

MSBME Study Path (2026 Cohort)
Full-time Normal Study Path via **Taught Courses** (1 Year)

Yr.	Sem.	Courses for selection [@]					CUs
1	A	<u>Bioimaging</u> - BME5110 Biomedical Engineering Design	<u>BioMEMS</u> - BME6101 Manufacturing of Biomedical Devices - BME6111 Biomedical Instrumentation	<u>Nanomedicine / Biomaterials</u> - BME6136 Advanced Biomaterials for Healthcare and Biomedical Applications - BME6141 Fundamentals and Applications of Single- molecule Biophysics in Rapid Diagnostics	<u>Biomedical Robotics</u> - BME6145 Applied Artificial Intelligence for Biomedical and Healthcare Applications	<u>Flexible Bioelectronics</u> - BME6123 Flexible Bioelectronics for Medical Applications	15
	B	<u>Bioimaging</u> - BME6118 Biomedical Imaging and Biophotonics - BME6140 Advanced Optical Microscopy for Biomedical Engineering	<u>BioMEMS</u> - BME6005 Micro Systems Technology	<u>Biomedical Robotics</u> - BME6115 Biorobotics - BME6121 Biomechanics - BME6138 Robotics in Minimally Invasive Healthcare		<u>Flexible Bioelectronics</u> - BME6142 Rapid Diagnostic Devices for Personalized Healthcare	12 or 15
	S	<u>Biomedical Robotics</u> - BME6146 GenAI Technologies for Biomedical and Healthcare Applications		<u>Flexible Bioelectronics</u> - BME6117 Biomedical Safety and Risk Assessment			0 or 3
Total CUs =							30

Remark: [@] Courses list may change subject to changes in the programme and/or demand for individual courses.

MSBME Study Path (2026 Cohort)
Full-time Normal Study Path via **Dissertation** (1 Year)

Yr.	Sem.	Courses for selection@					CUs
1	A	<u>Bioimaging</u> - BME5110 Biomedical Engineering Design	<u>BioMEMS</u> - BME6101 Manufacturing of Biomedical Devices - BME6111 Biomedical Instrumentation	<u>Nanomedicine / Biomaterials</u> - BME6136 Advanced Biomaterials for Healthcare and Biomedical Applications - BME6141 Fundamentals and Applications of Single-molecule Biophysics in Rapid Diagnostics	<u>Biomedical Robotics</u> - BME6145 Applied Artificial Intelligence for Biomedical and Healthcare Applications	<u>Flexible Bioelectronics</u> - BME6123 Flexible Bioelectronics for Medical Applications	15
	B	BME6008 Dissertation (6 CUs) + (3CUs)	<u>Bioimaging</u> - BME6118 Biomedical Imaging and Biophotonics - BME6140 Advanced Optical Microscopy for Biomedical Engineering	<u>BioMEMS</u> - BME6005 Micro Systems Technology	<u>Biomedical Robotics</u> - BME6115 Biorobotics - BME6121 Biomechanics - BME6138 Robotics in Minimally Invasive Healthcare	<u>Flexible Bioelectroni</u> - BME6142 Rapid Diagnostic Devices for Personalized Healthcare	12
	S		<u>Biomedical Robotics</u> - BME6146 GenAI Technologies for Biomedical and Healthcare Applications		<u>Flexible Bioelectronics</u> - BME6117 Biomedical Safety and Risk Assessment		3
Total CUs =							30

Remark: [@] Courses list may change subject to changes in the programme and/or demand for individual courses.

MSBME Study Path (2026 Cohort)

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

Students are required to complete (i) ten electives OR (ii) dissertation + seven electives. The advice is not to take more than 11 credit units in a semester.

