

Biomedical Engineering by Research

Curriculum when starting in winter semester

Module / Subject	Modul typ (mandatory / elective)	Module performance (form, duration and details are defined in the module tables)	Regular Semester				Total ECTS	Weight	Modul- Description
			1	2	3	4			
			WiSe	SuSe	WiSe	SuSe			
			ECTS	ECTS	ECTS	ECTS			
Basic Studies									
Signal Processing and AI for Biomedical Engineering	P	MPL	5				5	5	201388
Controll Engineering	P	MPL	5				5	5	200007
Medical Image Processing 2	P	MPL		5			5	5	201264
Microwave Sensing in Medicine	P	MPL	5				5	5	201270
Research Skills	P	MSL	5				5	0	200036
Scientific Work	P	MSL		5			5	0	201265
Advanced Studies									
Selection of modules from the current catalogue	W	6 MPL	5	20	5		30	30	
Individual Studies							25		
Internship BME	W	MSL			15		15	0	201333
Individual Research Project	W	MPL			15		15	15	201266
Group Research Project	P	MPL			10		10	10	201262
Soft Skills							5	0	
Diversity and Integration Course for International Students or a course with similar content offered by the Central Institute for Education (ZIB)	W		1						
General German as a foreign language (depending on prior knowledge, A1.1 - C1)	W		4						
Master´s Thesis							30		
Master´s Thesis with Colloquium BME	P	MPL				30		30	Master´s Thesis w
Summe LP			30	30	30	30	120		

Curriculum when starting in summer semester

Module / Subject	Modul typ (mandatory / elective)	Module performance (form, duration and details are defined in the module tables)	Regular Semester				Total ECTS	Weight	Modul Description
			1	2	3	4			
			SuSe	WiSe	SuSe	WiSe			
			ECTS	ECTS	ECTS	ECTS			
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Signal Processing and AI for Biomedical Engineering	P	MPL		5			5	5	201388
Controll Engineering	P	MPL		5			5	5	200007
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Internship BME	W	MSL			15		15	0	201333
Individual Research Project	W	MPL			15		15	15	201266
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Master´s Thesis							30		
Master´s Thesis with Colloquium BME	P	MPL				30		30	Master´s Thesis w
Summe LP			30	30	30	30	120		

Legend

MPL Modul Examination
MSL Modul Achievement

ECTS Credit Points
P Mandatory Modul
W Elective Modul