	15	45	3.0 C.F
ISEA 916	Database and Distributed Systems Security	30	15	45	3.0 C.F
ISEA 917	Research Design and Analysis	30	15	45	3.0 C.F
Total		120	60	180	12

YEAR TWO: SEMESTER ONE

Course Code	Course Title	Contact Hours			Weight
		Lecture	Practical	Total	
ISEA 920	Advanced Risk Management in Information Assurance and Security	30	15	45	3.0 C.F
ISEA 921	Security Audit and Compliance Testing	30	15	45	3.0 C.F
ISEA 922	Assurance Controls and Compliance Management	30	15	45	3.0 C.F
ISEA 923	Secure Software Design and Programming	30	15	45	3.0 C.F
Total		120	60	180	12

YEAR TWO: SEMESTER TWO

Course Code	Course Title	Contact Hours			Weight
		Lecture	Practical	Total	
ISEA 924	Independent Research	0	180	180	6.0 C.F

Total		0	180	0	6
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YEAR THREE

Course Code	Course Title	Contact Hours			Weight
		Lecture	Practical	Total	
ISEA 930	Final Dissertation (Thesis)	0	270	270	9.0 C.F
Total		0	270	0	9

Master of Science in Environmental Science

Goal of the program

1. To develop Professional and Research capabilities in major areas of environment.
2. To develop Mid-Career professionals in various fields in maintaining environmental integrity in relation to human development.
3. To produce graduates grounded in their areas of specialization yet more holistic in their approach to environmental issues.

Minimum Admission Requirement

Applicants should be holders of B.Sc. in Environmental Science, or related disciplines, with a minimum of Second Class Honours upper division from Kabarak University or any other equivalent qualification recognized by Commission for University Education. Under special circumstances, based on other University requirements, candidates with second class honours (lower division) shall be considered with field experience of 2 years.

Expected Learning Outcomes

Upon successful completion of the program graduates will be able to:

1. Analyze environmental issues in terms of their business, economic, scientific and technological dimensions
2. Develop and apply technological solutions in pragmatic, environmentally-sensitive ways
3. Work within existing ethical, legal and regulatory frameworks
4. Contribute to technological development planning
5. Support the principles of sustainable development in practical ways, matched to current business and political realities.

Graduation requirement

A minimum of seventy eight credit factors (78 CF) of graduate work are required for the award of Master of Science in Environmental Science. This includes 9 C.F for Research Project and 69 C.F of coursework, examination and thesis/project of already existing/functional masters' programme.

Program Structure

All candidates are required to take the following core courses. In addition, 12 credit factors must be taken from the list of electives.

Year 1 Semester 1

Course Code	Course Title	Contact Hours		
		Lecture	Practical=project/seminars	CF
ENVS 600	Metaphysics & epistemology	45	0	3.0
ENVS 611	Ecology and the Environment	30	30	3.0
ENVS 612	Environment and Development	45	0	3.0
ENVS 613	Environmental Law, Policy and Advocacy	45	0	3.0
ENVS 614	GIS and Resource Management	30	45	3.0
ENVS 615	Environmental Impact Assessment	30	30	3.0

Elective 45 0 3.0

TOTAL 21.0

ELECTIVES

ENVS 616	Resource Use and Conflict Resolution	45	15	3.0
ENVS 617	Natural Resource Management	45	0	3.0

Year 1 Semester 2

Course Code	Course Title	Contact Hours		
		Lecture	Practical=project/seminars	CF
ENVS 621	Environmental Pollution and Management	30	30	3.0

ENVS 622	Environmental Management in Mining	30	30	3.0
ENVS 623	Environmental Law and Policy of Oil and Gas	45	0	3.0
ENVS 624	Energy Technology	45	0	3.0
ENVS 625	Environmental and Natural Resource Economics	45	0	3.0
ENVS 626	Research Methods	45	0	3.0

Elective 45 0 3.0
TOTAL 21.0

ELECTIVES

ENVS 627 Watershed Management 30 30 3.0
 ENVS 628 Energy Efficiency and Conservation 45 0 3.0

Year 2 Semester 1

Course Code	Course Title	Contact Hours		
		Lecture	Practical= project/seminars	CF
ENVS 711	Renewable Energy Management	45	0	3.0
ENVS 712	Environmental Hazards and Waste Management	30	30	3.0
ENVS 713	Climate Change and Environment	45	0	3.0
ENVS 714	Geothermal Energy	45	15	3.0
ENVS 715	Oil and Gas Economics	45	0	3.0

Elective 45 0 3.0

TOTAL **18.0**

Electives

ENVS	716	Vegetation and Habitat Rehabilitation	45	0
	3.0			
ENVS	717	Political Economy of Oils and Gas	45	0
	3.0			

Year 2 Semester 2

Course Code	Course Title	Contact Hours		
		Lecture	Practical= project/seminars	CF
ENVS 720	Research Project	0	270	9.0
ENVS 721	Carbon and Energy Management	30	30	3.0
ENVS 722	Mine Waste Management & Landform design	45	0	3.0

Elective 45 0 3.0

TOTAL **18.0**

Electives

ENVS	723	International Environmental Policy	45	0	3.0
ENVS	724	Land Rehabilitation in Mining Industry	45	0	3.0

TOTAL CF **78**

Master of Science in Information Technology

The Master of Science in Information Technology of Kabarak University is a post graduate program that equips candidates with the theory and practice of Information Technology. It aims to meet the increasing demand for IT professionals. The program blends theory with the latest state-of-the-art Industry-based courses, thus adequately preparing the candidates to make relevant contributions towards the national goal of industrialization.

Expected Learning Outcomes

At the completion of this program, the graduate will be able to:

- 1) Conduct research in Information Technology and related areas.
- 2) Teach Information Technology and related subject areas in Universities and other institutions of higher learning.
- 3) Pursue a PhD program in Information Technology / Computer Science / Information Systems.
- 4) Work in the industry as IT specialists, project managers, software developers, database administrators, network administrators, among others.

Minimum Requirements for Admission

Bachelor's degree in a computing discipline with Second Class (Upper Division); OR Lower with at least two years relevant experience

Graduation Requirements

To qualify for graduation, students enrolled in the Master of Science in IT program shall pass all courses and complete a total of 54 credit factors divided as follows:

- a) Common Courses: 3 credit factors
- b) Core Courses: 30 credit factors
- c) Elective course: one Course: 6 credit factors
- d) Research: 15 credit factors

Total credit factors required for graduation will be 54 with a pass mark of 50%.

Program Structure

Year 1 Semester 1

Course Code	Course Name	CF	L	P
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MSIT 700	Metaphysics & Epistemology	3	45	0
MSIT 710	Database Management Systems	3	30	30
MSIT 711	Information Technology Project Management	3	30	30
MSIT 712	Management Information Systems	3	30	30
MSIT 713	Research Methods in Information Technology	3	30	30
	TOTAL	15		

Year 1 Semester 2

Course Code	Course Name	CF	L	P
MSIT 720	Software Systems Architecture and Design	3	30	30
MSIT 721	Enterprise Application Development & Architectures	3	30	30
MSIT 722	Information Security, Audit and Assurance	3	30	30
MSIT 723	Artificial Intelligence and Expert Systems	3	30	30
MSIT 724	Computer Networks Design and Management	3	30	30
	TOTAL	15		

Year 2 Semester 1

Course Code	Course Name	CF	L	P
MSIT 810	Emerging Issues in Information Technology	3	30	30
MSIT 820	MSc IT Thesis (Part I) Research Proposal writing	6	90	0

Year 2 Semester 2

Course Code	Course Name	CF		
MSIT 820	MSc IT Thesis (Part II) (Research and Thesis writing)	15	135	0
	TOTAL	15	135	

Grand Total 60

Specialization Electives

Students shall choose two electives in consultation with the department from any one of the specialization options below. The department shall advise on which options will be on offer at any given time. The MSc IT thesis shall be done in the specialization option chosen.

(i) Information Technology Management Option

- MSIT 841E: Internet Technologies
- MSIT 842E: E-Commerce Technologies
- MSIT 843E: Web Technologies & Applications
- MSIT 844E: Software project Management
- MSIT 845E: E-learning Technologies

(ii) Software Design & Management Option

- MSIT 842E: E-commerce technologies
- MSIT 851E: Service oriented architecture
- MSIT 852E: Models of Software Systems
- MSIT 853E: Applied Cryptography
- MSIT 854E: Dependable Software & Systems
- MSIT 844E: Software Project Management

(iii) Information Security Option

- MSIT 842E: E-Commerce Security
- MSIT 851E: Information Assurance Policy
- MSIT 862E: Cyber security policy
- MSIT 863E: Incident response
- MSIT 853E: Applied cryptography
- MSIT 864E: Internet Security

(iv) Networking Technologies and Management Option

- MSIT 870e: Wireless networking
- MSIT 871e: Wireless protocols and security systems
- MSIT 872e: Distributed systems
- MSIT 873E: Network Operating Systems
- MSIT 874E: Telecommunication and Mobile computing

Master of Science in IT Security and Audit

The goal of the Master of Science in I.T Security and Audit course is to impart practical skills and knowledge in various aspects of I.T Security and Audit. This also includes such areas as information confidentiality, integrity, governance, compliance, audit assurance, and risk management. This programme aims at providing skills in the area of research methods and techniques, thereby producing IT Security and Audit scholars and educators.

Minimum Admission Requirements

Bachelor's degree in Computer Science/IT Second Class (Upper); OR Second Class (Lower) with Postgraduate Diploma in Computer Science; OR evidence of extensive research experience as demonstrated by publications in peer reviewed journals.

Expected Learning Outcomes

At the end of the program, a graduate of MSc in IT Security and Audit should have skills to perform the following tasks:

- a) Apply IT security and Audit knowledge, skills, techniques and tools to create best-possible solutions to practical problems of varying complexity, in a wide range of contexts.
- b) Facilitate the acquisition, adoption and adaptation of information security best practices and audit knowledge, techniques and tools to improve organizations' security and performance.
- c) Pursue careers in research & development, academics, consultancy services and industry.

Graduation Requirements

To qualify for graduation, students enrolled in the MSc in IT Security and Audit programme shall pass all courses and complete a total of 66 credit factors divided as follows:

- a) Year 1 Semester 2 Courses: 18 credit factors
- b) Core Courses: 147 credit factors
- c) Elective course: one Course: 6 credit factors
- d) Industrial attachment: 3 credit factors

The pass mark shall be 50%.

