FH University of Applied Sciences
TECHNIKUM WIEN



MASTER'S PROGRAM

SPORTS TECHNOLOGY

The interdisciplinary Master's program Sports Technology focuses on the combination of sports and technology.

Whether sports equipment or athletic movement – the interdisciplinary master's program Sports Technology focuses on the combination of sports and technology. An idea for a new piece of sports equipment is to be implemented or an existing piece of sports equipment is to be optimized, a certain movement has potential for improvement? In order to be able to work on these and even more tasks related to a piece of sports equipment or a sporting movement, various technical skills are required, which are taught in applied form in the Sports Technology master's program.

DURATION: **4 SEMESTER**	DEGREE: **MASTER OF SCIENCE IN ENGINEERING**	
LANGUAGE: **ENGLISH**	ADMISSION PLACES: **60**	ORAGNISATION FORM: **FULL-TIME**
COST: **€ 363,36 TUITION FEE, € 26,20 ÖH FEE / € 3.000 Tuition fees for students from third countries** **ADDITIONAL COSTS FOR ACCOMMODATION DURING THE SPORTS PRACTICAL MEASUREMENT WEEK IN THE 2ND AND 3RD SEMESTER (GUIDELINE: €300 PER SPORTS PRACTICAL MEASUREMENT WEEK)**		

CHANGE OUR TOMORROW

„This master's program is the perfect preparation for a career in the R&D departments of the sporting goods industry. Sports and technology from a scientific perspective, cool projects with international partners."
Stefan Litzenberger, Program Director



1st SEMESTER	ECTS
Applied Sports Technology 1	5.00
Project Management	
Sports Technology Project 1	
Biomechanics	5.00
Applied Biomechanics	
Biomechanical Multibody Simulation	
Information Engineering	5.00
Applied Computer Science in Sports Technology	
Applied Computer Science in Sports Technology – Exercise	
Materials Science in Sports Technology	5.00
Measurement Technology 1	5.00
Applied Measurement Technology in Sports Technology	
Instrumented Motion Analysis	
Sports Mechanics	5.00
Computer Aided Design	
Mechanical Calculations in Sports Technology	

2nd SEMESTER	
Applied Sports Technology 2	5.00
Sports Practice Measurement Week - Summer	
Sports Technology Project 2	
Materials and Design for Sports Equipment	5.00
Design	
Material for Sports Equipment	
Measurement Technology 2	5.00
Mobile Data Capturing	
Novel Data Analysis Approaches in Sports Technology	
Mobile Development	5.00
Monitoring and Feedback	
Monitoring and Feedback – Exercise	
Production and Simulation	5.00
FEM in Sports Technology	
FEM in Sports Technology – Exercise	
Testing	5.00
Instrumented Material Testing – Exercise	
Instrumented Material Testing and Testing Systems	

3rd SEMESTER	
Aerodynamics and Bionics	5.00
Aerodynamics	
Bionics	
Applied Sports Technology 3	5.00
Sports Practice Measurement Week – Winter	
Sports Technology Project 3	
Management Skills	5.00
Controlling	
Statistics and Qualitymanagement	
Master Project	5.00
Creativity Techniques and Study Design	
Sports Technology Journal Club	
Meet the Industry	5.00
LCA and Green Design in Sports Technology	
Meet the Industry	
Rapid Prototyping	5.00
Rapid Prototyping	
Rapid Prototyping Project	

4th SEMESTER	
Master Thesis	25.00
Master Thesis Seminar	5.00

CAREER PROSPECTS

The primary field of employment for graduates of this program is research and development in the international sports equipment industry. However, thanks to their interdisciplinary analytical skills and knowledge from a wide range of fields (such as biomechanics, computer-aided design, project management, materials science, mechanics, event management, and much more), they are also sought-after candidates in other technology sectors (e.g., the automotive industry, the aircraft industry, sports facility construction).

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FURTHER INFORMATION, CURRENT DATES AND CONTACT DATA: www.technikum-wien.at/mst