



**UNIVERSITY OF NIGERIA
ACADEMIC PROGRAMME**

FACULTY OF MEDICAL SCIENCES

Faculty Information for M.B., B.S. Programme

The Faculty of Medical Sciences and Dentistry offers a six year academic programme towards the M.B., B.S. Professional degree for students admitted by entrance (JME) examination, 5-year programme for students admitted by direct entry. The constituent Departments of the Faculty offer the courses leading to this single professional degree.

Philosophy, Scope and Objectives of the Programme

The objective of the M.B., B.S. degree programme is to prepare students for a career in all spheres of Medicine - academic, research, general and specialist patient care, and administration. As a result, the programme aims at providing the students with a broad and sound scientific and professional foundation for the practice of medicine in any part of Nigeria or the world. The scope and content of the programme is such that the medical graduates should be competent to either practice on their own in any part of Nigeria, urban and rural, or undertake postgraduate training in local or foreign institutions. They should be conversant with standard clinical methods for the assessment of patients, be able to analyse all available data and use them to constitute an appropriate plan of action.

Admission Requirement

Candidates are admitted into the Faculty for the M.B., B.S. programme either through the entrance mode (JME) or as direct entry students for a 6-year or 5-year programme, respectively. In addition to the University minimum entry requirements, the entrance candidates are expected to have credit passes in English Language, Physics, Chemistry, Biology and Mathematics in the Senior Secondary School final examinations or the School Certificate (SC)/General Certificate of Education (GCE) at Ordinary level in one sitting. Direct entry candidates, in addition to satisfying the above requirements, should have three (3) Advanced Level passes in Physics, Chemistry and Biology/ Zoology, in one sitting.

Job Opportunity

Successful graduates of the M.B., B.S. degree programme are well equipped (after housemanship) for careers in Government hospitals, private practice, teaching and research in Universities or Research Institutes and Administration. They are also qualified for post-graduate training anywhere in the world.

Surgical Separation of Siamese Twins

No birth defects have stirred the minds of people with such intensity and amazement as the birth of conjoined twins (Siamese twins). Most conjoined twins are still born, products of miscarriages, or victims of traditional rituals. The apparent incidence is recorded as 1 per 50,000 to 60,000 births. As of date 400 conjoined twins have either still joined or surgically separated in the entire world. Within the period, 1987 to 1991, a team of surgeons, anaesthetists, and nurses at the University of Nigeria Teaching Hospital embarked on the surgical separation of 3 different sets of conjoined twins namely - Pygopagus (joined by the buttocks), Craniopagus (joined by the head) and Ischiopagus (joined by the pelvis).

The Pygopagus twins was amongst a set of female triplets born (16 November, 1987) by spontaneous vaginal delivery. This birth procedure is outrightly condemned as it is engraved with high mortality for both mother and offspring. Delivery of all conjoined twins must be made by planned elective Caesarian section. Pre-natal diagnosis must be made by means of ultrasound scan, Radiology and other available investigations. At the age of 51 days, the conjoined pair were surgically separated (on 8 January, 1988). The babies (all three) are now about 13 years. The surgical success stems from adequate pre-operative study of the union and shared organs; efficient operative and post-operative management.

The Craniopagus pair (born on 9 March 1989) were surgically separated and reconstructed on 6 June, 1989 but the babies died shortly after surgery. This was a total vertical Craniopagus with an extensive fronto-parieto-occipito-temporal union. They shared an abnormal circumferential and cerebral sinus for which the surgical world has not recorded a success.

The Ischiopagus conjoined twins (born on 28 January, 1990) lived together for about one year before surgery (on 7 January, 1991). One baby died 6 hours and the other 5 weeks after surgery. In addition to other organs, they shared a single liver, pericardium and abdominal aorta. The unavailability of parental nutrition reduced their

chances of survival.

First Year

First Semester

BIO	101	Genetics for Medical Students	2
BIO	151	General Biology 1	3
CHEM	101	Basic Practical Chemistry 1	2
CHEM	171	Basic Practical Chemistry	2
PHY	101	General Physics for Life Sciences 1	2
PHY	191	Practical Physics 1	2
GS	101	Use of English	2
GS	103	Social Sciences I	2
MTH	111	Elementary Mathematics I	3
MTH	112	Elementary Mathematics II	3
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Second Semester

BIO	152	General Biology II	3
BIO	153	General Biology (Practical)	2
CHEM	111	Basic Principles of Chemistry II	2
CHEM	121	Basic Principles of Chemistry III	2
PHY	102	General Physics for Life Sciences II	2
PHY	103	General Physics for Life Sciences III	2
GS	102	Use of English II	2
GS	104	Social Sciences II	2
ZOO	121	Basic Parasitology	2
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Second Year

First Semester

ANAT	201	Gross Anatomy I	6
ANAT	203	Embryology and Genetics	1
ANAT	205	Histology and Histochemistry	2
BIC	201	Introduction to Biochemistry	2
BIC	202	Chemistry of Biochemistry	2
PYS	201	General Principles and Blood and Body Fluids	2
PYS	202	Muscles, Nerves and Autonomic Nervous System	2
PHIL	131	Introduction to Logic I	2
GS	207	Humanities I	2
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Second Semester

ANAT	202	Gross Anatomy II	6
ANAT	204	Embryology and Genetics	1
ANAT	206	Histology and Histochemistry	2
BIO	203	Bioenergetics and Metabolism	3
PYS	203	Renal and GI Physiology	3
PYS	204	Cardiovascular and Respiratory Physiology	3
PHIL	132	Symbolic Logic	2
GS	208	Humanities II	2
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Third Year

