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st. pölten

UNIVERSITY OF
APPLIED SCIENCES

WE ARE EUDRES
EUROPEAN UNIVERSITY

DUAL | 4 SEMESTERS | ENGLISH

MASTER

Cyber Security and Resilience

Systems and Network Security | Security Analysis | Security Technologies |
Cyber Resilience Management

Cyber Security and Resilience

Security is paramount. Do you agree? If so, you have come to the right place. In this master degree programme, you learn to develop and operate resilient information systems. You gain essential knowledge in disaster recovery, business continuity management, incident response planning, and intrusion detection systems. Taught in English, this programme provides the best possible preparation for a successful career in both national and international companies.

Your Studies

This comprehensive, in-depth study programme paves the way for a variety of national and international career opportunities. Upon completion of this degree, you will have skills in areas including resilient IT architecture, crisis management, incident response planning, and much more.
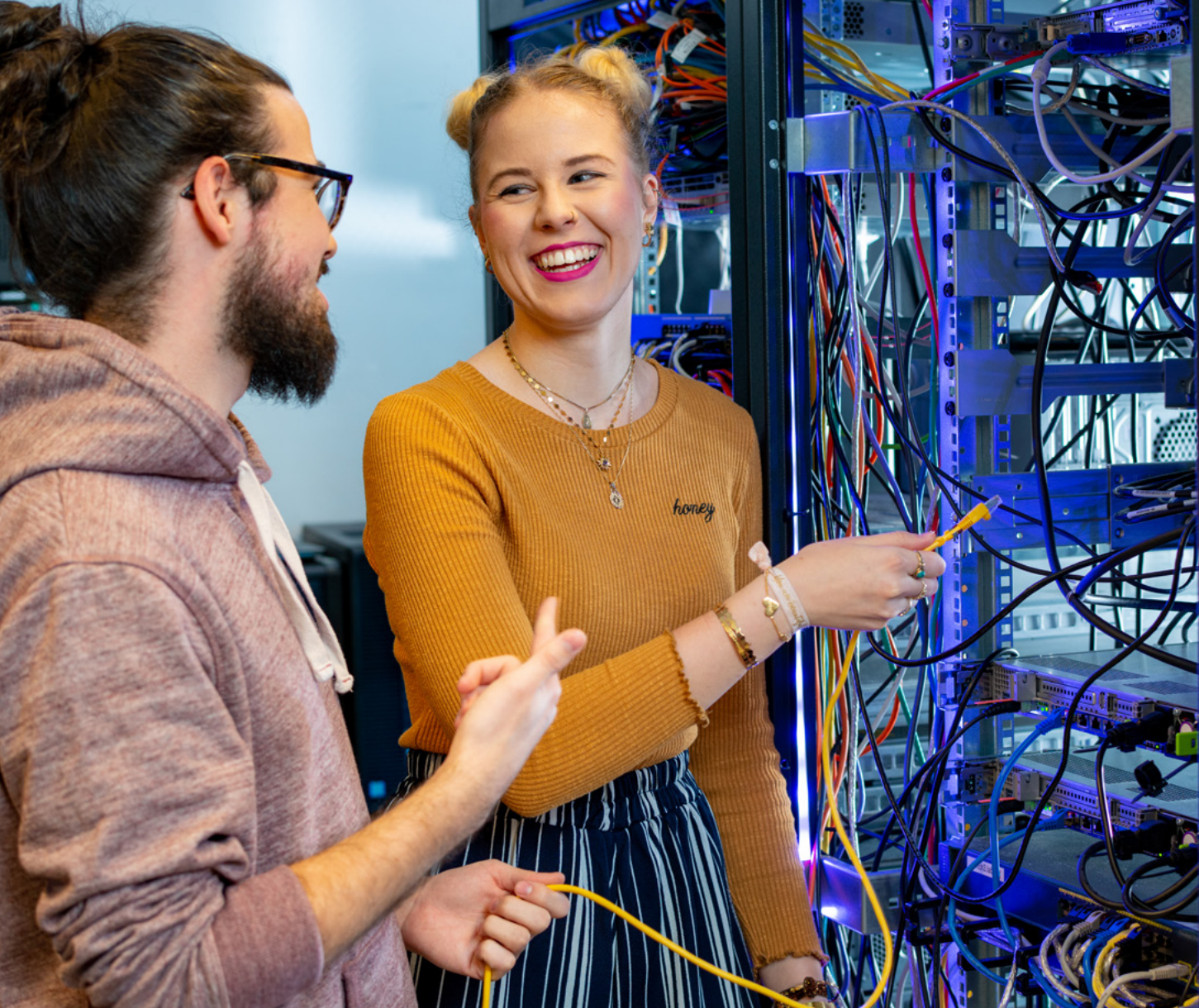
- **Organisational Security and Resilience** is concerned with organisational security measures, standards, and best practices as well as risk and resilience management.
- **Technical Security and Resilience** deals with the technical protection of information systems and the analysis of vulnerabilities and security incidents.
- **Applied Security Competence (Dual Project)** supports students in putting their knowledge into practice with company partners.
- **Future Work Skills** promotes the transfer of knowledge in areas such as conversation techniques during audits, data analysis skills, or personnel management.
- **Diploma Thesis / Master Thesis** enables students at the end of their studies to focus on an individually chosen topic.