Program Structure

YEAR ONE: SEMESTER ONE

Course Code	Course Title	Contact Hours			C.F
		Lecture	Practical	Total	
MITS 711	Metaphysics & Epistemology	30	30	45	3.0
MITS 712	Information Technology Project Management	30	30	45	3.0
MITS 713	Research Methods in Information Technology	30	30	45	3.0
MITS 714	Information Security Risk Management	30	30	45	3.0
MITS 715	Ethical and Legal Issues in Computer Security	30	30	45	3.0
MITS 716	Disaster Recovery Planning and Business Continuity	30	30	45	3.0
TOTAL		195	195	270	18

YEAR ONE: SEMESTER TWO

Course Code	Course Title	Contact Hours			C.F
		Lecture	Practical	Total	
MITS 721	Advanced Cryptography & Cyber-Security	30	30	45	3.0
MITS 722	Information Systems Security, Audit and Assurance	30	30	45	3.0
MITS 723	IT Security Planning Strategies and Project Management	30	30	45	3.0
MITS 724	Securing an E-Commerce Infrastructure	30	30	45	3.0
MITS 725	Advanced Network Security & Forensics	30	30	45	3.0
MITS 726	Advances in Ethical Hacking and Penetration testing	30	30	45	3.0
TOTAL		195	195	270	18

YEAR TWO: SEMESTER ONE

Course Code	Course Title	Contact Hours			C.F
		Lecture	Practical	Total	
MITS 811	Security Policies, Standards, and Compliance Strategies	30	30	45	3.0
MITS 812	Computer Operating Systems & Virtualizations	30	30	45	3.0
MITS 813	Database Security and Reliability	30	30	45	3.0
MITS 814	Computer Crime and Investigations	30	30	45	3.0

MITS 815	Multimedia Security and Digital Forensics	30	30	45	3.0
MITS 816	Research Proposal Writing Skills	30	30	45	3.0
TOTAL		195	195	270	18

YEAR TWO: SEMESTER TWO

Course Code	Course Title	Contact Hours			C.F
		Lecture	Practical	Total	
MITS 821	Dissertation (Research and Dissertation writing)		180	90	6.0
TOTAL			180	90	6

Master of Science in Physics

The curriculum is designed to provide postgraduate education to enable graduates to:

- a) Realize their own potential for leadership in the field of Science.
- b) Demonstrate to students to various Physics aspects, which will adequately empower those who wish to be researchers and teachers.
- c) Equip students with research techniques and procedures that will enable them to solve problems in various research fields, the private and public sectors.
- d) The main objective therefore is to produce graduates with high academic standards and skills, and, well-developed in body, mind and spirit. These virtues will enable our graduates to attain a perspective of wholeness in their personal lives and to be well equipped to contribute positively to national development efforts.

Minimum Admission Requirements

Bachelor's degree in Physics Second Class (Upper); OR Lower with at least two years relevant experience after graduation

Expected Learning Outcomes

At the end of the program, a graduate of MSc in Physics should have skills to perform the following tasks:

- a) Demonstrate a comprehensive understanding of techniques, and a thorough knowledge of the literature, applicable to their own research.
- b) Demonstrated originality in the application of knowledge, together with a practical understanding of how research and enquiry are used to create and interpret knowledge in their field.
- c) Show abilities in the critical evaluation of current research and research techniques and methodologies
- d) Demonstrate self-direction and originality in tackling and solving problems, and acted autonomously in the planning and implementation of research.

Graduation Requirements

To qualify for graduation, students enrolled in the MSc in Physics program shall pass all courses and complete a total of 60 credit factors.

Program Structure

Semester	Course Code	Course Title	CF
Year 1	MPHY 700	Metaphysics & Epistemology	3
Semester 1	MPHY 710	Mathematical Methods for Physics I	3
	MPHY 711	Classical Mechanics	3
	MPHY 712	Quantum Mechanics	3
	3 Electives (specialization)		9
			Sub-total 21
Year 1	MPHY 720	Electrodynamics	3
Semester 2	MPHY 721	Statistical Mechanics	3
	<u>MPHY 722</u>	Advanced Lab	3
	<u>MPHY 723</u>	Mathematical Methods for Physics II	3
	3 Electives (specialization)		9
			Sub-total 21

Electives:

Semester 1

- MPHY 740 Computational Physics and Modelling I
- MPHY 741 Condensed Matter Physics I
- MPHY 742 Theoretical Physics I
- MPHY 743 Instrumentation I
- MPHY 744 Solar Energy and Applications
- MPHY 745 Physics of the Atmosphere and Climate I

Semester II

- MPHY 750 Computational Physics and Modelling II
- MPHY 751 Condensed Matter Physics II
- MPHY 752 Theoretical Physics II
- MPHY 753 Instrumentation II
- MPHY 754 Solar Energy Materials
- MPHY 755 Physics of the Atmosphere and Climate II

Semester	Course Code	Course Title	CF
Year 2	MPHY 810	Thesis	9
Semester 1			Sub total 9
Year 2	MPHY 716	Nuclear and Particle Physics	3
Semester 2	MPHY 810	Thesis	6
			Sub-total 9

	Total	60

It is anticipated that the candidate would supplement his/her knowledge in the given subject if he/she did not take the pre-requisites in his/her undergraduate studies. These would not count towards his/her M.Sc. A candidate is required to pass Semester I before proceeding to Semester II.

The optional courses can be combined in the following manner:

	Semester 1	Semester 2
Computational Physics and Modelling	MPHY 740	MPHY 750
Condensed Matter Physics	MPHY 741	MPHY 751
Theoretical Physics	MPHY 742	MPHY 752
Computational Physics and Modelling	MPHY 740	MPHY 750
Instrumentation	MPHY 743	MPHY 753
Theoretical Physics	MPHY 742	MPHY 752
Computational Physics and Modelling	MPHY 740	MPHY 750
Solar Energy and Applications Solar Energy Materials	MPHY 744	MPHY 754
Theoretical Physics	MPHY 742	MPHY 752
Computational Physics and Modelling	MPHY 740	MPHY 750
Physics of the Atmosphere and Climate	MPHY 745	MPHY 755
Theoretical Physics	MPHY 742	MPHY 752
Computational Physics and Modelling	MPHY 740	MPHY 750
Instrumentation	MPHY 743	MPHY 753
Solar Energy and Applications Solar Energy Materials	MPHY 744	MPHY 754
Computational Physics and Modelling	MPHY 740	MPHY 750
Instrumentation	MPHY 743	MPHY 753
Physics of the Atmosphere and Climate	MPHY 745	MPHY 755
Computational Physics and Modelling	MPHY 740	MPHY 750
Solar Energy and Applications Solar Energy Materials	MPHY 744	MPHY 754
Physics of the Atmosphere and Climate	MPHY 745	MPHY 755
Condensed Matter Physics	MPHY 741	MPHY 751
Theoretical Physics	MPHY 742	MPHY 752
Instrumentation	MPHY 743	MPHY 753
Condensed Matter Physics	MPHY 741	MPHY 751

Theoretical Physics	MPHY 742	MPHY 752
Solar Energy and Applications Solar Energy Materials	MPHY 744	MPHY 754
Condensed Matter Physics	MPHY 741	MPHY 751
Theoretical Physics	MPHY 742	MPHY 752
Physics of the Atmosphere and Climate	MPHY 745	MPHY 755
Solar Energy and Applications Solar Energy Materials	MPHY 744	MPHY 754
Theoretical Physics	MPHY 742	MPHY 752
Physics of the Atmosphere and Climate	MPHY 745	MPHY 755
Solar Energy and Applications Solar Energy Materials	MPHY 744	MPHY 754
Instrumentation	MPHY 743	MPHY 753
Physics of the Atmosphere and Climate	MPHY 745	MPHY 755

It should be noted that the combinations offered are subject to the availability of staff and the background of the student.

Bachelor of Science

The student enrolled into this programme will specialize in Mathematics, Physics, Chemistry, Botany and Zoology. The Programme aims to:-

- a) Introduce students to various aspects of Science which will prepare them to work adequately as public servants, teachers, researchers or industrialists.
- b) Equip students with laboratory techniques, and skills needed to work in various research fields.
- c) Enable students to develop knowledge, skills and attitudes to handle adequately various analytical equipment used in industries and research institutions.
- d) Help students to develop and use ideas, concepts and skills in solving scientific and technological problem in the society.
- e) Provide a basis for students to pursue further studies in Science and technology.

Minimum Admission Requirements

KCSE C+ (plus) with C (plain) in Mathematics, Chemistry, Physics, and Biology.

Graduation Requirements

To qualify for graduation, students enrolled in the Bachelor of Science program shall pass all courses and complete applicable credit factors as follows:

- a) Candidates for Bachelor of Science in Mathematics: 162 credit factors
- b) Candidates for Bachelor of Science in Chemistry: 165 credit factors
- c) Candidates for Bachelor of Science in Zoology: 168 credit factors
- d) Candidates for Bachelor of Science in Botany: 172 credit factors
- e) Candidates for Bachelor of Science in Physics: 168 credit factors

Program Structure

BACHELOR OF SCIENCE IN CHEMISTRY

YEAR 1 SEMESTER 1

<u>CODE</u>	<u>TITLE</u>	<u>L</u>	<u>P</u>	<u>C.F</u>
BIBL 110	Old Testament Survey	45	0	3.0
COMP 111	Introduction to Computer Science	30	30	3.0
COMS 100	Communications Skills	45	0	3.0
MATH 110	Basic Mathematics	45	0	3.0
MATH 111	Calculus I	45	0	3.0
CHEM 111	Inorganic Chemistry	30	30	3.0
CHEM 112	Physical Chemistry I	45	0	3.0

Total		285	60	21.0
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YEAR 1 SEMESTER 2

PHED 100	Physical Education and Recreation	30	30	3.0
BIBL 120	New Testament Survey	45	0	3.0
MATH 121	Calculus II	45	0	3.0
MATH 123	Probability and statistics I	45	0	3.0
CHEM 121	Organic Chemistry 1	30	30	3.0
CHEM 122	Physical Chemistry II	45	0	3.0
COMP 121	Introduction to programming	45	0	3.0

Total		285	60	21.0
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_YEAR 2 SEMESTER 1

BIBL 210	The Redemption story	45	0	3.0
CHEM 211	Physical -Inorganic Chemistry	45	0	3.0
CHEM 212	Organic Chemistry II	30	30	3.0
COMP210	Assembly Language Programming	30	30	3.0
COMP 211	Data structure	30	30	3.0
MATH 211	Linear Algebra I	45	0	3.0
MATH 213	Probability and Statistics II	45	0	3.0

Total	270	90	21.0
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YEAR 2 SEMESTER 2

BIBL 220	Comparative Religions	45	0	3.0
CHEM 221	Comparative study of s and p Block Elements	30	30	3.0
CHEM 222	Physical Chemistry III	45	0	3.0
COMP 220	Operating System	30	30	3.0
BMGT 213	Business Entrepreneurship	45	0	3.0
ECON 100	Introduction to Economics	45	0	3.0
PHIL 100	Introduction to Philosophy	45	0	3.0

Total	285	60	21.0
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YEAR 3 SEMESTER 1

CHEM 311	Physical Chemistry IV	30	30	3.0
CHEM 312	Organic Chemistry III	45	0	3.0
CHEM 313	Chemical Kinetics	30	30	3.0
CHEM 314	Environmental Chemistry	45	0	3.0
CHEM 315	Chemistry of lipids:	45	0	3.0
CHEM 316	Bioinorganic Chemistry	45	0	3.0
MATH 312	Ordinary Differential Equations I	45	0	3.0

Total	285	60	21.0
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YEAR 3 SEMESTER 2

CHEM 321	Coordination Chemistry	30	30	3.0
CHEM 322	Physical Methods of Structure Determination	45	0	3.0
CHEM 323	Chemistry of carbohydrates:	30	30	3.0
CHEM 324	Analytical Chemistry 1	30	30	3.0
CHEM 325	Organic Chemistry IV	45	0	3.0
CHEM 326	Chemical Applications of Group Theory	45	0	3.0
CHEM 327	Industrial and Applied Chemistry I	30	30	3.0