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Yr.	Sem.	Courses for selection [@]					CUs
1	A	<u>Bioimaging</u> - BME5110 Biomedical Engineering Design	<u>BioMEMS</u> - BME6101 Manufacturing of Biomedical Devices - BME6111 Biomedical Instrumentation	<u>Nanomedicine / Biomaterials</u> - BME6136 Advanced Biomaterials for Healthcare and Biomedical Applications - BME6141 Fundamentals and Applications of Single-molecule Biophysics in Rapid Diagnostics	<u>Biomedical Robotics</u> - BME6145 Applied Artificial Intelligence for Biomedical and Healthcare Applications	<u>Flexible Bioelectronics</u> - BME6123 Flexible Bioelectronics for Medical Applications	9
	B	<u>Bioimaging</u> - BME6118 Biomedical Imaging and Biophotonics - BME6140 Advanced Optical Microscopy for Biomedical Engineering	<u>BioMEMS</u> - BME6005 Micro Systems Technology	<u>Biomedical Robotics</u> - BME6115 Biorobotics - BME6121 Biomechanics - BME6138 Robotics in Minimally Invasive Healthcare		<u>Flexible Bioelectronics</u> - BME6142 Rapid Diagnostic Devices for Personalized Healthcare	9
2	A	<u>Bioimaging</u> - BME5110 Biomedical Engineering Design	<u>BioMEMS</u> - BME6101 Manufacturing of Biomedical Devices - BME6111 Biomedical Instrumentation	<u>Nanomedicine / Biomaterials</u> - BME6136 Advanced Biomaterials for Healthcare and Biomedical Applications - BME6141 Fundamentals and Applications of Single-molecule Biophysics in Rapid Diagnostics	<u>Biomedical Robotics</u> - BME6145 Applied Artificial Intelligence for Biomedical and Healthcare Applications	<u>Flexible Bioelectronics</u> - BME6123 Flexible Bioelectronics for Medical Applications	6
	B	<u>Bioimaging</u> - BME6118 Biomedical Imaging and Biophotonics - BME6140 Advanced Optical Microscopy for Biomedical Engineering	<u>BioMEMS</u> - BME6005 Micro Systems Technology	<u>Biomedical Robotics</u> - BME6115 Biorobotics - BME6121 Biomechanics - BME6138 Robotics in Minimally Invasive Healthcare		<u>Flexible Bioelectronics</u> - BME6142 Rapid Diagnostic Devices for Personalized Healthcare	6
Total CUs =							30

Remark: [@] Courses list may change subject to changes in the programme and/or demand for individual courses.

MSBME Study Path (2026 Cohort)
Part-time Normal Study Path via **Dissertation** (1.5 Years)

Yr.	Sem.	Courses for selection@						CUs	
1	A	<u>Bioimaging</u> - BME5110 Biomedical Engineering Design	<u>BioMEMS</u> - BME6101 Manufacturing of Biomedical Devices - BME6111 Biomedical Instrumentation		<u>Nanomedicine / Biomaterials</u> - BME6136 Advanced Biomaterials for Healthcare and Biomedical Applications - BME6141 Fundamentals and Applications of Single-molecule Biophysics in Rapid Diagnostics		<u>Biomedical Robotics</u> - BME6145 Applied Artificial Intelligence for Biomedical and Healthcare Applications	<u>Flexible Bioelectronics</u> - BME6123 Flexible Bioelectronics for Medical Applications	9
	B	BME6008 Dissertation (2 CUs)	<u>Bioimaging</u> - BME6118 Biomedical Imaging and Biophotonics - BME6140 Advanced Optical Microscopy for Biomedical Engineering		<u>BioMEMS</u> - BME6005 Micro Systems Technology		<u>Biomedical Robotics</u> - BME6115 Biorobotics - BME6121 Biomechanics - BME6138 Robotics in Minimally Invasive Healthcare	<u>Flexible Bioelectronics</u> - BME6142 Rapid Diagnostic Devices for Personalized Healthcare	11
	S		+		<u>Biomedical Robotics</u> - BME6146 GenAI Technologies for Biomedical and Healthcare Applications		<u>Flexible Bioelectronics</u> - BME6117 Biomedical Safety and Risk Assessment		
	2	A	(4 CUs) <i>Maximum 6 semesters</i>	<u>Bioimaging</u> - BME5110 Biomedical Engineering Design	<u>BioMEMS</u> - BME6101 Manufacturing of Biomedical Devices - BME6111 Biomedical Instrumentation	<u>Nanomedicine / Biomaterials</u> - BME6136 Advanced Biomaterials for Healthcare and Biomedical Applications - BME6141 Fundamentals and Applications of Single-molecule Biophysics in Rapid Diagnostics		<u>Biomedical Robotics</u> - BME6145 Applied Artificial Intelligence for Biomedical and Healthcare Applications	<u>Flexible Bioelectronics</u> - BME6123 Flexible Bioelectronics for Medical Applications
Total CUs =									30

Remark: [@] Courses list may change subject to changes in the programme and/or demand for individual courses.