Yarmouk University
Admission and Registration Department

Academic study plans

Admission Year	2023	Program	Master
Plan Type	Thesis	Semester	First
Hours	9	Item Type	Department Elective
Group NO	1	**Max Regestration hrs**	9
Faculty	Hijjawi For Engineering Technology		
Department	Biomedical Systems and Informatics Engineering		
Special Department	Biomedical Systems and Informatics Engineering		
Gender	BOTH		

Course code	Course Name	hrs	Prerequisite Course	Equivalent Course	Teaching Method
BME 632	Advanced biomedical Signal Processing	3		( )	Blended
BME 634	Advanced Medical Image Processing	3		( )	Blended
BME 636	Statistical Signal Processing and Estimation Theory	3		( )	Blended
BME 638	Medical Imaging Simulation and Modeling	3		( )	Blended
BME 642	Biomedical Data Management and Analysis	3		( )	Blended
BME 644	Advanced Algorithms in Computational Biology	3		( )	Blended
BME 646	Advanced Biomedical Informatics Programming	3		( )	Blended
BME 648	Advanced Machine Learning in Biomedical Informatics	3		( )	Blended
BME 652	Biomedical Applications of Micromachining	3		( )	Blended
BME 654	Biomedical Optics	3		( )	Blended
BME 656	Embedded Systems Design	3		( )	Blended
BME 658	Advanced Bioinstrumentation	3		( )	Blended

Academic study plans

Admission Year	2023	Program	Master
Plan Type	Thesis	Semester	First
Hours	25	Item Type	Department Mandatory
Group NO	1	**Max Regestration hrs**	25
Faculty	Hijjawi For Engineering Technology		
Department	Biomedical Systems and Informatics Engineering		
Special Department	Biomedical Systems and Informatics Engineering		
Gender	BOTH		

Course code	Course Name	hrs	Prerequisite Course	Equivalent Course	Teaching Method
BME 610	Computational Methods in Biology and Medicine	3		( )	Blended
BME 612	Advanced Biomaterials	3		( )	Normal
BME 614	Mathematical and Statistical Applications in Biomedical Engineering	3		( )	Blended
BME 616	Advanced Biosignals Measurements	3		(CPE 653)	Normal
BME 618	Biomedical Signal and Image Processing applications	3		( )	Blended
BME 690	Seminar (Department direction)	1		( )	Blended
BME 699A	Master Thesis	0		( )	Normal
BME 699B	Master Thesis	3		( )	Normal
BME 699C	Master Thesis	6		( )	Normal
BME 699D	Master Thesis	9		( )	Normal