Total	255	120	21.0
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YEAR 4 SEMESTER 1

CHEM 411	Electrochemistry	30	30	3.0
CHEM 412	Advanced Stereochemistry and Reaction Mechanics	45	0	3.0
CHEM 413	Analytical Chemistry II	30	30	3.0
CHEM 414	Chemistry of Natural Products	45	0	3.0
CHEM 416	Technical Writing	15	0	1.0
CHEM 415	Quantum Chemistry	45	0	3.0
CHEM 417	Colloid and Surface Chemistry	45	0	3.0
CHEM 418	Drug Stability Studies	30	30	3.0

Total	285	90	22.0
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YEAR 4 SEMESTER 2

CHEM 421	Comparative Study of d and f Block Elements	30	30	3.0
CHEM 422	Radiation and Nuclear Chemistry	45	0	3.0
CHEM 423	Organic Spectroscopy	45	0	3.0
CHEM 424	Heterocyclic Chemistry	45	0	3.0
CHEM 425	Polymer Chemistry	45	0	3.0
CHEM 426	Industrial and Applied Chemistry II	30	30	3.0
CHEM 427	Research Project	0	90	3.0

Total	240	150	21.0
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BACHELOR OF SCIENCE IN PHYSICS

YEAR I SEMESTER 1

<u>CODE</u>	<u>TITLE</u>	<u>L</u>	<u>P</u>	<u>C.F.</u>
BIBL 110	Old Testament survey	45	0	3.0
PHYS 110	Mechanics	30	30	3.0
PHYS 111	Heat and Thermodynamics	30	30	3.0
MATH 110	Basic mathematics	45	0	3.0
MATH 112	Geometry and Elementary Applied Mathematics	45	0	3.0

COMS 100	Communication Skills	45	0	0
COMP 110	Introduction to Computer Science	30	30	3.0
		270	90	18.0

YEAR 1 SEMESTER 2

BIBL 120	New Testament survey	45	0	3.0
PHYS 120	Geometrical Optics	30	30	3.0
PHYS 121	Electricity & Magnetism I	30	30	3.0
MATH 111	Calculus I	45	0	3.0
COMP 121	Introduction to Programming	30	30	3.0
PHED 100	Physical Education and Recreation	30	30	3.0
		210	120	18.0

YEAR 2 SEMESTER 1

BIBL 210	The Redemption Story	45	0	3.0
PHYS 210	Oscillations and waves	30	30	3.0
PHYS 211	Electricity & Magnetism II	30	30	3.0
MATH 121	Calculus II	45	0	3.0
MATH 123	Probability and Statistics I	45	0	3.0
COMP 210	Assembly Language Programming	30	30	3.0
BGMT 213	Business Entrepreneurship	45	0	3.0
		270	90	21.0

YEAR 2 SEMESTER 2

BIBL 220	Comparative Religion	45	0	3.0
PHYS 220	Introduction to Quantum Physics	30	30	3.0
PHYS 221	Properties of Matter	45	0	3.0
MATH 211	Linear Algebra I	45	0	3.0
MATH 222	Vector analysis	45	0	3.0
MATH 212	Probability and Statistics II	45	0	3.0
PHIL 100	Introduction to Philosophy	45	0	3.0
		300	30	21.0

YEAR 3 SEMESTER 1

PHYS 310	Quantum Mechanics I	45	0	3.0
PHYS 311	Mathematical Physics I	45	0	3.0
PHYS 312	Statistical Mechanics	45	0	3.0
ENSC 100	Introduction to Environmental Science	45	0	3.0
MATH 312	Ordinary differential equations I	45	0	3.0
PHYS 313	Astrophysics	45	0	3.0
		270	00	18.0

YEAR 3 SEMESTER 2

PHYS 320	Electronics I	30	30	3.0
PHYS 321	Physical Optics	30	30	3.0
PHYS 322	Classical Mechanics	45	0	3.0
PHYS 323	Electromagnetic theory	30	30	3.0
MATH 313	Complex analysis I	45	0	3.0
PHYS 324	Geophysics	30	30	3.0

PHYS 325	Biophysics	45	0	3.0
		225	120	18.0

EAR 4 SEMESTER 1

PHYS 410	Physics Projects	0	60	2.0
PHYS 411	Solid State Physics	45	15	3.5
PHYS 412	Quantum Mechanics II	45	0	3.0
PHYS 413	Nuclear Physics	45	15	3.5
PHYS 414	Energy & Environmental Physics	45	0	3.0
MATH410	Partial Differential Equations	45	0	3.0
PHYS 415	Applied Geophysics	30	30	3.0
		255	120	21.0

YEAR 4 SEMESTER 2

PHYS 410	Physics Projects	0	60	2.0
PHYS 420	Digital Electronics	30	30	3.0
PHYS 421	Molecular Physics	45	0	3.0
PHYS 422	Semiconductor Physics	45	15	3.0
PHYS 423	Laser Physics	30	30	3.0
PHYS 426	High Energy Physics	45	0	3.0
PHYS 424	Mathematical Physics II	45	0	3.5
PHYS 425	Plasma Physics	45	0	3.0
		240	135	20.5

BACHELOR OF SCIENCE IN MATHEMATICS

YEAR I SEMESTER 1

CODE	TITLE	L	P	C.F.
BIBL 110	Old Testament Survey	45	0	3.0
COMP 110	Introduction to Computer Science	30	30	3.0
MATH 110	Basic Mathematics	45	0	3.0
MATH 111	Calculus I	45	0	3.0
MATH 112	Geometry and Elementary			
	Applied Mathematics	45	0	3.0
COMS 100	Communication Skills	45	0	3.0
	TOTAL	255	30	18.0

YEAR 1 SEMESTER 2

BIBL 120	New Testament Survey	45	0	3.0
COMS 100	Communication Skills	45	0	3.0
PHED 100	Physical Education and Recreation	30	30	3.0
MATH 121	Calculus II	45	0	3.0
MATH 122	Classical Mechanics	45	0	3.0
COMP 121	Introduction to Programming	30	30	3.0
MATH 123	Probability and Statistics I	45	0	3.0
	TOTAL	285	60	21.0

YEAR II SEMESTER 1

BIBL 210	The Redemption Story	45	0	3.0
MATH 211	Linear Algebra I	45	0	3.0
MATH 212	Probability & Statistics II	45	0	3.0
ECON 100	Introduction to Economics	45	0	3.0
BGMT 213	Business Entrepreneurship	45	0	3.0
COMP 210	Assembly Language Programming	30	30	3.0
COMP 211	Data Structures	45	0	3.0
TOTAL		300	30	21.0

YEAR II SEMESTER 2

BIBL 220	Comparative Religions	45	0	3.0
MATH 220	Linear Algebra II	45	0	3.0
MATH 221	Real Analysis I	45	0	3
MATH 222	Vector Analysis	45	0	3.0
PHIL 100	Introduction to Philosophy	45	0	3.0
ENSC 100	Introduction to Environmental Science	45	0	3.0
COMP 220	Operating Systems	30	30	3.0
	TOTAL	300	30	21.0

YEAR III SEMESTER 1

OPTION ONE (PURE MATHEMATICS)

MATH 310	Linear Algebra III	45	0	3.0
MATH 311	Real Analysis II	45	0	3.0
MATH 312	Ordinary Differential Equations I	45	0	3.0
MATH 313	Complex Analysis	45	0	3.0
MATH 316	Operational Research	45	0	3.0
COMP 311	Design and Analysis of Algorithms	45	0	3.0
	TOTAL	270	0	18.0

OPTION TWO (APPLIED MATHEMATICS)

MATH 311	Real Analysis II	45	0	3.0
MATH 312	Ordinary Differential Equations I	45	0	3.0
MATH 313	Complex Analysis	45	0	3.0
MATH 314	Numerical Analysis	45	0	3.0
MATH 315	Fluid Mechanics I	45	0	3.0
COMP 311	Design and Analysis of Algorithms	45	0	3.0
	TOTAL	270	0	18.0

OPTION THREE (STATISTICS)

MATH 311	Real Analysis II	45	0	3.0
MATH 312	Ordinary Differential Equations I	45	0	3.0
MATH 313	Complex Analysis	45	0	3.0
MATH 316	Operational Research	45	0	3.0

MATH 317	Statistics through Applications	45	0	3.0
COMP 311	Design and Analysis of Algorithms	45	0	3.0
TOTAL		270	0	18.0

YEAR III SEMESTER 2

OPTION ONE (PURE MATHEMATICS)

MATH 320	Advanced Calculus	45	0	3.0
MATH 321	Group Theory	45	0	3.0
MATH 322	Ordinary Differential Equations II	45	0	3.0
MATH 323	Measure Theory	45	0	3.0
MATH 324	Sample Surveys	45	0	3.0
COMP 321	Unix and C Programming	30	30	3.0
TOTAL		255	30	18.0

OPTION TWO (APPLIED MATHEMATICS)

MATH 320	Advanced Calculus	45	0	3.0
MATH 322	Ordinary Differential Equations II	45	0	3.0
MATH 325	Dynamics	45	0	3.0
MATH 326	Fluid Mechanics II	45	0	3.0
MATH 327	Methods	45	0	3.0
COMP 321	Unix and C Programming		30	3.0
TOTAL		25	30	18.0

OPTION THREE (STATISTICS)

MATH 320	Advanced Calculus	45	0	
3.0				
MATH 322	Ordinary Differential Equations II	45	0	
3.0				
MATH 324	Sample Surveys	45	0	
3.0				
MATH 328	Regression & Analysis of Variable	45	0	
3.0				
MATH 329	Quality Control & Acceptance Sampling	45	0	
3.0				
COMP 321	Unix and C Programming	30	30	
3.0				
TOTAL		255	30	18.0

YEAR IV SEMESTER 1

OPTION ONE (PURE MATHEMATICS)

MATH 400	Topology I	45	0	
3.0				
MATH 410	Partial Differential Equations	45	0	
3.0				

MATH 411	Fourier Analysis	45	0	3.0
MATH 412	Ring Theory	45	0	3.0
MATH 413	Differential Geometry	45	0	3.0
MATH 418	Modelling and Investigation	45	0	3.0
COMP 320	Introduction to Computer Graphics	30	30	3.0
TOTAL			255	30 21.0

OPTION TWO (APPLIED MATHEMATICS)

MATH 400	Topology I	45	0	3.0
MATH 410	Partial Differential Equations	45	0	3.0
MATH 411	Fourier Analysis	45	0	3.0
MATH 413	Differential Geometry	45	0	3.0
MATH 414	Modeling with Fluids	45	0	3.0
MATH 418	Modeling and Investigation	45	0	3.0
COMP 320	Introduction to Computer Graphics	30	30	3.0
TOTAL			255	30 21.0

OPTION THREE (STATISTICS)

MATH 400	Topology I	45	0	3.0
MATH 410	Partial Differential Equations	45	0	3.0
MATH 415	Tests of Hypothesis	45	0	3.0
MATH 416	Time Series Analysis & Forecasting	45	0	3.0
MATH 417	Probability & Stochastic Processes	45	0	3.0
MATH 418	Modeling and Investigation	45	0	3.0
COMP 320	Introduction to Computer Graphics	30	30	3.0
TOTAL			255	30 21.0

