

Third Trimester		CR	HR	CR	HR	CR	HR
MEDC 331	Introduction to Clinical Techniques			1	45	1	45
MEDP 332	Pathology of Digestive System, Nutrition and Metabolic Disorders	3	45	2	90	5	135
MEDP 333	Pathology of Cardio Respiratory system	2	30	2	90	4	120
MEDB 334	Research Methods & Proposal Writing			1	45	1	45
MEDB 335	Basic Pharmacology & toxicology	2	45	1	45	3	75
<b>SUB-TOTAL</b>						<b>14</b>	<b>420</b>
<b>TOTAL CREDIT HOURS FOR YEAR 3</b>						<b>46</b>	<b>1395</b>

FOURTH YEAR	SUBJECT CODE	COURSE TITLE	LECTURES		PRACTICALS		TOTALS	
			CR	HR	CR	HR	CR	HR
<b>Trimesters 1,2,3</b>								
MEDB 401	Gender and Health		3	45			3	45
MEDB 402	Pharmacology and Therapeutics		4	60	-	-	4	60
MEDB 403	Radiology and Imaging		1	15	3	135	4	150
MEDC 404	Junior Clerkship in Child Health Paediatrics		2	30	4	180	6	210
MEDC 405	Junior Clerkship in Reproductive Health		2	30	4	180	6	210
MEDC 406	Junior Clerkship in Internal Medicine		2	30	4	180	6	210
MEDC 407	Junior Clerkship in Surgery		2	30	4	180	6	210
MEDC 408	Junior Clerkship in Mental Health		2	30	4	180	6	210
MEDB 409	Research project		1	15	2	90	3	105
<b>TOTAL CREDIT HOUR FOR YEAR 4</b>						<b>44</b>	<b>1310</b>	

FIFTH YEAR	SUBJECT CODE	COURSE TITLE	LECTURES		PRACTICALS		TOTALS		
			CR	HR	CR	HR	CR	HR	
<b>Trimesters 1,2,3</b>									
MEDB 501	Environmental Health, Occupational Health and Safety		2	30	2	90	4	120	
MEDC 502	Anesthesiology and Critical Care		1	15	3	135	4	150	
MEDC 503	Oral Health and Dentistry		1	15	3	135	4	150	
MEDC 504	Dermatology and Sexually Transmitted Diseases		1	15	3	135	4	150	
MEDC 505	Ear, Nose, Throat, Head & Neck		1	15	3	135	4	150	
MEDC 506	Ophthalmology		1	15	3	135	4	150	
MEDC 507	Orthopaedic & Traumatology		1	15	3	135	4	150	
MEDM 508	Leadership and Health Services Management		3	45			3	45	
MEDC 509	District Health Services Attachment		1	15	5	225	6	240	
MEDC 510	Elective					6	270	6	270
<b>TOTAL CREDIT HOURS FOR YEAR 5</b>						<b>43</b>	<b>1455</b>		

SIXTH YEAR	SUBJECT CODE	COURSE TITLE	LECTURES		PRACTICALS		TOTALS	
			CR	HR	CR	HR	CR	HR
<b>Trimesters 1,2,3</b>								
MEDB 601	Medical Ethics and Professional Conduct		3	45	-	-	3	45
MEDC 602	Forensic Medicine, Toxicology & Jurisprudence		2	30	2	90	4	120
MEDB 603	Continuous Quality Improvement in Health Care		2	30	1	45	3	75
MEDC 604	Senior Clerkships in Child Health & Paediatrics		2	30	4	180	6	210
MEDC 605	Senior Clerkships in Reproductive Health		2	30	4	180	6	210
MEDC 606	Senior Clerkships in Internal Medicine		2	30	4	180	6	210
MEDC 607	Senior Clerkships in Surgery		2	30	4	180	6	210
MEDC 608	Senior Clerkships in Mental Health		2	30	5	225	7	255
MEDM 609	Medical Entrepreneurship		2	30			2	30
<b>TOTAL CREDIT HOURS FOR YEAR 6</b>						<b>42</b>	<b>1320</b>	
<b>GRAND TOTAL CREDIT HOURS FOR YEAR 1 TO 6</b>						<b>273</b>	<b>8079</b>	

### Application Procedure

Application forms are available at all our Campuses - Main Campus - Meru, Nairobi, Mombasa, Nakuru and Nyeri and in all our centres - Marimanti, Maua and Meru Town

You can also download the application forms from the University website [www.kemu.ac.ke](http://www.kemu.ac.ke).

A non-Refundable fee of Ksh 1000 for East Africans and US\$ 20 for non-East Africans will be charged.

