

MASTER

Medical & Sports Technologies*Job friendly
time model

DEGREE	Master of Science in Engineering M.Sc. MSc* <i>*Use of the academic degree in combination with the brand 'MCI' approved</i>
DURATION	4 semesters including Master's Thesis and final exam
MAIN FOCUS	High level of practical relevance, international orientation, close collaboration with trade and industry, focus on academic excellence and industry-related skills, interdisciplinary projects, small group sizes.
TIME MODEL	Full-time study program with job & family friendly time model (morning sessions between 9 a.m. and 1 p.m from Monday to Friday, occasionally, classes are held in the afternoon, block teaching, project & laboratory work, etc.)
LANGUAGE	English
CONTENT	<ul style="list-style-type: none"> • General Technology & Engineering 25% • Hands-On Projects 13% • Major Subjects 29% • Management & Entrepreneurship 8% • Master's Thesis & Final Exam 25%
PROFESSIONAL OPPORTUNITIES	<ul style="list-style-type: none"> • Engineer in Research & Development • Project & Team Leader • Product Owner / Agile Master • Clinical Researcher / Engineer • Specialist in Medical / Sports Data Analysis • Technology Management in Sports Associations • Innovation / Product Manager • Founder / Entrepreneur in Startups
ADMISSION REQUIREMENTS	<ul style="list-style-type: none"> • Graduates of Bachelor programs in the field of Medical or Sports Engineering • Graduates of other Bachelor programs or Diploma programs in the fields of Mechatronics, Industrial Engineering, Radiology Technology, Sports Technologies, Clinical Engineering, Environmental, Process & Energy Engineering and IT. • In any case, a Bachelor's curriculum needs to cover sufficient relevant ECTS points in the following competencies: <ul style="list-style-type: none"> - <i>Fundamentals of Mathematics and Natural Sciences</i> - <i>Fundamentals of engineering and IT</i> - <i>Fundamentals of medicine and medical technology, sports science & sports technology</i> - <i>Economic and legal aspects of engineering and key skills</i>
TUITION	Per semester: € 363.36 for students from EU & EEA countries + membership fee to the Austrian Student's Union Details for students from third countries: mci.edu/admission Scholarships: mci.edu/scholarships
APPLICATION & SELECTION PROCESS	<ul style="list-style-type: none"> • Online Application: CV & Motivation • Online admission interview Details and information on application and admission: mci.edu/admission



*subject to accreditation

MCI | THE ENTREPRENEURIAL SCHOOL®

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Curriculum

SEM **SWS** **ECTS**

4 | 4 | 30

5
Master's Seminar

25
Master's Thesis & Exam

3 | 19 | 30

5
Virtual & Augmented Reality

5
Advanced Image & Data Processing

5
Advanced Biomechanics

5
Current Research Areas in Medical Technologies

5
Current Research Areas in Sports Technologies

10
Student Project – Design & Realization MT

2 | 20 | 30

5
Entrepreneurship, Innovation Strategy & Business Models

5
Advanced Data Analysis & Artificial Intelligence

5
Advanced Computational Modelling & Simulation

5
Medical Device Safety & Clinical Trials

5
Digital Sports Products

5
Medical Robotics

1 | 22 | 30

5
Leadership & Life Cycle Management

5
App Development for Medical & Sports Technologies

5
Sensors & Actuators in Medicine & Sports

5
Product Development, Testing & Approval

5
Recovery, Prevention & Therapy

5
Student Project – Concept ST

Specialization Medical Technologies

Specialization Sports Technologies