Your Career

Scientific studies and professionals agree that the demand for cyber security and resilience experts is higher than ever. This comprehensive and in-depth education offers the ideal preparation for a multitude of career opportunities.

Possible occupational fields include:
- (Chief) Information Security Officer
- Cyber Defense Analyst
- Security Consultant
- IT Forensic Expert
- Cyber Risk Manager
- Information Security Auditor
- Cyber Resilience Specialist
- Data Protection Officer

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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:
30

Organisational Form:
dual
full-time

What Makes Your Studies Unique

Dual learning

This dual master programme offers you more than just theoretical and practical lectures. Gain hands-on experience by participating in real projects at partner organisations. With this education at the highest scientific level in combination with a strong practical orientation, you will have excellent career opportunities.

Modern infrastructure

The St. Pölten UAS has state-of-the-art laboratories as well as a Cyber Defense Center training environment. You can use the entire infrastructure around the clock, even off campus.
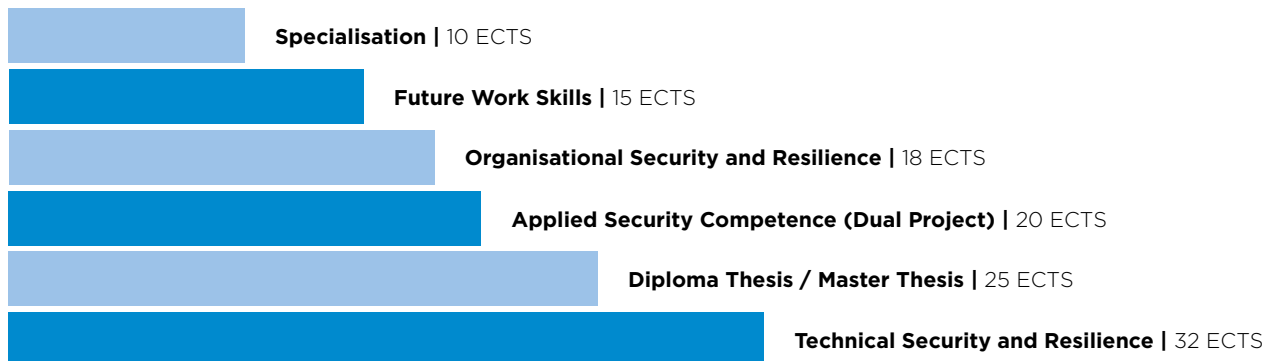www.fhstp.ac.at/en/tour

Blocked courses and specialisation

Focusing on one subject at a time enables you to dive deeper into the subjects and new learning formats. Furthermore, it ensures a balanced and even workload throughout the semester. To best support your individual career goals, specialisations including stakeholder management, KPIs (key performance indicators), and corporate strategy are offered to guarantee diverse learning paths.

Linguistic competence

You want to conquer the international field of cyber security and resilience? The fact that the teaching language is English promotes your skills of expression. Equipped with profound knowledge and linguistic competencies, you are well prepared to get started in the company of your choice.

Weighting of course contents

Specialisation | 10 ECTS

Future Work Skills | 15 ECTS

Organisational Security and Resilience | 18 ECTS

Applied Security Competence (Dual Project) | 20 ECTS

Diploma Thesis / Master Thesis | 25 ECTS

Technical Security and Resilience | 32 ECTS

Curriculum

1ˢᵗ year of studies

1ˢᵗ semester	ECTS
Data Science	5
Network Security Components	5
Privacy & Cryptography	5
Cyber Risk & Resilience Management	4
Presentation I	1
Information Security Management	5
Agile Project Management	1
Software Security	4

2ⁿᵈ semester	ECTS
Digital Forensics and Incident Handling	4
Professional Report Writing	1
Complex Problem Solving	2
Leadership	3
Application Security and Pentesting	5
Threat Modelling & Information Sharing	5
Audit Interview Skills	1
Security Auditing	4
Secure Networks	5

2ⁿᵈ year of studies

3ʳᵈ semester	ECTS
Cloud Computing Security	4
Presentation II	1
Dual Project: Security Auditing & Testing	6
Dual Project: Specialisation	7
Mentoring: Security Auditing & Testing	1
Mentoring: Specialisation	1
Specialisation I	5
Specialisation II	5

4ᵗʰ semester	ECTS
Mentoring: Risk Management	1
Dual Project: Risk Management	4
Master Exam	2
Master Thesis & Diploma Seminar	23

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.

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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