**For more information please contact:**

*The Academic Registrar- Main Campus.*

#### Main Campus, Meru

P.O. Box 267- 60200, Meru, Kenya

Tel: : 020 - 2118423/4/5/6/7 , 0724 - 256 162, 0734 - 310 655

[info@kemu.ac.ke](mailto:info@kemu.ac.ke) Fax: 064 - 30162

#### Nairobi Campus KeMU Hub

P.O. Box 45240- 00100, Nairobi, Kenya

Tel: 020 - 2247987/2248172, 0725 - 751 878, 0735 - 701 311

[nairobicampus@kemu.ac.ke](mailto:nairobicampus@kemu.ac.ke) Fax: 020 - 248160

#### Nakuru Campus: Mache Plaza

P.O. Box 3654 - 20100, Nakuru, Kenya

Tel: 051-2214456 Fax: 2215314

[info@kemu.ac.ke](mailto:info@kemu.ac.ke)

#### Marimanti Centre: Methodist Rural Training Centre

P.O. Box 22 - 60215, Marimanti, Kenya

Tel: : 020 - 2118423/4/5/6/7, 0724 256 162, 0734 - 310 655

Fax: 064 -30162, [info@kemu.ac.ke](mailto:info@kemu.ac.ke)

#### Mombasa Campus: P.O. Box 89983 - 80100,

Mombasa, Kenya Tel: 041 - 2495945/8

0715 120 282, 0731 190 932 [info@kemu.ac.ke](mailto:info@kemu.ac.ke)

#### Nyeri Campus: Rware Building

P. O. Box 2285 - 10140, Nyeri , Kenya

Tel: 061- 2032904, 020 - 2118441, 0700-739 988, 0733 601 884

Fax: 061 - 2034100

#### Maua Centre: Maua Methodist Hospital Sacco Building

P.O. Box 267 - 60200, Meru, Kenya

Tel: 020 - 2118439, [info@kemu.ac.ke](mailto:info@kemu.ac.ke)

#### Meru Town Centre: P.O. Box 267 - 60200, Meru, Kenya

Tel: 064 - 31814 , 0718 767 060

[info@kemu.ac.ke](mailto:info@kemu.ac.ke)



# KeMU

Kenya Methodist University

*The future is here*



## Bachelor of Medicine and Bachelor of Surgery (MBCHB)

# Bachelor of Medicine and Bachelor of Surgery (MBCHB)

## About the programme

The goal of the program is to prepare medical doctors with the necessary knowledge, skills and attitudes essential for meeting the health care needs of individuals, families, communities and populations.

This program will equip doctors with competences required to appropriately manage health challenges and provide leadership in health service provision to ameliorate the national/referral health needs as outlined in the Kenyan National Health Policy Framework (2006) and the National Health Sector Strategic Plan II (2007-2012). It is also in line and relevant to Kenya's Vision 2030 and will contribute to Kenya's efforts to achieve the United Nations Millennium Development Goals.

## Expected Learning Outcomes

At the end of the MBChB programme, the graduates shall be able to:

- Demonstrate knowledge of the relevant biomedical and social sciences.
- Demonstrate high standards of professional integrity and ethics in the practice of medicine.
- Demonstrate an understanding of and sensitivity to diversity in health care delivery.
- Demonstrate competency in the practice of preventive, promotive and rehabilitative medicine.
- Apply principles of continuous quality improvement in health service provision.
- Demonstrate ability to conduct research
- Apply research findings in health service delivery
- Demonstrate effective leadership and change management in health service delivery

## Minimum admission requirements

1. K.C.S.E. B (plain) and in addition at least grade B in Mathematics, Biology, Chemistry and English.

### OR

2. Advanced Level Holders: A minimum of 2 Principal Passes in Biology and Chemistry, and a subsidiary pass in either Mathematics or Physics or equivalent

### OR

3. Diploma in Medical/Health Sciences holders: A minimum "0" level Division II pass or C+ (plus) Mean Grade and credit pass C+ (plus) in the cluster subjects in K.C.S.E. in addition to at least a credit pass in the subsequent professional qualifications from a recognized medical training institution or equivalent

### OR

4. Holders of any degree in Biological Sciences or Equivalent qualifications from a recognized University. In addition they should have attained a minimum of C+ (plus) in Chemistry in K.C.S.E or equivalent

## Mode of Delivery of the Programme

The program will be conducted on Full Time basis and shall extend over a period of six (6) years. In the preclinical years, a lot of emphasis will be laid on acquisition of practical skills in laboratory work and anatomical dissections.

## Duration for the program

The duration of the Bachelor of Medicine and Bachelor of Surgery (MBChB) degree programme shall extend over a period of not less than six and not more than ten academic years. Years 1-2 may be regarded as the pre-clinical years and years 3-6 as the clinical years.

