

Bachelor of Medicine (MBBS)

Introduction

The curriculum of the Medicine program in **Al-Madain College for Medical Sciences and Technology (ACMST)** is an outcome / competency- based medical education model: an outcomes-based approach to the design, implementation, assessment of learners, and the evaluation of medical education programs, using an organizing framework of competencies

Vision:

To excel an internationally recognized medical education program through utilization of modern technology, evidence-based practice and research encouragement. The learning activities will be in a direct link to the community demands so that active participation in providing solutions to the community problems will be achieved. Lifelong learning and fulfillment of patient's expectations is the target of the graduate.

Mission:

To upgrade health education and service through a holistic approach in solving health problems, and to have an active input in refining the level of national healthcare and medical services by providing enthusiastic, altruistic and highly professional graduate.

Values:

- Promotion of self-learning attitudes among students.
- Encouraging high ethical conduct and Altruism
- Promotion of leadership development
- Enhancing teamwork building.
- Insure relevance of the community needs.
- Respect of cultural diversity.
- Encouraging innovation and creativity.
- Conduct high Excellency, credibility and responsibility.
- Promotion of continuous learning.
- Encouraging piety & self-accountability.
- Promotion of social responsibility.

Objectives

The objectives of the program are:

1. To expand the scope of the medical graduate to be self-learner, researcher and community leader.
2. To enrich the attitudes of relevance among the medical graduates so that they can contribute in promotion of healthcare in Sudan.
3. To focus in faculty development to be reflected on improving the quality of the graduates.
4. To promote the quality of research in the medical field and application of the outcomes in both curative and protective domains of health services.
5. To promote community health services and health education.

Learning outcomes

The graduate is expected to:

1. Perform diagnoses and management of all common medical surgical, pediatric, obstetric and gynecological problems at the level of individuals, families and the communities.
2. Apply the medical ethics in his practice.
3. Practice medicine using a broad approach in solving health problems with environmental and community orientation.
4. Be able to utilize available resources at all levels in his practice
5. Able to work effectively in a multidisciplinary team
6. Pursue self-learning leading promoting his professional skills and competences.
7. Deal with all types of health emergencies.
8. Contribute in health education at different levels.
9. Conducting scientific researches relevant to the community development and health needs.
10. Be skilled in publications and scientific reporting.

Study Plan

1st Year Semester One

Year	Semester	Module Name	Code	Credit Hours
1	1	Arabic language-1	MARA.111	2 (2+0)
		Islamic studies -1	MIS.112	2 (2+0)
		English language-1	MENG.113	2 (2+0)
		Physics and mathematics	MPM.114	3(2+1)
		Computer Science	MCS.115	4(2+2)
		Sudanese studies	MSS.116	2 (2+0)
		Human Biology (Cells & molecules)	MBIO.117	3(2+1)
		Chemistry	MCHE.118	3(2+1)
Total				21

1st Year Semester Two

Year	Semester	Module Name	Code	Credit Hours
1	2	Arabic language -2	MARA.221	2 (2+0)
		Islamic studies -2	MIS.222	2 (2+0)
		English language -2	MENG.223	2 (2+0)
		Homeostasis	MHS.224	3(2+1)
		Respiratory system	MCVS.225	3(2+1)
		Cardiovascular system & Circulation	MRS.226	3(2+1)
		Blood and immune system	MBIS227	3(2+1)
		Biochemistry	MBIO.228	3 (2+1)
		Introduction to Medicine	MCOM.229	2(2+0)
Total				23

2nd Year Semester Three

Year	Semester	Module Name	Code	Credit Hours
2	3	Arabic language -3	MARA.231	2 (2+0)
		Islamic studies -3	MIS.232	2 (2+0)
		English language -3	MENG.233	2 (2+0)
		Human Growth & Development	MHGD234	3 (3+0)
		Gastrointestinal tract	MGIT. 235	3(2+1)
		Urinary system	MUS.236	3 (2+1)
		Reproductive tract	MRT.237	3 (2+1)
		Nutrition and metabolism	MNM.238	4(3+1)
		Health Management, Leadership & health economics	MCOM.249	1(1+0)
Total				23

2nd Year Semester Four

Year	Semester	Module Name	Code	Credit Hours
2	4	Musculoskeletal system	MMSK.241	4 (2+2)
		Endocrine system	MENS. 242	3(2+1)
		Introduction to Genetics	M.IG243	3(2+1)
		Psychology & Sociology	MPS244	2(2+0)
		Principles of epidemiology, biostatistics & research methodology)	MCOM.245	3(3+0)
		Communication skills	MCS246	2(2+0)
		Medicine (integrated basic clinical skills I)	MMED.247	3 (2+1)
		Surgery (Integrated basic clinical skills I)	MSUR.248	3 (2+1)
Total				23

3rd Year Semester Five

Year	Semester	Module Name	Code	Credit Hours
3	5	Human nervous system	MHNS.341	4 (3+1)
		Head and neck anatomy	MHNA.342	3(2+1)
		Special Senses	MSS333	2(2+0)
		Behavioral science	MBS344	3 (2+1)
		Pathology	MPAT.355	3 (2+1)
		Microbiology	MMIC.356	4 (2+1)
		Pharmacology	MPH.357	3 (2+1)
		Environmental , Occupational health& Medical Entomology	MCOM.358	2 (2+0)
Total				24

3rd Year Semester Six

Year	Semester	Module Name	Code	Credit Hours
3	6	Pathology	MPAT.361	4 (3+1)
		Microbiology	MMIC.362	3 (2+1)
		Pharmacology	MPH.363	3 (2+1)
		Forensic medicine	MFM.364	2 (1+1)
		Communicable & non-communicable disease	MCOM.365	2 (1.5+0.5)
		PHC&School Health	MCOM.366	2 (1.5+0.5)
		Medicine (integrated basic clinical skill II)	MMED.367	3 (2+1)
		Surgery (Integrated basic clinical skills II)	MSUR.368	3 (2+1)
Total				22

4th Year Semester Seven

Year	Semester	Module Name	Code	Credit Hours
4	7	Medical ethics & Professionalism	METPM 471	1(1+0)
		Forensic medicine	MF.M. 472	2 (1+1)
		Medicine	MMED.473	6 (4+2)
		Surgery	MSUR.474	6 (4+2)
		Pediatrics	MPED.475	4(2+2)
		Obstetrics & Gynecology	MOBG.476	4(2+2)
Total				23

4th Year Semester Eight

Year	Semester	Module Name	Code	Credit Hours
4	8	Research Methodology Project	MCOM.481	4 (0+4)
		Medicine	MMED.482	6 (4+2)
		Surgery	MSUR.483	6 (4+2)
		Pediatrics	MPED.484	4(2+2)
		Obstetrics & Gynecology	MOBG.485	4(2+2)
Total				24

5th Year Semester Nine

Year	Semester	Module Name	Code	Credit Hours
5	9	Medicine	MMED.591	6 (4+2)
		Surgery	MSUR.592	6 (4+2)
		Pediatrics	MPED.593	4(2+2)
		Obstetrics & Gynecology	MOBG.594	4(2+2)
Total				20

5th Year Semester Ten

Year	Semester	Module Name	Code	Credit Hours
5	10	Medicine	MMED.5101	6 (4+2)
		Surgery	MSUR.5102	6 (4+2)
		Pediatrics	MPED.5103	4(2+2)
		Obstetrics & Gynecology	MOBG.5104	4(2+2)
Total				20