Master

University of Applied Sciences St. Pölten

EUDRES²

Full-time | 4 semesters | English

Creative Computing

Visual and Human-Centred AI | Game Engineering and Design | Mobile Development | Industrial Systems Design

ustp.at



Technology starts with creating.

Shape the Future of Digital Technology!

With the English-taught master degree programme in Creative Computing[1], you combine artificial intelligence, software engineering, data, user experience, design, and entrepreneurship to develop human-centred digital products and services. Through project-based learning, individual specialisation, and close support, you build the creative, technical, and strategic skills needed to turn ideas into robust solutions and successfully turn them into practice.

At a glance

- **4 semesters**
- **Master of Science in Engineering (MSc)**
- **Full-time**
- **Language: English**
- **20 places per year**
- **€ 363.36 per semester[2] + Students' Union fee**

[1] subject to accreditation/approval by AQ Austria and the necessary internal approvals
[2] € 1,500.00 (per semester for students from third countries; performance-based tuition fee waivers are available)

Build a strong interdisciplinary foundation in artificial intelligence, visual sensemaking, user experience, software architecture, and agentic web engineering. Business, law, research, and professional practice help you evaluate, communicate, and develop digital solutions responsibly. You will follow a common core, choose one of four specialisations, and develop your own projects in individual lab experiences.

→ **Visual and Human-Centred AI**
Explore how AI, data, and visualisation can support people in understanding complex information and taking informed decisions.

→ **Game Engineering and Design**
You explore game development, interactive systems, and production workflows, then deepen your expertise in game system engineering and selected topics that reflect current developments in the field.

→ **Mobile Development**
You design and build mobile experiences across platforms using hybrid mobile applications, native development, and DevOps, connecting user-centred interface design with robust architectures, deployment processes, and modern software engineering practices.

→ **Industrial Systems Design**
You work with industrial data engineering, connected systems, security, and AI, thereby learning to design architectures that integrate data, software, and intelligent technologies for complex applications.

With this study programme, you will be prepared for specialist and leadership roles in software development, AI, UX, product management, and digital innovation as well as for entrepreneurial ventures.

Career prospects at a glance
→ AI and data specialist
→ Software or web developer
→ Mobile or game developer
→ UX and interface specialist
→ Product or innovation manager

What makes your studies unique

Individual Lab Experience
Turn knowledge into practice through an individual, challenge-based project. Across the programme, you will research, plan, prototype, evaluate, implement, and refine a digital product or service while receiving close guidance and connecting your work to professional practice.

Cutting-Edge Facilities
Students have 24/7 access to our cutting-edge studios and labs. These include the Interactive Media Lab, the Audio Lab, the Post-Production Studio, and more. In addition, the Media Technology Service Center provides equipment for your projects.

Internationalisation at Home
You prefer to stay local but still want to gain international experience? You have the opportunity to spend a semester abroad or to take part in short-term exchange programmes as part of the 'Window of Opportunity' scheme, to broaden your international outlook.

Innovative Teaching Methods
The programme combines regular modules with intensive periods. Each semester, up to three weeks are organised as intensive periods, including at least one week at the start and one week at the end of the semester.

More Information →

Start your application here! →

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 und Study Center (CSC)
+43 2742 313 228-333
csc@ustp.at

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University of Applied Sciences St. Pölten

It starts with you.

Creativity
Progress
Technology starts with creating.
Success
Innovation

thinking
knowledge
communication
curiosity

We're here to advise you

Get to know USTP at our online and on-site info sessions. Our Student Ambassadors are here for you to share personal insights into student life and answer your questions.

Perfectly connected

Our campus is easily accessible by public transport: Located in the Greater Vienna Area, St. Pölten is just 25 minutes from Vienna. A short walk of approximately 10 minutes takes you from the St. Pölten main station to USTP.

Strong links across Europe

Through the European University Alliance E^{3}UDRES^2, USTP is connected with higher education institutions throughout Europe. This allows students to gain international experiences, engage in exchange, and work on projects together.

Internationally recognised

In 2025, USTP was awarded the Global Student Satisfaction Award in the category "Best Quality of Student Life" based on the experiences and feedback of our students.

Cultivating Diversity

Diverse perspectives and life experiences come together at USTP. We promote respectful coexistence, gender equality, and inclusion. Our campus is accessible to everyone.

We're here to advise you

Satisfaction Awards 2025
WINNER
QUALITY OF STUDENT LIFE
studyportals

A new name, the same attitude:
The St. Pölten UAS is now USTP – University of Applied Sciences St. Pölten.

Hochschule für Angewandte Wissenschaften St. Pölten
Campus-Platz 1
A-3100 St. Pölten
Tel.: +43 2742 313 228-200
E-Mail: csc@ustp.at

ustp.at

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