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MSBME Study Path (2021 Cohort)

Full-time Normal Study Path via **Taught Courses** (1 Year)

(Taking a load of ≥12 CUs / semester)

Yr.	Sem.	Courses				
11.	A	BME6101 Manufacturing of Biomedical Devices (3CUs) BME6111 Biomedical Instrumentation (3CUs)		BME5110 Biomedical Engineering Design # Or Elective course (3CUs) Elective courses (3CUs) Elective course (3CUs)		- 12 or 15
	В	BME6005 Micro Systems Technology (3CUs)	BME6121 Biomechanics (3 CUs)	Elective course (3CUs) Elective courses [®] : a) BME6114 Advanced Control Systems b) BME6115 Biorobotics c) BME6118 Biomedical Imaging and Biopl d) BME6135 Engineering Principles for Dru		12 or 15
	S	Elective course: BME6138 Robotics in Minimally Invasive Healthcare (3CUs) <pre></pre>				

Total CUs = 30

Remarks:

- () number of credit units
- # Recommended for students who do not have biomedical engineering/science or bioengineering background.
- $^\Delta$ $\;\;$ Recommended for students who have biomedical engineering/science or bioengineering background.
- @ Courses list may change subject to changes in the programme and/or demand for individual courses.

MSBME Study Path (2021 Cohort)

Full-time Normal Study Path via **Dissertation** (1 Year)

(Taking a load of \geq 12 or 15 CUs / semester)

Dissertation is also recommended to students who plan to graduate at the end of Summer Term.

Yr.	Sem.		Courses				CUs	
	A	BME6101	BME6111		E5110	BME6117 Biomedical Safety and Risk	Risk	
		Manufacturing of	Biomedical	Biomedical Eng	gineering Design #	Assessment ^{\Delta}		
		Biomedical Devices	Instrumentation		or	or		
		(3CUs)	(3CUs)			Elective course		
				(3CUs) (3CUs)			12	
				Elective courses [@] :			or	
				a) BME5110 Biomedical Engineering Design			15	
				b) BME6117 Biomedical Safety and Risk Assessment				
				c) BME5111 Regenerative Medicine				
				d) BME6022 Project Development Studye) BME6123 Flexible Bioelectronics for Medical Applications				
				f) BME6136 Advanced Biomaterials for Healthcare and Biomedical Applications				
1			BME6005	BME6121	Elective course	Elective course		
			Micro Systems	Biomechanics	(3CUs)	(3CUs)		
	В	BME6008	Technology	(3 CUs)	Elective courses [@] :		12	
		Dissertation	(3 CUs)			ced Control Systems	or	
		(6 CUs)	(6 CUs)		1 '	BME6115 Biorobotics		
					c) BME6118 Biome	dical Imaging and Biophotonics	15	
					d) BME6135 Engine	eering Principles for Drug Delivery		
		+					3	
	S	(2CU ₀)	Elective course: BME6138 Robotics in Minimally Invasive Healthcare (3CUs)				or	
		(3CUs)		<pre><pending approval="" for=""></pending></pre>				
							0	

Total CUs = 30

Remarks:

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MSBME Study Path (2021 Cohort)

Part-time Normal Study Path via **Taught Courses** (2 Years)

(Taking a load of ≤ 9 CUs / semester)

Students are required to complete the five core courses plus (i) five electives OR (ii) dissertation + two electives. The advice is not to take more than 11 credit units in a semester.

Yr.	Sem.	Courses			CUs		
1	A	BME6101	BME6111	BME5110	9		
		Manufacturing of Biomedical	Biomedical Instrumentation	Biomedical Engineering Design #			
		Devices	(3CUs)	Or			
		(3CUs)		BME6117			
				Biomedical Safety and Risk Assessment ^A			
	В	BME6005	BME6121	Elective course	9		
		Micro Systems Technology	Biomechanics	(3CUs)			
		(3CUs)	(3 CUs)				
2	A	Elective course	Elective course		6		
		(3CUs)	(3CUs)				
	В	Elective course Elective course					
		(3CUs) (3CUs)					
Elective	courses in	n Semester A [@] :					
a) BM	IE5110 Bio	omedical Engineering Design; b) BME6	117 Biomedical Safety and Risk Assessn	nent; c) BME5111 Regenerative Medicine; d)			
BME6022 Project Development Study; e) BME6123 Flexible Bioelectronics for Medical Applications; f) BME6136 Advanced Biomaterials for							
Healthcare and Biomedical Applications							
Elective	Elective courses in Semester B @:						

a) BME6114 Advanced Control Systems; b) BME6115 Biorobotics; c) BME6118 Biomedical Imaging and Biophotonics; d) BME6135 Engineering

Total CUs = 30

Remarks:

() number of credit units

Principles for Drug Delivery

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MSBME Study Path (2021 Cohort)

Part-time Normal Study Path via **Dissertation** (1.5 Years)

(Taking a load of $\leq 11 \text{ CUs / semester}$)

Yr.	Sem.			CUs		
	A	BME6101	BME6111	BMI	E5110	9
		Manufacturing of Biomedical	Biomedical Instrumentation	Biomedical Eng	ineering Design #	
		Devices	(3CUs)	(Or	
		(3CUs) BME6117		E6117		
				Biomedical Safety a	nd Risk Assessment ^Δ	
	В	BME6005	BME6121		BME6008	11
1		Micro Systems Technology	Biomechanics	Elective course	Dissertation	
1		(3CUs)	(3 CUs)	(3CUs)	(2 CUs)	
		Elective course DME	6129 Dobotics in Minimally Investiga	Healthage (2CHa)		2 (
	S Elective course: BME6138 Robotics in Minimally Invasive Healthcare (3CUs) <pre></pre>				+	3 or 6
			(3 CUs)			
2	A	Elective course			+	4 or 7
			(4CUs)	7 01 /		
			Maximum 6 semesters			
Elective	courses in	Semester A [@] :				
b) BME5110 Biomedical Engineering Design; b) BME6117 Biomedical Safety and Risk Assessment; c) BME5111 Regenerative Medicine; d)						
BME6022 Project Development Study; e) BME6123 Flexible Bioelectronics for Medical Applications; f) BME6136 Advanced Biomaterials for						
Healthcare and Biomedical Applications						
Elective courses in Semester B @:						
a) BM	E6114 Ad	vanced Control Systems; b) BME6	5115 Biorobotics; c) BME6118 Biom	edical Imaging and Biophotonic	cs; d) BME6135 Engineering	

Total CUs = 30

Remarks:

() number of credit units

Principles for Drug Delivery

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