

MASTER

PART-TIME | BILINGUAL | 4 SEMESTERS

Digital Healthcare

Design & Prototype Healthcare Interfaces | Collect & Analyse Health and Fitness Data | Assess & Evaluate Patient Engagement

EUDRES



ustp.at



University of
Applied Sciences
St. Pölten

Linking Digital Technologies and Healthcare

You want to shape the future of healthcare through digital innovation? The bilingual master degree programme Digital Healthcare brings together health and tech professionals to jointly develop practical, data-driven solutions in prevention, diagnosis, therapy, and care. The focus: tangible benefits for patients, relatives – and especially medical professionals.

The programme is flexible and highly interdisciplinary. Depending on your background, you gain basic skills in either healthcare or digital technologies – and then dive into collaborative, real-world projects.

You develop skills in:

- Designing and prototyping healthcare interfaces
- Collecting and analysing health and fitness data
- Evaluating patient engagement using evidence-based methods

In team projects, you design innovative tools – e.g., mixed-reality visualisations in radiology or sensor-supported gait rehabilitation systems.

Choose your specialisation

You tailor your expertise by choosing one of two tracks:

- **Health Technology Development:** You focus on designing and developing digital health solutions
- **Health Technology Assessment:** You focus on evaluating the effectiveness of digital tools in healthcare settings

Explore past student projects: showreel.mdh.ustp.at

Career prospects at a glance

As a graduate, you're qualified for leading position of healthcare and technology – from conception to implementation and evaluation. Your skills are in demand in hospitals, social insurance providers, medtech companies, research institutions, and the health IT industry.

Possible positions include

- Digital health researcher
- Regulatory affairs manager
- Medical engineer
- Developer or application specialist
- Clinical sales specialist
- Medical device advisor

4 semesters



Master of Science in Engineering (MSc)



part-time



Language: bilingual (English + German)



24 places per year



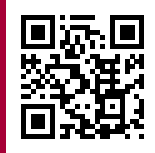
€ 363.36 per semester + Students' Union fee





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More
information



What makes your studies unique

Research, Development
and Innovation
30 ECTS

Structures, Processes,
and Management
in Healthcare
20 ECTS

Health Information
Systems and
Data Analytics
15 ECTS

Scientific Working
and Writing
25 ECTS

Health experts attend

Technology experts attend

Fundamentals of Healthcare Technologies
15 ECTS

Fundamentals of Medical Issues
15 ECTS

and can choose between

Specialisation Health Technology Development
15 ECTS

Specialisation Health Technology Assessment
15 ECTS



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**Here you can submit
your application!**



**Do you have any
questions or need
assistance?**

Don't hesitate to ask – we are happy to help! Whether by email, phone, or in person: Get in touch with us and we will take the time to address your concerns!

Campus and Study Center (CSC)
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1 st Semester	ECTS
Digital Healthcare Project: Ideation and Management	6
Innovation in Healthcare	2
User-Centred Design and Experience	2
Healthcare System and Management	2
Database Systems and Modelling	3
Process Modelling and System Design	2
Research Methodology	3
Fundamentals of Healthcare Technologies¹	
Media Technology and Programming	5
Fundamentals of Medical Issues¹	
Anatomy and Physiology	5
Specialisation Health Technology Development²	
Web Programming and Technologies	5
Specialisation Health Technology Assessment²	
Media-Assisted Health Pedagogics	5

2 nd Semester	ECTS
Digital Healthcare Project: Prototyping	6
Health Law and Patient Rights	2
Presentation and Dissemination	2
Measurement and Analytics in Healthcare	3
Health IT Systems	2
Fundamentals of Healthcare Technologies¹	
Applied AI in Healthcare	4
Augmented and Virtual Reality in Healthcare	2
Data Visualisation in Healthcare	4
Fundamentals of Medical Issues¹	
Pathology	4
Interprofessionalism in Primary Healthcare	2
Prevention and Rehabilitation	4
Specialisation Health Technology Development²	
Sensor and Feedback Systems	5
Specialisation Health Technology Assessment²	
Applied Measurement and Analytics	5

3 rd Semester	ECTS
Digital Healthcare Project Evaluation	10
Personalised Medicine and Telecare	2
Public Health and Health Behaviour	3
Applied Statistics and Data Analytics	4
Cyber Resilience and IT Security	2
Electronic Health Records	2
Emerging Health Technologies	2
Specialisation Health Technology Development²	
Scenarios in Health Technology Development	5
Specialisation Health Technology Assessment²	
Scenarios in Health Technology Assessment	5
4th Semester	ECTS
Master Thesis and Master Seminar	23
Master Exam	2
Entrepreneurship in Digital Health	2
Window of Opportunity ³	2
Quality Management in Healthcare	1

¹ Acquisition of basic knowledge in the other focus area: Students with a technical background acquire fundamentals in medical issues, while students with a healthcare background attend courses on fundamentals in healthcare technology.

² Students can choose freely between the two specialisations.

³ Free selection of interdisciplinary offers – expand your studies individually.



University of
Applied Sciences
St. Pölten

Personalise Your Academic Path

We are there for you along the way – offering commitment, expert knowledge, and a learning culture that puts your individual development at the centre.

Experience Europe during Your Studies

As part of the European University Alliance E³UDRES², you experience European learning, research, and collaboration in action.

Create Ideas with Impact

At USTP, you find room for participation, creative solutions, and bold ideas – in an inspiring campus environment.

Your Studies at USTP

A new name – the same strong values. The St. Pölten UAS is now University of Applied Sciences St. Pölten – in short: USTP. While our name and visual identity have evolved, our core values remain unchanged. We are committed to delivering outstanding teaching and impactful applied research, guided by an open, European perspective. At University of Applied Sciences St. Pölten, we foster individualised guidance and a culture that connects people, ideas, and disciplines – all on a state-of-the-art campus designed to inspire innovation.

It starts with you. USTP.



We are the winner of the Global Student Satisfaction Award 2025 – Quality of Student Life



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Stay up to date on social media!

Instagram: [instagram.com/ustp_hochschule](https://www.instagram.com/ustp_hochschule)

YouTube: [youtube.com/@ustp_hochschule](https://www.youtube.com/@ustp_hochschule)

LinkedIn: [linkedin.com/school/ustp_hochschule](https://www.linkedin.com/school/ustp_hochschule)



Diversity on Campus St. Pölten

Inclusion, gender equality, and diversity are important to us. Our campus is barrier-free. Please make sure to contact us in good time to allow us to take your needs into account.