YEAR IV SEMESTER 2

OPTION 1 (PURE MATHEMATICS)

MATH 420	Topology II	45	0	3.0
MATH 421	Field Theory	45	0	3.0
MATH 422	Hilbert Space	45	0	3.0
MATH 427	Number theory	45	0	3.0
MATH 432	Project in Pure Mathematics	90	0	6.0
COMP 410	Database Management	30	30	3.0
TOTAL			300	30 21.0

OPTION II (APPLIED MATHEMATICS)

MATH 423	Perturbation Methods	45	0	3.0
MATH 428	Geophysics and Astrophysical Fluid Dynamics	45	0	3.0
MATH 430	Oscillations and Waves	45	0	3.0
MATH 431	Introduction to Optimisation	45	0	3.0
MATH 433	Project in Applied Mathematics	90	0	6.0
COMP 410	Database Management	30	30	3.0
TOTAL			300	30 21.0

OPTION III (STATISTICS)

MATH 424	Non Parametric Methods	45	0	3.
MATH 425	Multivariate Analysis	45	0	3.0
MATH 426	Design and Analysis of Experiments	45	0	3.0
MATH 431	Introduction to Optimisation	45	0	3.0
MATH 434	Project in Statistics	90	0	6.0
COMP 410	Database Management	30	30	3.0
TOTAL		300	30	21.0

BACHELOR OF SCIENCE IN BOTANY

YEAR I

Semester I

		L	P	C.F
BIBL 110	Old Testament Survey	45	0	3.0
BOTA 110	Basic Botany I	30	30	3.0
ZOOL 110	Basic Zoology I	30	30	3.0
CHEM 111	Inorganic Chemistry	30	30	3.0
COMP 100	Introduction to Computer Applications	30	30	3.0
COMS 100	Communication Skills	30	30	3.0
MATH 100	General Mathematics	45	0	3.0
TOTAL		240	150	21.0

Semester II

BIBL 120	New Testament Survey	45	0	3.0
BOTA 120	Basic Botany II	30	30	3.0
ZOOL 120	Basic Zoology II	30	30	3.0
CHEM 121	Organic Chemistry I	30	30	3.0
PHED 100	Physical Education & Recreation	30	30	3.0
MATH 123	Probability and Statistics I	45	0	3.0
TOTAL		210	120	18.0

YEAR II

Semester I

BIBL 210	Redemption Story	45	0	3.0
ZOOL 210	Invertebrate Zoology	30	30	3.0
BOTA 210	Cryptogamic Botany	30	30	3.0
BOTA 211	Plant Structure and Function	30	30	3.0
CHEM 212	Organic Chemistry II	30	30	3.0
BMGT 213	Business Entrepreneurship	0	30	3.0
MATH 212	Probability and Statistics II	45	0	3.0
TOTAL		240	150	21.0

Semester II

BIBL 220	Comparative Religion	45	0	3.0
BOTA 220	Phycology	30	30	3.0
BOTA 221	Genetics and Evolution	30	30	3.0
ECON 100	Introduction to Economics	45	0	3.0
BOTA 222	Plant Ecology I	30	30	3.0
ENSC 100	Introduction to Environmental science	30	30	3.0
PHIL 100	Introduction to Philosophy	45	0	3.0
TOTAL		255	120	21.0

YEAR III

Semester I

BOTA 310	Morphogenesis and Developmental Anatomy	30	30	3.0
BOTA 311	Microbiology I	30	30	3.0
BOTA 312	Plant Taxonomy	30	30	3.0
BOTA 313	Plant Physiology I	30	30	3.0
ZOOL 312	Cell and Molecular Biology	30	30	3.0
BOTA 314	Plant Ecology II	30	30	3.0
ZOOL 313	Evolutionary Biology	30	30	3.0
TOTAL		210	210	21.0

Semester II

BOTA 320	Ecological Plant Anatomy	30	30	3.0
BOTA 321	Cytogenetics	30	30	3.0
BOTA 322	Morphology of Higher Plants	30	30	3.0
BOTA 323	Microbiology II	30	30	3.0
ZOOL 321	Arthropod Biology	30	30	3.0
BOTA 324	Plant Physiology II	30	30	3.0
BOTA 325	Genetics	30	30	3.0
TOTAL		210	210	21.0

YEAR IV

Semester I

BOTA 410	Research Project I	0	60	2.0
BOTA 411	Mycology	30	30	3.0
BOTA 412	Biosystematics	30	30	3.0
BOTA 413	Plant Geography	30	30	3.0
BOTA 414	Evolutionary Mechanism	30	30	3.0
BOTA 415	Plant Cell Biology	30	30	3.0
BOTA 416	Economic Botany	30	30	3.0
TOTAL		180	240	20.0

Semester II

BOTA 420	Research Project I1	0	60	2.0
BOTA 421	Population Genetics	30	30	3.0
BOTA 422	Plant Phytopathology	30	30	3.0
BOTA 423	Plant Biotechnology	30	30	3.0
BOTA 424	Medicinal and Poisonous plants	30	30	3.0
BOTA 425	Plant Virology	30	30	3.0
BOTA 426	Industrial Microbiology	30	30	3.0
BOTA 427	Plant Evolution	30	30	3.0
TOTAL		210	270	23.0

BACHELOR OF SCIENCE IN ZOOLOGY

YEAR I

Semester I	L	P	C.F
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BIBL	110	Old Testament Survey	45	0	3.0
BOTA	110	Basic Botany I	30	30	3.0
ZOOL	110	Basic Zoology I	30	30	3.0
CHEM	111	Inorganic Chemistry	30	30	3.0
COMP	100	Introduction to Computer Applications	30	30	3.0
COMS	100	Communication Skills	30	30	3.0
MATH	100	General Mathematics	45	0	3.0
TOTAL			240	150	21.0

Semester II

BIBL	120	New Testament Survey	45	0	3.0
BOTA	120	Basic Botany II	30	30	3.0
ZOOL	120	Basic Zoology II	30	30	3.0
CHEM	121	Organic Chemistry I	30	30	3.0
PHED	100	Physical Education & Recreation	30	30	3.0
MATH	123	Probability and Statistics I	45	0	3.0
TOTAL			210	120	18.0

YEAR II

Semester I

BIBL	210	Redemption Story	45	0	3.0
ZOOL	210	Invertebrate Zoology	30	30	3.0
BOTA	210	Cryptogamic Botany	30	30	3.0
BOTA	211	Plant Structure and Function	30	30	3.0
CHEM	212	Organic Chemistry II	30	30	3.0
BMGT	213	Business Entrepreneurship	30	30	3.0
MATH	212	Probability and Statistics II	45	0	3.0
TOTAL			240	150	21.0

Semester II

BIBL	220	Comparative Religion	45	0	3.0
ZOOL	220	Introduction to Animal Ecology	30	30	3.0
ZOOL	221	Animal Genetics and Evolution	30	30	3.0
ECON	100	Introduction to Economics	45	0	3.0
BOTA	222	Plant Ecology I	30	30	3.0
ENSC	100	Introduction to Environmental science	30	30	3.0
PHIL	100	Introduction to Philosophy	45	0	3.0
TOTAL			255	120	21.0

YEAR III

Semester I

			L	P	C.F
ZOOL	310	Developmental Biology	30	30	3.0
ZOOL	311	Physiology and Histology	30	30	3.0
ZOOL	312	Cell and Molecular Biology	30	30	3.0
ZOOL	313	Evolutionary Biology	30	30	3.0
BOTA	311	Plant Taxonomy	30	30	3.0
BOTA	312	Microbiology I	30	30	3.0

ZOOL 314	Vertebrate Biology I	30	30	3.0
TOTAL		210	210	21.0

Semester II

ZOOL 320	Environmental Physiology	30	30	3.0
ZOOL 321	Arthropod Biology	30	30	3.0
ZOOL 322	Vertebrate Zoology II	30	30	3.0
ZOOL 323	Comparative Endocrinology	30	30	3.0
ZOOL 324	Animal Behavior	30	30	3.0
BOTA 323	Microbiology II	30	30	3.0
BOTA 325	Animal Ecology	30	30	3.0
TOTAL		210	210	21.0

YEAR IV

Semester I

		L	P	C.F
ZOOL 410	Research Project I	0	60	2.0
ZOOL 411	Aquatic Ecology I	30	30	3.0
ZOOL 412	Terrestrial Ecology I	30	30	3.0
ZOOL 413	Entomology I	30	30	3.0
ZOOL 414	Parasitology I	30	30	3.0
ZOOL 415	Physiology I	30	30	3.0
ZOOL 416	Immunology	30	30	3.0
TOTAL		150	270	20.0

Semester II

ZOOL 420	Research Project II	0	60	2.0
ZOOL 421	Ichthyology	30	30	3.0
ZOOL 422	Aquatic Ecology II	30	30	3.0
ZOOL 423	Terrestrial Ecology II	30	30	3.0
ZOOL 424	Entomology II	30	30	3.0
ZOOL 425	Parasitology II	30	30	3.0
ZOOL 426	Physiology II	30	30	3.0
TOTAL		180	240	20.0

Bachelor of Science in Actuarial Science

The course prepares a student for a career as an actuarial scientist concerned with the construction of models and solutions for financial, business and societal problems involving uncertain future events.

Minimum Requirements for Admission

KCSE C+ with and B (plain) in Mathematics and C+ English; OR Credit in University Bridging Mathematics and C+ in English; OR KACE or Advance level equivalent with 2 principal pass, including Mathematics.

Expected Learning Outcomes

Upon completion of the programme, the graduates will be able to:

1. Apply probability tools quantitatively to assess risk and solve problems encountered in actuarial science
2. Use financial mathematics concepts to calculate present and accumulated values for various streams of cash flows as a basis for future use in: reserving, valuation, pricing, asset/liability management, investment income, capital budgeting and valuing contingent cash flows.
3. Demonstrate an understanding of the theoretical basis of certain actuarial models and life contingent models and an ability to apply those models to insurance and other financial risks
4. Demonstrate an understanding of frequency and severity models and an ability to carry out the steps involved in the modelling process in solving business problems.
5. Demonstrate the ability to summarize and communicate, orally and in writing, actuarial problems and the ability to communicate solutions to actuarial problems to specialized and non-specialized audiences
6. Demonstrate highest standards of actuarial ethical conduct and professional actuarial behavior, critical, interpersonal and communication skills as well as a commitment to life-long learning.

