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**
**Use of the academic degree in conjunction with the brand “MCI” officially approved

TIME MODEL
Full-time

LANGUAGE
German, 5th Semester in English

CONTENT
• 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
• 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
• Medical Technologies
• Mechatronics & Smart Technologies
• Industrial Engineering and Management
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**Major in Health and Sports Engineering**

1. Fundamentals of Physics and Chemistry 1
2. Technical Basics 1
3. Technical Basics 2
4. Technical Basics 3
5. Physical Education and Health Promotion
6. Device Design, UI and UX
7. Fluid Dynamics
8. Image Processing
9. Medical Imaging
10. Medical Technologies in Diagnosis and Therapy
11. Medical Device Analysis and Development
12. Prosthetics and Rehabilitation
13. Sports Equipment Analysis and Development
14. Sports Medicine and Rehabilitation
15. Training Support
16. Sports Medicine and Rehabilitation
17. Medical Imaging
18. Medical Technologies in Diagnosis and Therapy
19. Medical Image Processing
20. Medical Device Analysis and Development
21. Prosthetics and Rehabilitation
22. Sports Equipment Analysis and Development
23. Sports Medicine and Rehabilitation
24. Training Support
25. Sports Medicine and Rehabilitation
26. Medical Imaging
27. Medical Technologies in Diagnosis and Therapy
28. Medical Device Analysis and Development
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30. Sports Equipment Analysis and Development
31. Sports Medicine and Rehabilitation
32. Training Support
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34. Medical Imaging
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