

Master Degree in Biomedical Devices

1720700 - Department of Biomedical Engineering

Admission Requirements: Graduate students with a B.Sc. of Engineering or its equivalent.

Core Courses (21 Cr): 1720701, 1720702, 1720703, 1720704, 1720705, 1720706, 1720712

Elective Courses (9 Cr): 1720707, 1720708, 1720709, 1720710, 1720711, 1720713, 1720714,

1720717, 1720718

M.Sc. Thesis: 8 Cr.

Code	Name	Hourse/ Week		
		Theoretical	Practical	Total Cr
1720701	Introduction to Biomedical Engineering	3	2	4
1720702	Bioelectric Phenomena	2	2	3
1720703	Biomedical Sensors	2	2	3
1720704	Biomedical Signal Analysis	2	2	3
1720705	Diagnostic Imaging	2	2	3
1720706	Medical Instruments and Devices	2	2	3
1720712	Technical Report Writing and Presentation Skills	2	-	2
		15	12	21
Elective Courses (9 Cr)				
1720707	Prosthesis and Artifical Organs	2	2	3
1720708	Physiological Modeling, Simulation and Control	2	2	3
1720709	Clinical Neurophysiology	2	2	3
1720710	Intensive Care Engineering	2	2	3
1720711	Medical Informatics	2	2	3
1720713	Ethical Issues Associated with the use of Medical Technology	2	2	3
1720714	Design of Experiments	2	2	3
1720717	Security Systems	2	2	3
1720718	Artificial Intelligence and Machine Learning	2	2	3