Graduation Requirements

To qualify for graduation, students enrolled in the Bachelor of Science in Actuarial Science shall complete a total of:

- a) 174 credit factors
- b) 2415 lecture hours
- c) 330 practical hours

Program Structure

COURSE/CODE	COURSE TITLE	LECTURE/ DIRECTED STUDY	PRACTICAL	CREDIT RATINGCF
Year 1 Semester 1				
BIBL 110	Old Testament Survey	45	0	3
COMS 110	Communication Skills 1	45	0	3
COMP 111	Fundamentals of programming concepts	30	30	3
MATH 112	Geometry and elementary applied mathematics	45	0	3
ECON 110	Introduction to Microeconomics I	45	0	3
ACTS 111	Introduction to Actuarial Science	45	0	3
MATH 113	Calculus I	45	0	3
ACTS 113	Fundamental of Actuarial mathematics I	45	0	3
	SUB TOTAL	345	30	24
Year 1 Semester 2				
BIBL 120	New Testament Survey	45	0	3
COMS 120	Communication Skills II	45	0	3
COMP 120	Structured Programming	30	30	3
STAT 121	Discrete Mathematics	45	0	3
ECON 120	Introduction to Macro-Economics	45	0	3
ACTS 123	E-Commerce	30	30	3
ACTS 121	Financial Mathematics 1	45	0	3
MATH 123	Introduction to Probability and Statistics I	45	0	3
	SUB TOTAL	285	60	24
Year 2 Semester 1				
MATH 121	Calculus II	45	0	3
ACTS 210	General Insurance: Theory	45	0	3
MATH 212	Probability and Statistics II	45	0	3
STAT 212	Introduction to Computer Interactive Statistics	30	30	3
ACTS 211	Actuarial Mathematics I	45	0	3
COMP 213	Fundamentals of database management systems	30	30	3
ACTS 122	Fundamental of Actuarial mathematics II	45	0	3
	SUB TOTAL	285	60	21
Year 2 Semester 2				

ACTS 220	Accounts and Finance for Actuarial Science	45	0	3
COMP 211	Object oriented programming with C++	30	30	3
ACTS 224	Financial Mathematics II	45	0	3
MATH 221	Real Analysis for statistics I	45	0	3
MATH 220	Linear algebra II	45	0	3
MATH 314	Numerical Analysis I	45	0	3
	TOTAL	255	30	18
Year 3 Semester 1				
MATH 313	Complex analysis 1	45	0	3
MATH 312	Differential Equations I	45	0	3
STAT 316	Probability and Statistics III	45	0	3
ACTS 311	Actuarial Mathematics II	45	0	3
ACTS 321	Risk Theory for Actuarial Science	45	0	3
MATH 328	Applied Regression Modeling	45	0	3
MATH 320	Calculus III	45	0	3
	Elective I	45	0	3
	SUB TOTAL	300	30	21
Year 3 Semester 2				
MATH 415	Testing of Hypotheses	45	0	3
MATH317	Statistical computing and software application	30	30	3
ACTS 322	Research Methodology	45	0	3
ACTS 323	Stochastic Processes for Actuarial & Finance	45	0	3
STAT 322	Introduction to Time Series Analysis	45	0	3
ACTS 325	Life contingencies I	45	0	3
STAT 324	Probability and Statistics IV	45	0	3
	Elective II	45	0	3
ACTS 324	Practical Attachment			3
	TOTAL	315	60	24
Elective				
STAT 323	Game theory			3
STAT 329	Design and analyses of Experiments I			3
MATH 324	Experiments I			3
STAT 457	Sampling Survey and Methods			3
MATH 316	Decision Theory and Bayesian Inference I			3
	Principles of operations research			
Year 4 Semester 1				
ACTS 411	Financial Reporting and Interpretation of Accounts	45	0	3

ACTS 412	Pensions and Retirement Benefits	45	0	3
ACTS 413	Financial Economics for Actuarial Science	45	0	3
STAT 456	Mathematics of Demographic and graduation	45	0	3
ACTS 414	Actuarial Mathematics III	45	0	3
	Elective III	45	0	3
ACTS 415	Actuarial Science Project I	0	90	3
	TOTAL	270	0	18
Year 4 Semester 2				
ACTS 421	Life Assurance: Theory	45	0	3
ACTS 423	Credibility Theory and Loss Models	45	0	3
ACTS 422	Financial Risk Management	45	0	3
ACTS 424	Non-life Insurance Mathematics	45	0	3
ACTS 425	Life contingencies II	45	0	3
ACTS 426	Actuarial Science Project II		90	3
	TOTAL	225		18
	Elective			
ACTS 511	Research topics in Actuarial Studies			3
ACTS 512				3
STAT 450	Mathematical computing for finance			3
STAT 464	Financial Times Series			3
STAT 446	Decision Theory and Bayesian Inference II			3
	Survival models and analysis			

Bachelor of Science in Computer Science

The program gives the student a strong foundation in each of the various areas of Computer Science including software engineering, computer networks, internet technology, management information systems, computer graphics and multimedia systems.

Minimum Admission Requirements

KCSE C+ with C (plain) in Mathematics, Physics and English; or Diploma in Computer Science or Information Technology with at least Credit Pass.

Expected Learning Outcomes

At the end of this course, the student shall be able to:

1. Apply knowledge and understanding of Computer Science in a computerized environment.
2. Demonstrate knowledge and understanding of Computer Science theory and practice.
3. Demonstrate the ability to apply Computer Science solutions in organizations.
4. Develop the ability to make sound business decisions regarding applications of Computer Science

Graduation Requirements

To qualify for graduation, the student must successfully complete a minimum of 100 credit factors in the courses listed below.

Program Structure

Course Code	Course Title	CF	L	P
Year 1 Semester 1				
MATH 110	Basic Mathematics	3.0	45	0
COMP 110	Introduction to Computers Science	3.0	30	30
COMP 111	Fundamentals of Programming	3.0	30	30
MATH 111	Vector Geometry	3.0	45	0
PHYS 110	Electricity and Magnetism	3.0	30	30
COMS 110	Communication Skills	3.0	45	0

BIBL 110	Old Testament Survey	3.0	45	0
Year 1 Semester 2				
MATH 113	Calculus I	3.0	45	0
PHYS 120	Basic Electronics	3.0	30	30
MATH 123	Introduction to Probability and Statistics	3.0	45	0
COMP 120	Structured Programming	3.0	30	30
COMP 121	Discrete Structures	3.0	30	30
COMP 122	Database Management Systems I	3.0	30	30
BIBL 120	New Testament Survey	3.0	30	30
Year 2 Semester 1				
MATH 211	Geometry and Linear Algebra	3.0	45	0
ENVS 122	HIV and AIDS	3.0	45	0
COMP 210	Data Structures with C	3.0	30	30
COMP 211	Object Oriented Programming with C++	3.0	30	30
COMP 212	Operating Systems	3.0	30	30
COMP 213	Digital Circuit Design	3.0	30	30
BIBL 210	Redemption Story	3.0	45	0
Year 2 Semester 2				
SOCI 100	Introduction to Sociology	3.0	45	0
MATH 312	Ordinary Differential Equations I	3.0	45	0
COMP 220	Assembly Language Programming	3.0	30	30
COMP 221	Data Communication	3.0	30	30
COMP 223	Object Oriented Programming with Java	3.0	30	30
COMP 224	Computer Organization and Architecture	3.0	30	30
BIBL 222	Christian Ethics	3.0	45	0
Year 3 Semester 1				
MATH 314	Numerical Analysis	3.0	45	0
COMP 310	Web Applications Programming	3.0	30	30
COMP 311	Design and Analysis of Algorithms	3.0	30	30
COMP 312	Computer Networks	3.0	30	30
COMP 313	Software Engineering	3.0	45	0
COMP 314	Operations Research	3.0	30	30
BMGT 214	Business Entrepreneurship	3.0	45	0
Year 3 Semester 2				

COMP 320	Object Oriented Analysis and Design	3.0	30	30
COMP 321	Visual Programming	3.0	30	30
COMP 322	Team Project	3.0	0	90
COMP 323	Distributed Systems	3.0	45	0
COMP 324	Database Management Systems II	3.0	30	30
COMP 325	Research Methods in Computer Science	3.0	45	0
COMP 3...	Elective I			
COMP 330	Industrial Internship	4.0	0	120
Elective I				
<i>Software Engineering and Internet Programming</i>				
COMP 340	Mobile Computing	3.0	30	30
OR				
<i>Hardware, Networking and Artificial Intelligence</i>				
COMP 350	Embedded Systems	3.0	30	30
Year 4 Semester 1				
COMP 410	Research Project I	3.0	0	90
COMP 411	Computer Graphics	3.0	30	30
COMP 412	Artificial Intelligence	3.0	30	30
COMP 414	Microprocessor Based Systems	3.0	30	30
COMP 4...	Elective II			
COMP 4...	Elective III			
Elective II				
<i>Software Engineering and Internet Programming</i>				
COMP 441	Client and Server Side Programming	3.0	30	30
OR				
<i>Hardware, Networking and Artificial Intelligence</i>				
COMP 451	Internetworking with TCP/IP	3.0	30	30
AND ONE OTHER ELECTIVE III COURSES				
Elective III				
<i>Software Engineering and Internet Programming</i>				
COMP 442	Advanced web applications programming	3.0	30	30
COMP 443	User interface Design	3.0	30	30
OR				
<i>Hardware, Networking and Artificial Intelligence</i>				

COMP 452	Simulation and modeling	3.0	30	30
COMP 453	Real Time Application	3.0	30	30
Year 4 Semester 2				
COMP 420	Professional Ethics and Information Law	3.0	45	0
COMP 421	Software Quality Management.	3.0	45	0
COMP 422	Research Project II	3.0	0	90
COMP 423	Seminars in Computer Science.	3.0	45	0
COMP 424	Elective IV			
COMP 425	Elective V			
Elective IV				
<i>Software Engineering and Internet Programming</i>				
COMP 444	Rapid application Development Tools	3.0	30	30
OR				
<i>Hardware, Networking and Artificial Intelligence</i>				
COMP 454	Microprocessor Interfacing	3.0	30	30
AND ONE OTHER ELECTIVE V COURSES				
Elective V				
<i>Software Engineering and Internet Programming</i>				
COMP 445	Messaging Systems	3.0	30	30
COMP 446	Compiler Construction	3.0	30	30
OR				
<i>Hardware, Networking and Artificial Intelligence</i>				
COMP 455	Network Security and Cryptography	3.0	30	30
COMP 456	Neural Networks	3.0	30	30

Bachelor of Science in Computer Security and Forensics

The main goal of the programme is to provide students with an in-depth understanding and technical knowledge of how information security functions in an organisation and digital forensics tools. In the process of learning, students interact with IT forensics tools and get tested on real life situations. The programme is aimed at providing students with a combination of knowledge, hands-on experience, and application of theory to computer security. The program keeps pace with changing technology and related business practices by offering courses in areas such as systems analysis, Web applications, several programming languages, computer forensics, data warehouse, cloud computing, security laws and graphical user interface design. The curriculum emphasizes quantitative and communications skills as well as providing a foundation in technology security and business environments. The graduates are expected to qualify for employment as entry-level computer software applications engineers, computer and information systems managers, computer systems analysts, network systems professionals and computer systems software engineers, computer/IT security expert, data security, information security.

Minimum Admission Requirement

KCSE C+ (plus) with C (plain) in Mathematics; OR Diploma in Computer Science/Information Technology or its equivalent with credit pass.

Expected Learning Outcomes

At the end of the program, a graduate of computer security and forensics should have skills to perform the following tasks:

- a) Safe utilization of all technological tools for society development.
- b) Offer training, end user support and consultancy services on computer security & forensics.
- c) Develop customized home grown computer security & data security solutions.
- d) Manage the technological tools concerned the security issues.

