

Master-Program Medical Engineering and eHealth (MME)

technical courses
 non-technical courses
 Master's Thesis

	1 st Semester	2 nd Semester	3 rd Semester	4 th Semester	
1	Applied Research & Development 1* Project Related Teamwork 1 Team Management Skills Workflows in Medicine 8,5 ECTS	Applied Research & Development 2* Project Related Teamwork 2 Project Management and Leadership Skills* 7 ECTS	Methods of Scientific Research Research and Development Skills Research and Development Seminar* 10 ECTS	Master's Thesis 28 ECTS	
2					
3	Economic & Legal Issues Advanced English Corporate Management in Life Science Technologies EU-Law 5,5 ECTS	Scientific Methodology in Healthcare* English Writing Skills Study Design and Biostatistics Ethics Scientific Publishing* 7 ECTS	Exploring the Health Ecosystems* Selected Problems in Medical Engineering & eHealth* Economics and Marketing 4 ECTS		
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5	Engineering in Medicine Cellular Electrophysiology and Bioimpedance Microprocessor Applications in Medicine* 8 ECTS	Quality and Policies for Healthcare* Quality and Regulatory Affairs Management* eHealth Applications* 8 ECTS	Advanced Clinical and Data Engineering Advanced Analysis of Medical Data* Clinical Engineering 8 ECTS		
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7	Elective Module 1 Applications for Crowdsourced Healthcare* Engineering for Therapy & Rehabilitation* Medical Information Systems Modelling in Cardiovascular Systems choose 2 of the listed electives 8 ECTS	Elective Module 2 Bioinformatics* Artificial Intelligence Electromagnetic Compatibility Advanced Optics choose 2 of the listed electives 8 ECTS	Elective Module 3 Applied Optics in Medical Devices Respiration Technologies* Biosignal Processing* Image Analysis choose 2 of the listed electives 8 ECTS		
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