First Semester

ANAT	301	Gross Anatomy	4
ANAT	302	Embryology and Genetics	1
ANAT	303	Histology and Histochemistry	1
BIC	301	Nutritional Biochemistry	2
BIC	302	Special Topics in Biochemistry	3
PYS	301	Endocrinology and Reproductive Physiology	2
PYS	302	Neurophysiology	2
PYS	303	Special Senses	1
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Second Semester

PHA	301	General Pharmacology	2
PHA	302	Systemic Pharmacology	2
MIC	301	Bacteriology	2

MIC	302	Virology	1
CPY	303	Mycology	1
CPY	301	Clinical Chemistry	2
CPY	303	Practical Laboratory Work	1
PAT	301	General Pathology	1
HEM	301	Basic Immunology	3
MED	301	Introduction to Clinical Medicine	2
MED	302	Cardiology I	2
MED	304	Respiratory Medicine I	2
MED	305	Gastroenterology	2
MED	306	Clinical Haematology	2
MED	307	Metabolic Disorders and Endocrine	1
MED	308	Neurology I	1
MED	309	Nephrology I	1
MED	310	Diagnostic Radiology in Medical Practice	1
SUG	301	Introduction to Clinical Surgery	1
SUG	302	General Surgery	3
SUG	303	Congenital Abn. and Endocrine Surgery	3
SUG	304	GI Surgery	3
SUG	305	Urology	2
SUG	306	Plastic Surgery and Burns	2
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Fourth Year

First Semester

PHA	401	Antimicrobial, Antifungal, Antiviral, Antiprotozoal Agents	2
PHA	403	Drugs Acting on the CNS	2
PHA	405	Practicals and Demonstrations	1
MIC	401	Medical Protozoology	1
MIC	402	Practical Protozoology	1
MIC	403	Medical Helminthology	2
MIC	404	Applied Medical Microbiology	1
MIC	405	Medical Entomology	1
CPY	401	Clinical Chemistry	1
CPY	402	Human Nutrition	2
CPY	403	Practical Laboratory	2
HEM	401	General Haematology	1
HEM	402	Blood Transfusion	1
HEM	403	Practical Haematology	2
PAT	401	System Pathology	3
PAT	402	Histopathology	2
PAT	403	Forensic Medicine	2
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Second Semester

PHA	402	Chemotherapy of Malignant Diseases	1
PHA	404	Special Topics	2
PHA	406	Practicals and Demonstrations	1
OBG	401	Introductory Gynaecology	3
OBG	402	Gynaecology Clinics	3
PAE	410	Introduction to Paediatrics	3
PAE	402	Nutrition, Growth and Development	2
PAE	403	Child Health and Primary Care	2
PAE	404	Diseases of the Cardiovascular and Respiratory Systems	2
PAE	405	Diseases of Digestive & Genito-Urinary Systems	2
COM	401	Introduction to Medical Statistics	1
COM	402	Human Ecology/Medical Sociology	1
COM	403	Health Statistics and Demography	1
COM	404	Research Methods in Public Health	2
COM	405	Introduction to Community Health	2
COM	406	Integrated Community Health Lectures and Endemic Diseases Clinic	2
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Fifth Year*First Semester*

PHA	501	Clinical Pharmacology in Paediatrics/Obstetrics	2
OBG	501	Reproductive Physiology	1
OBG	502	Labour Puerperium and the Neonate	3
OBG	503	Obstetrics Clinic	8
OBG	504	Special Topics (OBG)	2
OBG	505	Special Clinics (OBG)	2
PAE	501	Endocrine and Metabolic Diseases	1
PAE	502	Diseases of the Nervous System, Muscles and Bones	1
PAE	503	Diseases of Blood	1
PAE	504	Specific Infections and Genetics	1
PAE	505	Paediatrics Oncology	1
PAE	506	Neonatology	1
COM	502	Integrated Clinical Teaching and Public Health Tutorials	2
COM	503	Computers in Medicine	1
COM	504	Primary Health Care Posting	8
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Second Semester

ANE	501	Resuscitation Principles and Practice of Anaesth.	2
ANE	502	Clinicals in Anaesthesiology	2
SUG	505	E.N.T	2
SUG	506	Ophthalmology	2
MED	507	Orthopaedics	2
MED	503	Dermatovenerology	2
MED	502	Psychiatry	2
RAG	501	Tutorials in Radiology	2
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Sixth Year*First Semester*

MED	601	Cardiology II	1
MED	602	Respiratory Medicine II	1
MED	603	Gastroenterology II	1
MED	604	Nephrology II	1
MED	605	Rheumatology and Rehabilitation	1
MED	606	Clinical Immunology	1
MED	607	Neurology II	1
MED	608	Tropical Medicine and Infections	2
SUG	601	Solid Tumours and Other Neoplasms	2
SUG	602	Cardiothoracic and Vascular Surgery	2
SUG	603	Paediatric Surgery	2
SUG	604	Neurosurgery	2
MED	609	Therapeutics of Common Medical and Surgical Disorders (Department of Pharmacology and Therapeutics)	1
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Second Semester

MED	610	Medical Ethics and Jurisprudence	2
MED	611	Special Topics in Medicine	2
MED	612	Medical Herbs (Department of Pharm, and Therapeutics)	1
SUG	605	Special Topics in Surgery	3
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