

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				CUs
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 ^Δ <i>or</i> Elective course (3CUs)	12 or 15
		<u>Elective courses</u> [@] : a) 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				
	B	BME6005 Micro Systems Technology (3CUs)	BME6121 Biomechanics (3 CUs)	Elective course (3CUs)	Elective course (3CUs)	12 or 15
		<u>Elective courses</u> [@] : 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) <i><pending for approval></i>				0 or 3

Total CUs = 30

Remarks:

- () number of credit units
- # Recommended for students who do not have biomedical engineering/science or bioengineering background.
- Δ 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 ≥ 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
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 ^Δ <i>or</i> Elective course (3CUs)	12 or 15
	Elective courses [@] : a) 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					
	B	BME6008 Dissertation (6 CUs)	BME6005 Micro Systems Technology (3 CUs)	BME6121 Biomechanics (3 CUs)	Elective course (3CUs) Elective course [@] : a) BME6114 Advanced Control Systems b) BME6115 Biorobotics c) BME6118 Biomedical Imaging and Biophotonics d) BME6135 Engineering Principles for Drug Delivery	12 or 15
S	+	Elective course: BME6138 Robotics in Minimally Invasive Healthcare (3CUs) <i><pending for approval></i>			3 or 0	

Total CUs = 30

Remarks:

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- Δ Recommended for students who have biomedical engineering/science or bioengineering background.
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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 Manufacturing of Biomedical Devices (3CUs)	BME6111 Biomedical Instrumentation (3CUs)	BME5110 Biomedical Engineering Design # <i>Or</i> BME6117 Biomedical Safety and Risk Assessment Δ	9
	B	BME6005 Micro Systems Technology (3CUs)	BME6121 Biomechanics (3 CUs)	Elective course (3CUs)	9
2	A	Elective course (3CUs)	Elective course (3CUs)		6
	B	Elective course (3CUs)	Elective course (3CUs)		6
<u>Elective courses in Semester A</u> [@] : a) 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 <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					

Total CUs = 30

Remarks:

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MSBME Study Path (2021 Cohort)
Part-time Normal Study Path via **Dissertation** (1.5 Years)
(Taking a load of ≤ 11 CUs / semester)

Yr.	Sem.	Courses			CUs
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	9
	B	BME6005 Micro Systems Technology (3CUs)	BME6121 Biomechanics (3 CUs)	Elective course (3CUs)	11
	S	Elective course: BME6138 Robotics in Minimally Invasive Healthcare (3CUs) <pending for approval>		+ (3 CUs)	
2	A	Elective course (3CUs)		+ (4CUs) <i>Maximum 6 semesters</i>	4 or 7
<p><u>Elective courses in Semester A</u> $^{\circledast}$:</p> <p>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</p> <p><u>Elective courses in Semester B</u> $^{\circledast}$:</p> <p>a) BME6114 Advanced Control Systems; b) BME6115 Biorobotics; c) BME6118 Biomedical Imaging and Biophotonics; d) BME6135 Engineering Principles for Drug Delivery</p>					

Total CUs = 30

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- # Recommended for students who do not have biomedical engineering/science or bioengineering background.
- Δ Recommended for students who have biomedical engineering/science or bioengineering background.
- $^{\circledast}$ Courses list may change subject to changes in the programme and/or demand for individual courses.