

BACHELOR

Medical, Health and Sports Engineering

SPECIALITY	High practical experience through project works, case studies and professional internship; Possibility of a stay abroad; Two branches of study to deepen your knowledge
ACADEMIC DEGREE	Bachelor of Science in Engineering B.Sc. BSc** <i>**Use of the academic degree in conjunction with the brand "MCI" officially approved</i>
TIME MODEL	Full-time
LANGUAGE	German, 5 th Semester in English
CONTENT	<ul style="list-style-type: none"> • Mathematics & natural scientific fundamentals 11% • Engineering sciences 20% • Basics of medicine & (medical) informatics 16% • Basics of medical & sports equipment technology 14% • Branch of study 11% • Business, management & key competencies 9% • Practical experience & Bachelor thesis 19%
STUDY BRANCHES	Medical Engineering Health and Sports Engineering
PROFESSIONAL OPPORTUNITIES	<ul style="list-style-type: none"> • Planning and development of medical technology products • Planning and development of sports technology products • Software engineering • Technical product and quality management • Project management • Production engineering • Research and development
ADMISSION REQUIREMENTS	Individuals with a university entrance qualification Individuals without a university entrance qualification, but with relevant professional qualification and additional exams in the subjects German, English, Mathematics and Physics
TUITION FEE	€ 363.36 / semester plus membership fee for the Austrian Students Union (ÖH) for EU and EEA citizens. Details and Information: www.mci.edu/admission
APPLICATION	Career background & motivation (30%) Admission test (20%) Admission interview (50%)
CONTINUE STUDYING AT MCI	<ul style="list-style-type: none"> • Medical Technologies • Mechatronics & Smart Technologies • Industrial Engineering and Management

Curriculum

SEM	SWS	ECTS										
6	2	30	Internship							15	Bachelor thesis	15
5	21	30	Project	Robotic Systems in Sports and Medical Technology	Regulatory	Medical Technologies in Diagnosis and Therapy	Prosthetics and Rehabilitation	Applied Modelling and AI	Major in Medical Engineering	Major in Health and Sports Engineering		
4	24	30	Economics, Management and Key Competences 3	Biomedical Sensor Technology	Device Design, UI and UX	eHealth and Telemedicine	Medical device Development	Physiology and Pathology	Major in Medical Engineering	Major in Health and Sports Engineering		
3	25	30	Economics, Management and Key Competences 2	Biosignal and Image Processing	Fluid Dynamics	Production Engineering and Additive Manufacturing	Hardware related Software Development	Anatomy and Biology				
2	23	30	Mathematics 2	Fundamentals of Physics and Chemistry 2	Technical Basics 2	Measurement and Control Engineering	Electronics	Software Engineering	Fundamentals			
1	23	30	Economics, Management and Key Competences 1	Mathematics 1	Fundamentals of Physics and Chemistry 1	Technical Basics 1	Electrical Engineering and Construction	Algorithms and Data Structures				