

MSBME Study Path (2019 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)	Elective course (3CUs)	Elective course (3CUs)	15
	Take any 2 courses from: (a) BME5111 Regenerative Medicine (b) BME6022 Project Development Study (c) BME6121 Biomechanics (c) MNE6007 Advanced Automation Technology (d) MNE6110 Mechanical Behaviour of Materials: From Metallic to Biomedical/ Biological Materials (e) MNE6119 Electron Microscopy						
	B	BME6005 Micro Systems Technology (3CUs)	BME6118 Biomedical Photonics (3CUs)	BME6117 Biomedical Safety and Risk Assessment ^Δ <i>or</i> Elective course (3CUs)	Elective course (3CUs)	Elective course (3CUs)	15
Take any 2/3 courses from: (a) BME6115 Biorobotics (b) BME6122 Physiological Modeling (c) BME6123 Flexible Bioelectronics for Medical Applications (d) MNE6046 Nano-Manufacturing							

Total CUs = 30

Note 1: () number of credit units

Note 2: # 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.

MSBME Study Path (2019 Cohort)
Full-time Normal Study Path via Dissertation (1 Year)
(Taking a load of ≥ 12 CUs / semester)

Students are strongly recommended to take dissertation as their elective to complete the programme in 1 year as follows:

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)	12
	Take any 1/2 courses from: (a) BME5111 Regenerative Medicine (b) BME6022 Project Development Study (c) BME6121 Biomechanics (d) MNE6007 Advanced Automation Technology (e) MNE6110 Mechanical Behaviour of Materials: From Metallic to Biomedical/ Biological Materials (f) MNE6119 Electron Microscopy				
	B	BME6005 Micro Systems Technology (3CUs)	BME6118 Biomedical Photonics (3CUs)	BME6117 Biomedical Safety and Risk Assessment Δ <i>or</i> Elective course (3CUs)	BME6008 Dissertation (6CUs) + (3CUs)
S				3	

Total CUs = 30

Note 1: () number of credit units

Note 2: # 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.

MSBME Study Path (2019 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 + one elective + Project Development Study (elective). 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> Elective course (3CUs)	9
	B	BME6005 Micro Systems Technology (3CUs)	BME6118 Biomedical Photonics (3CUs)	BME6117 Biomedical Safety and Risk Assessment ^Δ <i>or</i> 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) BME5111 Regenerative Medicine; (b) BME6022 Project Development Study; (c) BME6121 Biomechanics; (d) MNE6007 Advanced Automation Technology; (e) MNE6110 Mechanical Behaviour of Materials: From Metallic to Biomedical/Biological Materials; (f) MNE6119 Electron Microscopy <u>Elective courses in Semester B:</u> (a) BME6115 Biorobotics; (b) BME6122 Physiological Modeling; (c) BME6123 Flexible Bioelectronics for Medical Applications; (d) MNE6046 Nano-Manufacturing					

Total CUs = 30

Note 1: () number of credit units

Note 2: [#] 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.

Note 3: Courses list may change subject to changes in the programme and/or demand for individual courses.

MSBME Study Path (2019 Cohort)
Part-time Normal Study Path via Dissertation (1.5 Years)
(Taking a load of ≤ 11 CUs / semester)

If students select dissertation as their elective, they can complete the programme as follows:

Yr.	Sem.	Courses				CUs
1	A	BME6101 Manufacturing of Biomedical Devices (3CUs)	BME6111 Biomedical Instrumentation (3CUs)	BME5110 Biomedical Engineering Design # or Elective course (3CUs)		9
	B	BME6005 Micro Systems Technology (3CUs)	BME6118 Biomedical Photonics (3CUs)	BME6117 Biomedical Safety and Risk Assessment ^Δ or Elective course (3CUs)	BME6008 Dissertation (2CUs) + (3CUs) + (4CUs)	11
	S					3
2	A	Elective course (3CUs)				7
<p><u>Elective courses in Semester A:</u> (a) BME5111 Regenerative Medicine; (b) BME6022 Project Development Study; (c) BME6121 Biomechanics; (d) MNE6007 Advanced Automation Technology; (e) MNE6110 Mechanical Behaviour of Materials: From Metallic to Biomedical/ Biological Materials; (f) MNE6119 Electron Microscopy</p> <p><u>Elective courses in Semester B:</u> (a) BME6115 Biorobotics; (b) BME6122 Physiological Modeling; (c) BME6123 Flexible Bioelectronics for Medical Applications; (d) MNE6046 Nano-Manufacturing</p>						(Maximum - 6 semesters)

Total CUs = 30

Note 1: () number of credit units

Note 2: # 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.

Note 3: Courses list may change subject to changes in the programme and/or demand for individual courses.