

MASTER

FULL-TIME | DUAL | 4 SEMESTERS | ENGLISH

Cyber Security and Resilience

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

EUDRES



ustp.at



University of
Applied Sciences
St. Pölten

Create Secure Cyber Infrastructures

Security is your passion? Make it your future. In the master degree programme Cyber Security and Resilience, you learn how to build and run resilient information systems. You gain expertise in system security, business continuity, security management, and ethical hacking — all taught in English to prepare you for a global career in cyber security.

By the end of your studies, you'll be equipped with the skills to protect and secure critical IT systems — and respond effectively when things go wrong.

- **Organisational Security and Resilience:** You learn standards, protective measures, and how to manage risks.
- **Technical Security and Resilience:** You dive into system protection, vulnerability analysis, and incident response.
- **Applied Security Competence (Dual Project):** You put your knowledge into action through hands-on projects with company partners.
- **Future Work Skills:** You train in audit techniques, data analysis, and presentation.
- **Master Thesis:** You research and specialise in a topic that fits your personal interests and career path.

Career prospects at a glance

- Information Security Manager
- Cyber Defence Analyst
- Security Consultant
- IT Forensic Expert
- Cyber Risk Manager
- Information Security Auditor
- Cyber Resilience Specialist
- Data Protection Officer

4 semesters



Language: English



Master of Science in Engineering (MSc)



30 places per year



full-time / dual



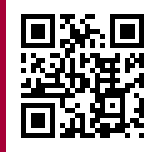
€ 363.36 per semester¹ + Students' Union fee



¹ € 1,500.00 (per semester for students from third countries, performance-based tuition fee waivers are available)



More
information



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What makes your studies unique

Dual learning

You don't just learn in the classroom — you gain hands-on experience through real-world projects with industry and research partners. This strong mix of academic depth and practical experience gives you a head start on your career.

Modern infrastructure

At our campus, you get access to cutting-edge labs, including a deep learning environment and Cyber Defense Center. Use the full infrastructure anytime — even remotely — to sharpen your skills and bring your ideas to life.

Blocked courses and specialisation

Focusing on one subject at a time helps you go deeper and keep your workload steady. You can tailor your path by choosing specialisations like cyber defence or information security governance — so your education matches your career goals.

Language skills

Want to dive into the international cyber security scene? The programme is taught in English to strengthen your communication skills. With both tech expertise and language fluency, you're ready to succeed — wherever your path takes you.

Module overview

1 st Semester	2 nd Semester	3 rd Semester	4 th Semester
Security Technologies 10 ECTS	Digital Forensics and Incident Handling 5 ECTS	Dual Project 20 ECTS	
Security Management 20 ECTS		Specialisation 10 ECTS	Master Thesis 25 ECTS
Network Security 10 ECTS		Cloud Computing Security 5 ECTS	
Software Security & Ethical Hacking 10 ECTS			
		Complex Problem Solving & Leadership 5 ECTS	

The size of the visualised modules does not reflect the weighting of the course content.

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)
+43 2742 313 228-333
csc@ustp.at

Curriculum

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

2 nd 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

3 rd Semester	ECTS
Cloud Computing Security	4
Presentation	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

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



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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.