Graduation Requirements

To qualify for graduation, students enrolled in the Bachelor of Science in Computer Security and Forensics programme shall pass all courses and complete a total of 171 credit factors with a minimum pass mark of 40% divided as follows:

- a) Common Courses: 12 credit factors
- b) Core Courses: 147 credit factors
- c) Elective course: one Course: 6 credit factors
- d) Industrial attachment: 3 credit factors

Program Structure

YEAR ONE: SEMESTER ONE

Course Code	Course Title	Contact Hours			C.F.
		Lecture	Practical	Total	
COMP 110	Introduction to Computers Science	30	30	45	3.0
COSF 112	Web Programming I	30	30	45	3.0
COSF 113	Introduction to Number Theory	30	30	45	3.0
PHYS 120	Basic Electronics	45	0	45	3.0
MATH 110	Basic Mathematics	45	0	45	3.0
COMS 110	Communication Skills	45	0	45	3.0
BIBL 110	Old Testament Survey	45	0	45	3.0
TOTAL		270	90	315	21

YEAR ONE: SEMESTER TWO

Course Code	Course Title	Contact Hours			C.F.
		Lecture	Practical	Total	
COMP 120	Structured Programming (Introduction Computer Programming with C)	30	30	45	3.0
COSF 122	Discrete mathematics and Logic Design	45	0	45	3.0
INTE 216	Computer Organization & Architectures	30	30	45	3.0
COSF 124	Web Programming II	30	30	45	3.0
COSF 125	Computer Forensics, Law, Ethics and Society	30	30	45	3.0
COMS 120	Communication skill II	45	0	45	3.0
BIBL 120	New Testament Survey	45	0	45	3.0
TOTAL		255	120	315	21

YEAR TWO: SEMESTER ONE

Course Code	Course Title	Contact Hours			C.F.
		Lecture	Practical	Total	
COMP 216	Operating Systems	30	30	45	3.0
COSF 212	Computer Forensics and Criminalistics	30	30	45	3.0
INTE 121	Fundamentals of Database Management systems	30	30	45	3.0
COMP 312	Computer Networks	30	30	45	3.0
COSF 215	Emerging Threats, Attacks and Defences	30	30	45	3.0

MATH 123	Introduction to Probability and Statistics	45	0	45	3.0
BIBL 120	Redemption story	45	0	45	3.0
TOTAL		240	150	315	21

YEAR TWO: SEMESTER TWO

Course Code	Course Title	Contact Hours			C.F.
		Lecture	Practical	Total	
INTE 421	Data Mining and Warehousing	30	30	45	3.0
COSF 222	Information Technology Policy and Strategy	45	0	45	3.0
COMP 215	Object Oriented Programming with C++	30	30	45	3.0
COSF 224	Legal, Ethical Issues and Incident Response in IT Security	45	0	45	3.0
INTE 313	Systems Analysis and Design	30	30	45	3.0
COSF 227	Information Laws of Crime	45	0	45	3.0
BIBLE 222	Christian Ethics	45	0	45	3.0
TOTAL		270	90	315	21

YEAR THREE: SEMESTER ONE

Course Code	Course Title	Contact Hours			C.F.
		Lecture	Practical	Total	
COMP 326	Object Oriented Programming with Java	30	30	45	3.0
COSF 312	Fundamentals of Cryptography and Steganography	45	0	45	3.0
COSF 313	Protocols and Systems for Internet and Web Security	45	0	45	3.0
COSF 314	Mobile Devices and Cybercrime	30	30	45	3.0
COSF 315	Organisation and Project Management	30	30	45	3.0
COSF 316	Software Engineering	30	30	45	3.0
INTE 322	Management Information Systems	30	30	45	3.0
BMGT 414	Business Entrepreneurship	45	0	45	3.0
TOTAL		240	150	315	24

YEAR THREE: SEMESTER TWO

Course Code	Course Title	Contact Hours			C.F.
		Lecture	Practical	Total	
COSF 321	Enterprise Systems Management & Security	30	30	45	3.0
COSF 322	Computer Security, Risk Management and Control	30	30	45	3.0

COSF 323	Team Project	0	45	45	3.0
COSF 324	Wireless Networks and Mobile Computing	30	30	45	3.0
COSF 325	Ethical Hacking and Penetration Testing	30	30	45	3.0
INTE 321	Distributed Systems	30	30	45	3.0
COSF 327	Information Systems Control and Audit	30	30	45	3.0
COSF 328	Industrial Attachment		90	45	3.0
TOTAL		180	225	315	24

YEAR FOUR: SEMESTER ONE

Course Code	Course Title	Contact Hours			C.F.
		Lecture	Practical	Total	
COSF 411	Information Security Policy and Compliance	45	0	45	3.0
COMP 411	Computer Graphics	30	30	45	3.0
COSF 413	Network Management & Security	30	30	45	3.0
COMP 413	Artificial Intelligence	45	0	45	3.0
COSF 415	IT Security Architecture and Design	30	30	45	3.0
COSF 416	Project Proposal		90	45	3.0
Elective 1*					3.0
TOTAL		180*	90*	315	21*

***ELECTIVES:** - Any 1 Electives (Cyber security / Computer Security)

Option 1 (Cyber security)

Course Code	Course Title	Contact Hours			C.F.
		Lecture	Practical	Total	
COSF 41E1	Technology Project Management	30	30	45	3.0
COSF 41E2	Java platform based Security	30	30	45	3.0
COSF 41E3	Technologies in National Cyber-Security	30	30	45	3.0

Option 2 (Cyber security / Computer Security)

Course Code	Course Title	Contact Hours			C.F.
		Lecture	Practical	Total	
COSF 41E4	Forensic Computing Capstone Research	45	0	45	3.0
COSF 41E5	Fraud and Forensic Accounting	45	0	45	3.0
COSF 41E6	Financial Issues in Managing a Secure Operation	45	0	45	3.0

YEAR FOUR: SEMESTER TWO

Course Code	Course Title	Contact Hours	C.F.
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		Lecture	Practical	Total	
COSF 421	Information Warfare	30	30	45	3.0
COSF 422	Research Project	0	45	45	3.0
COSF 423	Secure e-Business	45	0	45	3.0
COSF 424	Cybercrime Investigations	30	30	45	3.0
COSF 425	Biometric Authentication Technologies	30	30	45	3.0
COSF 426	Computer Security Project				3.0
Elective 2*					3.0
TOTAL		135*	135*	315	21*

***ELECTIVES**

Option 1

Course Code	Course Title	Contact Hours			C.F.
		Lecture	Practical	Total	
COSF 42E1	Social Network Computing	30	30	45	3.0
COSF 42E2	HPC Cluster, Virtualization and Cloud Computing	30	30	45	3.0

Option 2

Course Code	Course Title	Contact Hours			C.F.
		Lecture	Practical	Total	
COSF 42E3	Digital Defense: Issues in Security, & Critical Infrastructure Protection	45	0	45	3.0
COSF 42E4	Cybercrime and the Law	45	0	45	3.0
COSF 42E5	Critical Thinking	45	0	45	3.0

Bachelor of Science in Environmental Science

For many centuries, man has continued to draw all his support resources from the environment. By-products of resources use are dumped in the environment. Present knowledge reveals that there are safe levels of carrying capacities, which must not be exceeded. Rapid human population growth places enormous demands on land resources, energy, shelter and living space. Outdoor recreation lacks the right environment partly because of polluted waters, degraded wildlife habitats, sea and lakeshores and deforested watersheds among others. Above all, the laws and policies which are related to protection and utilization of resources are currently inadequate and the existing ones are not fully enforced for sustainability of environmental resources. There is need for trained environmental custodians at all levels. In order to provide safety valves to our production, manage the ecological systems that are highly susceptible to stress and monitor environmental quality, there is need to train environmentalists who are able to provide advisory services on the overall use, conservation and enhancement of environmental quality.

Minimum Requirements for Admission

KCSE C+ with C (plain) in Biology, Chemistry, Geography, and Physics or Mathematics.

Expected Learning Outcomes

Upon successful completion of the programme graduates will be able to:

1. Analyze environmental issues in terms of their business, economic, scientific and technological dimensions.
2. Develop and apply technological solutions in pragmatic, environmentally-sensitive ways
3. Work within existing ethical, legal and regulatory frameworks.
4. Contribute to technological development planning.
5. Support the principles of sustainable development in practical ways, matched to current business and political realities.

Graduation Requirements

To qualify for graduation, the candidate must have taken and passed a minimum of 162 credit factors.

Program Structure

UNIT CODE	COURSE TITLE	LECTURE HOURS	PRACTICAL HOURS	TOTAL HOURS	CREDIT FACTOR
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Y1S1					
COMS 110	Communication Skills I	45	0	45	3
ENVS 100	Principles of Environmental Science	45	0	45	3
BIBL 110	Old Testament Survey	45	0	45	3
MAT 104	Mathematics for Scientist I	45	0	45	3
COMP 100	Introduction to Computers	30	30	45	3
BOTA 100	General Botany	30	30	45	3
ENVS 113	General Inorganic and Physical Chemistry	30	30	45	3
TOTAL		270	90	315	21
Y1S2					
ZOOL 100	General Zoology	30	30	45	3
ENVS 124	General Organic Chemistry	30	30	45	3
COMS 120	Communication Skills II	45	0	45	3
BIBL 120	New Testament Survey	45	0	45	3
MATH 105	Mathematics for Scientist II	45	0	45	3
ENVS 122	HIV and AIDS and Drugs	45	0	45	3
ENVS 125	Environment and Development	30	30	45	3
TOTAL		270	90	315	21
Y2S1					
BIBL 210	Redemption Story	45	0	45	3
ENVS 212	Environmental Chemistry	30	30	45	3
ENVS 213	Environmental Conservation and Management	45	0	45	3
ENVS 214	Human Settlements, Population and Environment	45	0	45	3
ENVS 215	Energy and Environment	45	0	45	3

ENVS 216	Introduction to Environment Economics	45	0	45	3
ENVS 217	Environmental Biology	30	30	45	3
TOTAL		285	60	315	21
Y2S2					
BIBL 222	Christian Ethics	45	0	45	3
ENVS 221	Marine and Coastal Ecology	30	30	45	3
ENVS 223	Global Ecosystems and Environments	30	30	45	3
ENVS 224	Resource Exploitation and Conflict Resolution	45	0	45	3
ENVS 225	Gender, Environment and Development	45	0	45	3
ENVS 226	Biodiversity and Wildlife Management	30	30	45	3
ENVS 227	Environmental Microbiology	30	30	45	3
TOTAL		255	120	315	21
Y3S1					
ENVS 312	Environmental Pollution Monitoring & Control	30	30	45	3
ENVS 313	Environmental Law, Policy & Ethics	45	0	45	3
ENVS 314	Remote Sensing & GIS	30	30	45	3
ENVS 315	Introduction to Biostatistics	45	0	45	3
ENVS 316	Land Use Systems and Classification	45	0	45	3
ELECTIVES					
ENVS 317 ^E	Industrial Management and Environment	30	30	45	3
ENVS 318 ^E	Environmental Analytical Chemistry	30	30	45	3
ENVS 319 ^E	Environmental Forestry and Agroforestry	45	0	45	3
TOTAL		240	90	270	18

