

MSBME Study Path (2022 Cohort)  
Full-time Normal Study Path via **Taught Courses** (1 Year)

Yr.	Sem.	Courses					CU's
1	A	BME6101 Manufacturing of Biomedical Devices (3CUs)	BME6111 Biomedical Instrumentation (3CUs)	BME5110 Biomedical Engineering Design <sup>#</sup> <i>or</i> Elective course (3CUs)	BME6117 Biomedical Safety and Risk Assessment <sup>Δ</sup> <i>or</i> Elective course (3CUs)	Elective course (3CUs)	15
	<u>Elective courses</u> <sup>@</sup> : a) BME5110 Biomedical Engineering Design b) BME6117 Biomedical Safety and Risk Assessment c) BME5111 Regenerative Medicine d) BME6123 Flexible Bioelectronics for Medical Applications e) BME6136 Advanced Biomaterials for Healthcare and Biomedical Applications						
	B	BME6005 Micro Systems Technology (3CUs)	BME6121 Biomechanics (3 CUs)	Elective course (3CUs)	Elective course (3CUs)		12 or 15
<u>Elective courses</u> <sup>@</sup> : a) BME6114 Advanced Control Systems b) BME6115 Biorobotics c) BME6118 Biomedical Imaging and Biophotonics d) BME6135 Engineering Principles for Drug Delivery							
S	Elective course: BME6138 Robotics in Minimally Invasive Healthcare (3CUs)					0 or 3	
<b>Total CUs =</b>						<b>30</b>	

Remarks:

( ) number of credit units

# Assigned for students who do not have biomedical engineering/science or bioengineering background.

Δ Assigned 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 (2022 Cohort)  
Full-time Normal Study Path via **Dissertation** (1 Year)

Yr.	Sem.	Courses					CU's
1	A	BME6101 Manufacturing of Biomedical Devices (3CUs)	BME6111 Biomedical Instrumentation (3CUs)	BME5110 Biomedical Engineering Design # <i>or</i> Elective course (3CUs)	BME6117 Biomedical Safety and Risk Assessment <sup>Δ</sup> <i>or</i> Elective course (3CUs)	Elective course (3CUs)	15
	<u>Elective courses</u> <sup>@</sup> : a) BME5110 Biomedical Engineering Design b) BME6117 Biomedical Safety and Risk Assessment c) BME5111 Regenerative Medicine d) BME6123 Flexible Bioelectronics for Medical Applications e) BME6136 Advanced Biomaterials for Healthcare and Biomedical Applications						
	B	BME6008 Dissertation (6 CUs)	BME6005 Micro Systems Technology (3 CUs)	BME6121 Biomechanics (3 CUs)	Elective course (3CUs)	Elective course (3CUs)	12
<u>Elective courses</u> <sup>@</sup> : a) BME6114 Advanced Control Systems b) BME6115 Biorobotics c) BME6118 Biomedical Imaging and Biophotonics d) BME6135 Engineering Principles for Drug Delivery							
S	+	(3CUs)				3	
<b>Total CUs =</b>						<b>30</b>	

Remarks:

- ( ) number of credit units
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MSBME Study Path (2022 Cohort)

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

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			CU's
1	A	BME6101 Manufacturing of Biomedical Devices (3CU's)	BME6111 Biomedical Instrumentation (3CU's)	BME5110 Biomedical Engineering Design # <i>Or</i> BME6117 Biomedical Safety and Risk Assessment Δ (3CU's)	9
	B	BME6005 Micro Systems Technology (3CU's)	BME6121 Biomechanics (3 CU's)	Elective course (3CU's)	9
2	A	Elective course (3CU's)	Elective course (3CU's)		6
	B	Elective course (3CU's)	Elective course (3CU's)		6
<p><u>Elective courses in Semester A</u> @:</p> <p>a) BME5110 Biomedical Engineering Design; b) BME6117 Biomedical Safety and Risk Assessment; c) BME5111 Regenerative Medicine; d) BME6123 Flexible Bioelectronics for Medical Applications; e) BME6136 Advanced Biomaterials for Healthcare and Biomedical Applications</p> <p><u>Elective courses in Semester B</u> @:</p> <p>a) BME6114 Advanced Control Systems; b) BME6115 Biorobotics; c) BME6118 Biomedical Imaging and Biophotonics; d) BME6135 Engineering Principles for Drug Delivery</p>					
<b>Total CU's =</b>					<b>30</b>

Remarks:

- ( ) number of credit units
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- Δ Assigned for students who have biomedical engineering/science or bioengineering background.
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MSBME Study Path (2022 Cohort)  
Part-time Normal Study Path via **Dissertation** (1.5 Years)

Yr.	Sem.	Courses			CU's	
1	A	BME6101 Manufacturing of Biomedical Devices (3CUs)	BME6111 Biomedical Instrumentation (3CUs)	BME5110 Biomedical Engineering Design # <i>Or</i> BME6117 Biomedical Safety and Risk Assessment Δ (3CUs)		9
	B	BME6005 Micro Systems Technology (3CUs)	BME6121 Biomechanics (3 CUs)	Elective course (3CUs)	BME6008 Dissertation (2 CUs)  + (3 CUs)	11
	S	Elective course: BME6138 Robotics in Minimally Invasive Healthcare (3CUs)				3 or 6
2	A	Elective course (3CUs)			+ (4CUs) <i>Maximum 6 semesters</i>	4 or 7
<u>Elective courses in Semester A</u> @: a) BME5110 Biomedical Engineering Design; b) BME6117 Biomedical Safety and Risk Assessment; c) BME5111 Regenerative Medicine; d) BME6123 Flexible Bioelectronics for Medical Applications; e) BME6136 Advanced Biomaterials for Healthcare and Biomedical Applications <u>Elective courses in Semester B</u> @: a) BME6114 Advanced Control Systems; b) BME6115 Biorobotics; c) BME6118 Biomedical Imaging and Biophotonics; d) BME6135 Engineering Principles for Drug Delivery						
<b>Total CUs =</b>					<b>30</b>	

Remarks:

- ( ) number of credit units
- # Assigned for students who do not have biomedical engineering/science or bioengineering background.
- Δ Assigned 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.