

Transfusion Medicine & Stem Cells

Program

College of Medicine

MBS

This program focusses on principles of transfusion medicine, red blood cell biochemistry, basic genetics, stem cells transplantation and biology. It involves an introduction to quality management systems and their applications in the blood transfusion process. In addition, the program aims to strengthen the principles of research and presentation skills (oral and written presentation skills), as well as to improve the clinical practice.

Credit Hours Required for a Master of Biomedical Sciences Embryology & Reproductive Biology (MBS)

Types of Courses	Compulsory	Elective	Total
Core	9	-	9
Subject	15	-	15
Thesis	18	-	18
Free Electives	-	-	-
Total	42	-	42

Core Courses

Item #	Title	Credits
REC 502	Biostatistics	3
REC 503	Research Methodologies	3
REC 504	Biomedical Ethics	3

Subject Courses

Item #	Title	Credits
MBS 554	Transfusion Medicine and Blood Banking	
MBS 555	Molecular Diagnostics in Blood Transfusion	
MBS 556	Stem Cell Transplantation Technology	
MBS 557	Pathogenesis of Blood Disorders	
MBS 558	Quality Management and Laboratory Accreditation	

Thesis

Item #	Title	Credits
MBS 600	Thesis A	9
MBS 600	Thesis B	9
		42

Semester 1

Item #	Title	Credits
REC 502	Biostatistics	3
REC 504	Biomedical Ethics	3
MBS 554	Transfusion Medicine and Blood Banking	
MBS 555	Molecular Diagnostics in Blood Transfusion	

Semester 2

Item #	Title	Credits
REC 503	Research Methodologies	3
MBS 556	Stem Cell Transplantation Technology	
MBS 557	Pathogenesis of Blood Disorders	
MBA 558	Value Innovation Strategy	3

Semester 3

Item #	Title	Credits
MBS 600	Thesis A	9

Semester 4

Item #	Title	Credits
MBS 600	Thesis B	9