Y3S2					
ENVS 321	Renewable Energy	45	0	45	3
ENVS 322	Research Methods	45	0	45	3
ENVS 323	Environmental Impact Assessment and Audit	30	30	45	3
ENVS 324	Liquid and Gaseous Waste Management	45	0	45	3
ENVS 325	Climate Change	45	0	45	3
ELECTIVES					
ENVS 326 ^E	Environmental Analytical Techniques	30	30	45	3
ENVS 327 ^E	Environmental Geology	45	0	45	3
TOTAL		255	60	270	18
ENVS 330	Field Attachment	0	180	90	6
Y4S1					
ENVS 411	Solid Waste and Harzadous Waste Management	45	0	45	3
ENVS 412	Research Project	0	90	45	3
ENVS 413	Disasters, Hazards & Risk Management	45	0	45	3
ENVS 414	Environmental Degradation and Management	45	0	45	3
ENVS 415	Strategic Environmental Assessment and Life Cycle Assessment	30	30	45	3
ELECTIVES					
ENVS 416 ^E	Environment and International Relation	45	0	45	3
ENVS 417 ^E	Ecological Survey and Techniques	45	0	45	3
TOTAL		210	120	270	18
Y4S2					
ENVS 421	Environmental information Systems	30	30	45	3

ENVS 422	Public Health	45	0	45	3
ENVS 423	Water and Sanitation	45	0	45	3
ENVS 424	National Environmental Planning and Management	45	0	45	3
ENVS 425	Environmental Health and Toxicology	30	30	45	3
ELECTIVES					
ENVS 426 ^E	Management of Arid and Semi Arid Environments	45	0	45	3
BMGT 414	Business Management and Entrepreneurship	45	0	45	3
Sub- Total		240	60	270	18
TOTAL		2025	870	2430	162

Bachelor of Science in Information Technology

The programme prepares graduates for employment as computer software applications professionals, computer and information systems managers, computer systems analysts, network systems professionals and computer systems software professionals; as well as for further postgraduate studies in IT and related disciplines.

Minimum Admission Requirements

KCSE C+ with C (plain) in Mathematics or Physics and English; or Diploma in Computer Science or Information Technology with at least Credit Pass.

Expected Learning Outcomes

At the end of the programme, a graduate of Bachelor of Science in Information Technology is expected to:

- 1) Apply the knowledge and understanding of information technology in a computerized environment.
- 2) Apply information technology solutions in organizations.
- 3) Make sound business decisions regarding applications of information technology

Graduation Requirements

To qualify for graduation, students enrolled in the Bachelor of Science in Information Technology programme shall complete a total of 159 credit factors divided as follows:

1. University Common Courses: 18 credit factors
2. Bachelor of Science in IT Core Courses: 129 credit factors
3. Electives: 12 credit factors

Program Structure

YEAR 1 SEM 2				
BIBL 120	New Testament Survey	45	0	3
INTE 121	Fundamentals of Database management systems	30	30	3
INTE 122	Data communication	30	30	3
INTE 123	Data Structures and Algorithms	30	30	3
INTE 124	Structured programming	30	30	3
COMP 122	Discrete Structures	45	0	3

MATH 105	Mathematics for scientists II	45	0	3
COMS 120	Communications skills II	45	0	3
Total CF				21
YEAR 2 SEM 1				
BIBL 210	The Redemption Story	45	0	3
INTE 211	Desktop Applications Programming	30	30	3
INTE 213	Network and Communication Technology	30	30	3
INTE 214	Advanced Database management systems concepts	30	30	3
INTE 215	Object oriented programming with C++	45	0	3
INTE 216	Computer Organization and Architecture	45	0	3
Total CF				21
YEAR 2 SEM 2				
BIBL 220	Comparative Religion	45	0	3
COMP 220	Operating Systems	30	30	3
INTE 221	Web Applications programming	30	30	3
COMP 326	Object Oriented Programming with Java	45	0	3
INTE 223	Assembly Language Programming	30	30	3
MATH 317	Statistics through application	45	0	3
COMP 223	Digital Circuits Design	30	30	3
Total CF				21
YEAR 3 SEM 1				
INTE 311	Computer Graphics Design	30	30	3
INTE 312	Research Methodology	45	0	3
INTE 313	System Analysis and Design	30	30	3
INTE 314	Advanced Internet Programming	30	30	3
INTE 315	E-Commerce	45	0	3
INTE 316	Numerical Analysis and Programming	45	0	3
INTE 317	Organizational Behavior	45	0	3
Total CF				21
YEAR 3 SEM 2				
INTE 321	Distributed systems	30	30	3
INTE 322	Management Information Systems	30	30	3
INTE 323	Software Projects Management	30	30	3
INTE 324	Team project		90	3
INTE 325	Object Oriented Analysis and Design	30	30	3
INTE 326	Software Engineering	30	30	3
INTE 3	Elective I	30	30	3
YEAR 3 SEM 2				
INTE 327	Industrial Attachment		180	6
Total CF				27
Elective I				
Software Engineering and Web Development				

INTE 331	Software Quality Engineering	45	0	3
OR				
Hardware, Networking and Management Information System				
INTE 332	Advanced Hardware concepts	30	30	3
YEAR 4 SEM 1				
INTE 411	Network Administration	30	30	3
INTE 412	Multimedia Systems	30	30	3
INTE 413	Mobile applications programming	30	30	3
COMP 413	Artificial Intelligence	45	0	3
INTE 414	IT Project I		90	3
BMGT 414	Business management & Entrepreneurship	45	0	0
INTE 4	Elective II	30	30	3
INTE 4	Elective III	30	30	3
Total CF				18
ELECTIVE II				
Software Engineering and Web Development				
INTE 431	Software evolution and reengineering	45	0	3
INTE 432	Issues in web designing	30	30	3
OR				
Hardware, Networking and Management Information System				
INTE 441	Advanced Networks	30	30	3
INTE 442	Information System Policy and administration	30	30	3
ELECTIVE III				
Software Engineering and Web Development				
INTE 451	Analysis and design of user interface	45	0	3
INTE 452	Web server management, performance and tuning	30	30	3
OR				
Hardware, Networking and Management Information System				
INTE 453	Computer Hardware and interfacing	30	30	3
INTE 454	Management of Hardware and Information System	30	30	3

YEAR 4 SEM 2				
INTE 421	Data mining and warehousing	45	0	3
INTE 422	IT Security, Audit and Ethics	45	0	3
INTE 423	Business Process Re-engineering	45	0	3
INTE 424	IT Project II		90	3
INTE 4	Elective IV	30	30	3
INTE 4	Elective V	30	30	3
Total CF				18
ELECTIVE IV				
<i>Software Engineering and Web Development</i>				
INTE 461	Formal Methods in Software Engineering	45	0	3
INTE 462	WEB BASED INFORMATION SYSTEM	30	30	3
OR				
<i>Hardware, Networking and Management Information System</i>				
INTE 463	Internetworking Concepts	30	30	3
INTE 464	Business System Design	30	30	3
ELECTIVE V				
<i>Software Engineering and Web Development</i>				
INTE 471	Software Metrics	30	30	3
INTE 472	Scripting Languages	30	30	3
OR				
<i>Hardware, Networking and Management Information System</i>				
INTE 473	Unix and network Programming	30	30	3
INTE 474	Decision Support and Expert Systems	30	30	3
Overall total CF				
				168

Bachelor of Science in Telecommunications

This program aims to produce graduates with:

- 1) A solid grounding in the basics of telecommunication systems and operations.
- 2) A thorough understanding of the many telecommunication technologies used not only in Kenya but all over the world.
- 3) The preparedness of facing and shaping the future of telecommunications in Kenya and beyond.
- 4) Computing and programming skills relevant to the industry and beyond.
- 5) The skills to design new telecommunication products and systems.
- 6) The skills to analyse, configure, man, maintain and install telecommunication systems.
- 7) A holistic understanding of the business, political and legal frameworks that govern the telecommunication industry.
- 8) An insider's view of how telecommunication companies are run and managed and how to make strategic plans in the industry.
- 9) The ability to plan, guide and implement environmentally-aware technological change.

Expected Learning Outcomes

Upon successful completion of the programme, graduates will be able to:

- 1) Differentiate the various technologies used in telecommunications and be in a position to advice on the best telecommunication solutions for various client requirements.
- 2) Design and implement telecommunication networks.
- 3) Analyse telecommunication signals from various transmission modes.
- 4) Install, configure, man and maintain telecommunication systems.
- 5) Combine knowledge gained from various fields for a holistic approach to telecommunications.
- 6) Analyse emerging telecommunication issues in terms of their business, economic, scientific and technological importance.

- 7) Develop and apply technological solutions in pragmatic, environmentally-sensitive ways.

Admission Requirements

KCSE C+ with C (plain) in Mathematics, Physics and English; or Diploma in Computer Science or Information Technology with at least Credit Pass

Program Structure

Academic Year	Semester	Course code	Course title	Contact hours		CF	
				lecture	practical		
Year 1	Semester 1	COMS 110	Communication skills I	45	0	3	
		INTE 111	Introduction to I.T	45	30	3	
		MATH 114	Engineering Maths I	45	0	3	
		BIBL110	Old Testament Survey	45	0	3	
		COMP 111	Fundamentals of programming	45	30	3	
		PHYS 111	Mechanics	45	30	3	
		TLCM 112	Electric circuits	45	30	3	
							21
		Semester 2	PHYS 121	Heat and Thermodynamics	45	30	3
			TLCM 122	Telecommunication fundamentals I	45	30	3
			PHYS 120	Basic Electronics	45	30	3
			BIBL 120	:New Testament Survey	45	0	3
			COMP 120	Structured programming	45	30	3
	MATH 123		Probability and Statistics I	45	0	3	
	COMS 120		Communication skills II	45	0	3	
						21	
Year 2	Semester 1	BIBL 210	Redemption Story	45	0	3	
		MATH 210	Engineering Maths II	45	0	3	
		TLCM 210	Electromagnetism I	45	30	3	
		TLCM 212	Electric Machines	45	30	3	
		COMP	Fundamentals of DBMS	45	30	3	

		213				
		TLCM 213	Analogue electronics	45	30	3
		TLCM 215	Optics	45	30	3
						21
		STUDY TOUR				
	Semester 2	TLCM 220	Digital electronics and Devices	45	30	3
		TLCM 222:	Telecommunication fundamentals II	45	30	3
		TLCM 225:	Wave Theory	45	30	3
		BIBL 220:	Comparative Religion	45	0	3
		TLCM 226:	Materials I	45	30	3
		MATH 223:	Engineering Maths III	45	0	3
		COMP 220	Advanced DBMS	45	30	3
		COMP 221:	Data Communication	45	30	3
						24
Year 3	Semester 1	TLCM 310	Electromagnetism II	45	30	3
		TLCM 311	Communication Systems I	45	30	3
		TLCM 312	Instrumentation Systems	45	30	3
		COMP 312	Computer Networks	45	30	3
		INTE 312	Research Methods I	45	0	3
		MATH 314	Numerical analysis	45	0	3
		TLCM 314/INTE 313	System analysis and Design	45	30	3
		TLCM 315	Unix, C and Shell scripting	45	30	3
		STUDY TOUR				
						24
	Semester 2	TLCM 322:	Materials II	45	30	3
		TLCM 323	Optical fibre communication	45	30	3
		TLCM 321	Engineering Drawing	45	30	3
		MATH	Engineering Maths IV	45	0	3

