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st. pölten

UNIVERSITY OF APPLIED SCIENCES

WE ARE E³UDRES²
EUROPEAN UNIVERSITY

DUAL | 4 SEMESTERS | ENGLISH

MASTER

Digital Innovation and Research

Artificial Intelligence | Digital Transformation | Open Innovation | Research & Development

Digital Innovation and Research

You want to be the key to realising the digital transformation? You thrive when researching and implementing innovation strategies? We offer you a high-quality education at the interface of applied research, innovation, and digitalisation with a focus on topics such as artificial intelligence, governance, and information security.

Your Studies

The master degree programme Digital Innovation and Research is made up of 3 pillars to equip you with in-depth knowledge on important strategies and technologies.

- **Innovation:** You learn innovation methods and processes, entrepreneurship as well as methods of storytelling to manage any kind of transformation successfully.

- **Research:** From research proposals through scientific methods and writing to correct publishing and presenting - you will acquire every skill necessary to become a top-qualified researcher.

- **Digitalisation:** The course contents include cutting-edge topics such as artificial intelligence, governance, and data protection. The subjects are taught in small student groups by international lecturers from the field of research. In addition, students work on and further develop a research topic or project throughout their studies.

Your Career

As a graduate of the international master degree Digital Innovation and Research, you have acquired competencies at the interface of digitalisation, innovation, and research. Thus, you have acquired the best possible preparation and skills for a flying start in the job market.

SMEs (Small and Medium-Sized Enterprises)
- Identify research and innovation possibilities in the area of computer science in your company.
- Determine concrete demand for research.
- Establish adequate cooperation projects with higher education institutions and non-university-based research centres.

Higher Education Institutions and Research Centres
- You are able to prepare research projects in such a way that their findings lead to product, process, or service innovations at the partner companies.
- You are able to actively participate in research projects and work on your PhD thesis at a higher education institution.

Research Divisions of Large Companies
- You are equipped with practical experience in research projects.
- You are able to quickly acquire the necessary skills in various fields (e.g., support in preparing proposals, project implementation as a junior researcher, reporting and controlling).

Academic Degree
Master of Science in Engineering (MSc)

Duration of Studies
4 semesters

Tuition Fees
363.36 € per semester
+ Students' Union fee

Application
apply.fhstp.ac.at

Study Places/Year
12

Organisational Form:
full-time
dual
English

What Makes Your Studies Unique

Dual learning

The dual-system programme does not only offer you a comprehensive theoretical education. It also allows you to actively participate in research projects at companies, non-university research centres, universities of applied sciences, and universities. This education at the highest scientific level in combination with a strong practical orientation provides you with excellent opportunities to drive and manage future transformations.

Modern infrastructure

The St. Pölten UAS has state-of-the-art laboratories such as a deep learning environment as well as a Cyber Defense Center. You can use the entire infrastructure around the clock, even off campus, and train your skills or work on your projects.
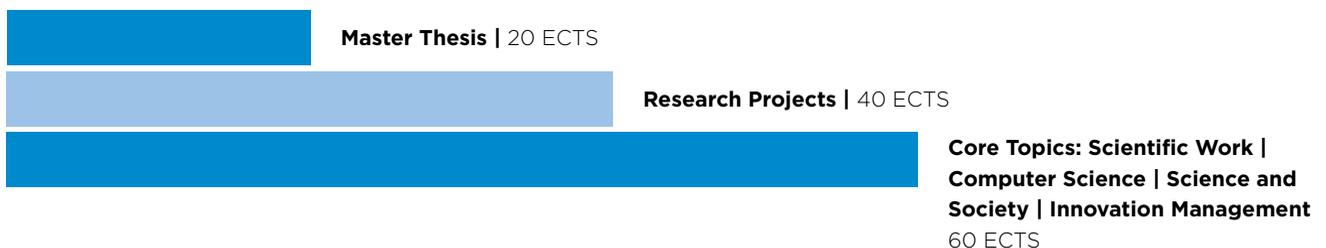
Focus on the professional field

The programme conveys all necessary competencies for various career opportunities. Apart from in-depth knowledge in the field of computer science, it puts particular emphasis on scientific research and fact-based innovation. From writing a research proposal to processing and presenting the results – our experienced professors will teach and guide you on your way to enable digital transformation.

PhD preparation

This study programme prepares you for a doctoral programme at universities. Our mentors will guide you in the selection of suitable topics and supervisors from our international network.

Weighting of Course Contents

Master Thesis | 20 ECTS

Research Projects | 40 ECTS

Core Topics: Scientific Work | Computer Science | Science and Society | Innovation Management 60 ECTS

Curriculum

1ˢᵗ year of studies

1ˢᵗ semester	ECTS
Foundations of Research & Ethics	5
Artificial Intelligence	5
Entrepreneurship	5
Design Thinking	5
Project and Mentoring I	5
Methods of Research and Innovation	5

2ⁿᵈ semester	ECTS
Trends in Research	5
IT Governance	5
Innovation Management and Product Development	5
Elective I	5
Project and Mentoring II	5
Publishing and Presentation	5

2ⁿᵈ year of studies

3ʳᵈ semester	ECTS
Writing of Research Proposals	5
IT Protection	5
Data-Driven Innovation	5
Elective II	5
Project and Mentoring III	10

4ᵗʰ semester	ECTS
Project and Mentoring IV	10
Master Thesis	20

Details and information about the admission procedure

ECTS: European Credit Transfer System – measuring unit for the overall effort that it takes an average student to positively complete a course.
One credit point equals a workload of 25 hours.

Stay up to date on social media!

- Instagram Informatics & Security: instagram.com/fhstp_informatik_security
- Instagram: instagram.com/fhstp
- Tiktok: tiktok.com/@fhstp
- LinkedIn: linkedin.com/school/fhstp

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Information & Contact
Campus and Study Center (CSC) | T: +43 2742 313 228-333 | E: csc@fhstp.ac.at | I: fhstp.ac.at

Diversity at the Campus St. Pölten
Inclusion, gender equality, and diversity are important to us. Our campus is accessible barrier-free.
Please contact us in good time so that we can take your needs into account.

09/2024