## Course Structure

		Third Trimester	CR	CR	HR	CR	HR
MEDB 131	Structure and Functions of the Skin and its Appendages		1	1	45	2	60
MEDB 132	Upper and Lower Limb Anatomy		1	3	135	4	150
MEDB 133	Anatomy, Physiology, and Biochemistry of Cardio-Respiratory System		1	3	135	4	150
MEDB 134	Anatomy, Physiology, and Biochemistry of Endocrine System		1	3	135	4	150
<b>SUB-TOTAL CREDIT HOURS</b>						14	510
<b>TOTAL CREDIT HOURS FOR YEAR 1</b>						52	1305

SECOND YEAR	SUBJECT CODE	COURSE TITLE	LECTURES	PRACTICALS			TOTALS	
			CR	CR	HR	CR	HR	
<b>First Trimester</b>								
MEDB 211	Anatomy, Physiology, and Biochemistry of Digestive system, nutrition & metabolism		3	4	180	7	225	
MEDB 212	Medical microbiology I		2	2	90	4	120	
MEDB 213	Clinical Nutrition and Dietetics		2	1	45	3	75	
<b>SUB-TOTAL</b>						14	420	
<b>Second Trimester</b>			<b>CR</b>	<b>CR</b>	<b>HR</b>	<b>CR</b>	<b>HR</b>	
HSMU 111	Communication Skills for Health Workers		2	1	45	3	75	
MEDB 222	Medical microbiology II		2	2	90	4	120	
MEDB 223	Anatomy, Physiology, and Biochemistry of Neuro- locomotor System		3	5	225	8	270	
<b>SUB-TOTAL</b>						15	465	
<b>Third Trimester</b>			<b>CR</b>	<b>CR</b>	<b>HR</b>	<b>CR</b>	<b>HR</b>	
MEDB 231	Behavioural Sciences and Ethics		3	-	-	3	45	
MEDB 232	Anatomy, Physiology, and Biochemistry of Reproductive & Urinary systems		2	3	135	5	165	
MEDM 233	Fundamentals of Management		2	-	-	2	30	
MEDB 234	Community Health and Community Diagnosis		2	4	180	6	210	
<b>SUB-TOTAL</b>						16	405	
<b>TOTAL CREDIT HOURS FOR YEAR 2</b>						45	1290	

## YEAR OF STUDY

FIRST YEAR	SUBJECT CODE	COURSE TITLE	LECTURES	PRACTICALS		TOTALS	
			CR	CR	HR	CR	HR
<b>First Trimester</b>							
COMM 111	Communication Skills		3	-	-	3	45
THEO 111	Christian Beliefs		3	-	-	3	45
COMP 100	Introduction to Computer Skills		3	-	-	3	45
MEDB 111	Basics of Medical Education		1	-	-	1	15
MEDB 112	Basic Life Support		1	1	45	2	60
HSCI 225	HIV/AIDS		3	-	-	3	45
HSMU 112	Critical Thinking and Academic Writing		3	-	-	3	45
SOST 115	Science Society and Ethics		2	-	-	2	30
<b>SUB-TOTAL CREDIT HOURS</b>						20	330
<b>Second Trimester</b>			<b>CR</b>	<b>CR</b>	<b>HR</b>	<b>CR</b>	<b>HR</b>
NRSB 111	Nursing skills/ Fundamentals of Nursing		2	2	90	4	120
MEDB 121	Basics of Biomedical Sciences		2	1	45	3	75
MEDB 122	Cell and Tissue Biology, Genetics, Embryology and Cell Physiology		2	1	45	3	75
MEDB 123	Body Fluids, Blood and Immune Mechanism		2	2	90	4	120
MEDB 124	Epidemiology, demography & biostatistics		4	-	-	4	60
<b>SUB-TOTAL CREDIT HOURS</b>						18	450

THIRD YEAR	SUBJECT CODE	COURSE TITLE	LECTURES	PRACTICALS			TOTALS	
			CR	HR	CR	HR	CR	HR
<b>First Trimester</b>								
MEDC 311	Introduction to Clinical Techniques and the Practice of Family/General Medicine		2	30	1	45	3	75
MEDP 312	General Pathology		2	30	2	90	4	120
MEDB 313	Immunology		2	30	1	45	3	75
MEDP 314	Chemical Pathology		2	30	1	45	3	75
MEDP 315	Pathology of Endocrine disorders		2	30	1	45	3	75
MEDB 316	Research Methods & Proposal Writing		1	15	1	45	1	60
<b>SUB -TOTAL</b>						16	465	
<b>Second Trimester</b>			<b>CR</b>	<b>HR</b>	<b>CR</b>	<b>HR</b>	<b>CR</b>	<b>HR</b>
MEDC 321	Introduction to Clinical Techniques				1	45	1	45
MEDB 322	Haematology and Blood Transfusion		2	30	2	90	4	120
MEDP 323	Pathology of Neuro-locomotor Systems		2	30	2	90	4	120
MEDP 324	Pathology of Bone, connective tissue and skin		2	30	1	45	3	75
MEDB 325	Research Methods & Proposal Writing				1	45	1	45
MEDP 326	Pathology of Reproductive & urinary systems		1	15	2	90	3	105
<b>SUB-TOTAL</b>						16	510	