		320					
		TLCM 320	Transmission lines I	45	30	3	
		TLCM 325	Research Methods II	45	0	3	
		TLCM 324	Microprocessor Systems and Applications I	45	30	3	
						21	
		TLCM 330	INDUSTRIAL ATTACHMENT	180		6	
Year 4	Semester 1	TLCM 410	Transmission lines II	45	30	3	
		TLCM 411	Wireless and GSM	45	30	3	
		TLCM 412	Antennas	45	30	3	
		TLCM 413	Broadband Communications	45	30	3	
		TLCM 414	Power electronics	45	30	3	
		TLCM 415	Research Project	0	90	3	
		TLCM 416	Communication Systems II	45	30	3	
		TLCM 417	Signals and Systems	45	30	3	
						24	
		STUDY TOUR					
	Semester 2	TLCM 415	Research Project	0	90	3	
		TLCM 420.	Management and Operations of Telecommunication Industries	45	0	3	
		TLCM 421	Telecommunications Systems and environment	45	0	3	
		TLCM 422	Digital signal processing	45	30	3	
		TLCM 424	Microprocessor Systems and Applications II	45	30	3	
		TLCM 425	Internet and Multimedia Technology	45	30	3	
		TLCM 426	Microwaves	45	30	21	
		C.F. Total				177	

Diploma in Computer Science

The general purpose of the programme is to produce graduates equipped with the requisite technical, business, and interpersonal skills to meet the challenging and changing requirements of the business community.

Minimum Admission Requirements

KCSE C- (plain) with C in Mathematics and C- in Physics

Expected Learning Outcomes

At the end of the programme, a graduate of Diploma in Computer Science program is expected to:

- 1) Demonstrate proficiency in common office automation tools, commercial IS programming language, visual and structured programming environments and languages, visual and structured system development techniques, database design, operating system management tools (such as scripting), use of web development tools and internet systems development, project management and software QA tools, testing and implementation techniques, problem solving techniques, and multimedia systems/environments
- 2) Demonstrate skills in problem solving, personal effectiveness and communication, team working and team leadership, project management, office automation, structured and visual system specification and development, system testing and implementation, and database design.
- 3) Demonstrate knowledge of graphical user interface design, structured program design, visual program design, database design, distributed application design, networking, concepts of both structured and visual programming, accounting principles and procedures, mathematical concepts, and web site design
- 4) Explain the dynamic nature of business and technology, the limitations and potential of IT/IS for solving business problems, the necessity of quality and standards in developing business information systems, the role of the user in the system development process, and the necessity to constantly update one's knowledge and skills.

Graduation Requirements

To qualify for graduation, students enrolled in the Diploma in Computer Science programme shall complete a total of 65 credit factors divided as follows:

- a) University Common Courses: 6 credit factors
- b) Diploma in Computer Courses: 59 credit factors

Program Structure

Year 1

Semester 1

Course Code	Title	Lecture	Practical	CFs
DCOM 111	PC Applications	30	45	3.0
DCOM 112	Programming I	30	45	3.0
DCOM 113	Digital Systems	30	30	3.0
DCOM 114	Systems Analysis & Design	45	0	3.0
DCOM 115	Discrete Mathematics 1	45	0	3.0
BIBL 110*	Old Testament Survey	30	0	2.0
COMS 110*	Communication Skills	45	0	3.0
<i>Semester Total</i>		255	120	20.0

*University common courses

Semester 2

Course Code	Title	Lecture	Practical	CFs
DCOM 121	Software Development I	30	45	3.0
DCOM 122	System Software	30	30	3.0
DCOM 123	Database Design and Modeling	30	45	3.0
DCOM 124	Programming II	30	45	3.0
DCOM 125	Calculus I	45	0	3.0
DCOM 126	Discrete Mathematics 2	45	0	3.0
<i>Semester Total</i>		210	165	18.0
YEAR TOTAL		465	285	38.0

Year 2

Semester 1

Course Code	Title	Lecture	Practical	CFs
DCOM 211	Software Development II	45	45	3.0
DCOM 212	Visual Software Development	45	45	3.0
DCOM 213	Distributed Systems	30	30	3.0
DCOM 214	Calculus II	45	0	3.0
DCOM 215	Business Computing Mathematics	45	0	3.0
<i>Semester Total</i>		210	120	15.0

Semester 2

<i>Course Code</i>	<i>Title</i>	<i>Lecture</i>	<i>Practical</i>	<i>CFs</i>
DCOM 221	Multimedia Systems	30	30	3.0
DCOM 222	Software Development III	45	45	3.0
DCOM 223	Network Systems	30	30	3.0
DCOM 224	Project	0	90	3.0
<i>Semester Total</i>		105	195	12.0
YEAR TOTAL		315	315	27.0

Diploma in Information Technology

The Diploma in Information Technology provides participants with a strong basic foundation to develop robust application systems for businesses and public organizations. Participants will be equipped with the essential knowledge of business processes and technical skills required to harness the power of information and Internet technologies. Participants will also be able to specify, design and develop effective information systems that fulfill business information needs.

Admission Requirements

KCSE C (plain) with C in Mathematics and C- in Physics

Expected Learning Outcomes

At the end of the program, a graduate of Diploma in Information Technology is expected to:

1. Able to develop the knowledge and skills that you need to work effectively with IT's.
2. Able to explore the technological and human issues behind IT's.
3. Design and develop systems that solve the real world problems.
4. Demonstrate knowledge and skills of computer hardware maintenance, system administration, network design and administration and systems development.

Graduation Requirements

To qualify for graduation, students enrolled in the Diploma in Information Technology program shall complete a total of 76 credits factors.

Program Structure

Year 1, Semester 1

	CF	Lect
DIT 110 Mathematics for Scientists	3	45
DIT 111 Discrete Mathematics and logic design	3	45
DIT 112 Introduction to Information Technology and application software	3	45
DIT 113 Communication & Study Skills	3	45
DIT 114 Old Testament Survey	3	45

Year 1, Semester 2

DIT 120 Data Communications & Networking	3	45
DIT 121 Computer Programming	3	45
DIT 122 Database Design and Modeling	3	45
DIT 123 Computer Organization and Architecture	3	45
DIT 114 Operating Systems	3	45

Year 2, Semester 1

DIT 210 Java Programming	3	45
DIT 211 Network Administration and Management	3	45

DIT 212 Database Administration	3	45
DIT 213 Internet & Information Systems in Organisations	3	45
DIT 124 Visual Software Development	3	45
DIT 215 ATTACHEMENT(AFTER THIS SEMESTER)	3	45

Year 2, Semester 2

DIT 220 Web Based Application Developments	3	45
DIT 221 Developing Business Applications	3	45
DIT 222 Management of Information Systems	3	45
DIT 223 VB/Web Based/Data Base/Java Project	3	45

Certificate in Information Technology

The general purpose of the program is to produce professionals equipped with the requisite technical, business and interpersonal skills to meet the emerging needs of the IT and business communities.

Minimum Admission Requirements

KCSE D- (Minus)

Expected Learning Outcomes

At the end of the program, a graduate of Certificate in Information Technology is expected to:

1. Develop the knowledge and skills that you need to work effectively with ITs.
2. Explore the technological and human issues behind ITs.
3. Design and develop systems that solve the real world problems.
4. Demonstrate knowledge and skills of computer hardware maintenance, system administration, network design and administration and systems development.

Graduation Requirements

To qualify for graduation, students enrolled in the Certificate in Information Technology program shall complete a total of 14 credit factors.

Program Structure

Semester 1

Course code	Title	Lecture	Practical	CFs
CIT 110	Information Technology Essentials	30	30	3.0
CIT 111	Computer Applications	30	30	3.0
CIT 112	Discrete Mathematics	30	30	3.0
CIT 113	Computational Thinking	30	30	3.0
CIT 114	Entrepreneurship	45	0	3.0
Semester Total		150	120	15

Semester 2

Course code	Title	Lecture	Practical	CFs
CIT 120	Network Fundamentals	30	30	3.0
CIT 121	Object Oriented Programming with .NET	30	30	3.0
CIT 122	Markup and Scripting Languages	30	30	3.0
CIT 123	Operating Systems	30	30	3.0
CIT 124	Database Management Systems	30	30	3.0
	<i>Semester Total</i>	150	120	15
	<i>Certificate Total</i>	300	240	30

Certificate in Environmental Impact Assessment and Audit

Rationale of the program

The National Environmental Management Authority (NEMA) has formulated EIA and EA regulations in Legal Notice No. 101 of June 2003. These regulations clearly spell out the importance of Environmental Impact Assessment (EIA) and EA. The successful implementation of EIA and EA regulations depends on the availability of a pool of experts who are capable of carrying out Environmental Impact Assessment and Environmental Auditing. Recently, many organizations and individuals have approached the Department of Environmental Science with request to be trained on short courses on Environmental Impact Assessment and Environmental Auditing. This short course certificate curriculum is therefore intended for those individuals who are already working in industries and other Organisation and needs an exposure on Environmental Impact Assessment and Environmental Auditing.

Goal of the Program

To train and produce individuals who are equipped with knowledge and skills necessary for carrying out an Environmental Impact Assessment and Auditing. The main objectives are:

- (i) To train people who will be work in industry and research institutions.
- (ii) To train experts who will qualify for registration by NEMA as experts.
- (iii) To train people who can help integrating environmental issues with development

Minimum Entry Requirements

Entry requirement is a degree in any science based, Law and developmental Studies

Topics Covered

Topic 1: Introduction to EIA and EA (3 hours)

Topic 2: Policy, Legal and administrative framework for EIA/EA in Kenya (3 hours)

Topic 3: Stakeholder and public participation in EIA/EA (3 hours)

Topic 4: Environmental Economics (3 hours)

Topic 5: Environmental Management Systems Standards and practices (3 hours)

- Topic 6: Environmental information systems for EIA/EA (3 hours)
- Topics 7: EIA methods (6 hours)
- Topic 8: Environmental auditing (6 hours)
- Topic 9: Strategic Environmental Assessment (3 hours)
- Topic 10: EIA/EA Report writing (3 hours)
- Topic 11: EIA/EA project report (3 hours)
- Topic 12: Review and decision-making process (3 hours)
- Topic 13: Environmental and Management Plan (3 hours)
- Topic 14: EIA/EA Project Management (3 hours)
- Topic 15: Social Impact Assessment (SIA) (3 hours)
- Topic 16: Industrial Ecology (3 hours)
- Topic 17: Occupational Health & Safety Management (3 hours)
- Topic 18: Mainstreaming EIA/EA in organizations (3 hours)
- Topic 19: Multilateral Environmental Agreements and EIA (5 hours)
- Topic 20: Site Visits and Practicals (15 hours)

Kabarak University Moral Code

As members of Kabarak University family, we purpose at all times and in all places, to set apart in one's heart, Jesus as Lord. (1 Peter 3:15)



Kabarak University is ISO 9001:2015 Certified