



## Course arrangement Biomedical Engineering

### Courses offered in Biomedical Engineering, First Semester, for Biomedical Engineering Students

#### Students with a Bachelor's degree in Biomedical Engineering

No.	Course Name	Theoretical Credits	Practical Credits	Total Credits	Course Type	Description
1	Digital Image Processing	3		3	Elective	
2	Digital Signal Processing	3		3	Compensatory	
3	Physiological Systems Modeling	3		3	Compulsory	
4	Medical Imaging Systems and Methods	3		3	Compulsory	
5	Clinical Engineering Laboratory 1		1	1	Compulsory	
6	Medical Information Systems	0.5	0.5	1	Compensatory	
	<b>Total Credits</b>			<b>14</b>		



### Students with a Bachelor's degree in Electrical Engineering

No.	Course Name	Theoretical Credits	Practical Credits	Total Credits	Course Type	Description
1	Digital Image Processing	3		3	Elective	
2	Physiology and Anatomy	3		3	Compensatory	
3	Physiological Systems Modeling	3		3	Compulsory	
4	Medical Imaging Systems and Methods	3		3	Compulsory	
5	Clinical Engineering Laboratory 1		1	1	Compulsory	
6	Medical Information Systems	0.5	0.5	1	Compensatory	
	<b>Total Credits</b>			<b>14</b>		



### Courses offered in Biomedical Engineering, Second Semester, for Biomedical Engineering Students

No.	Course Name	Theoretical Credits	Practical Credits	Total Credits	Course Type
1	Biological Signal Processing	3		3	
2	Medical Instrumentation	2		2	
3	Clinical Engineering Lab		1	1	
4	Pattern Recognition	3		3	
5	Special Topics	3		3	
6	Research Methods	2		2	
	<b>Total Credits</b>			<b>14</b>	



## Courses offered in Biomedical Engineering, Third Semester, for Biomedical Engineering Students

### Students with a Bachelor's degree in Biomedical Engineering

No.	Course Name	Theoretical Credits	Practical Credits	Total Credits	Course Type	Description
1	Principles of Presenting Papers in English	2		2	Compensatory	
2	Seminar		2	2	Compulsory	
3	Internship		2	2	Compulsory	
4	Thesis			6	Compulsory	
	<b>Total Credits</b>			<b>12</b>		



### Students with a Bachelor's degree in Electrical Engineering

No.	Course Name	Theoretical Credits	Practical Credits	Total Credits	Course Type	Description
1	Hospital Equipment	2		2		
2	Principles of Presenting Papers in English	2		2	Compensatory	
3	Seminar		2	2	Compulsory	
4	Internship		2	2	Compulsory	
5	Thesis			6	Compulsory	
	<b>Total Credits</b>			<b>14</b>		