

```
ST. PÖLTEN UNIVERSITY  
OF APPLIED SCIENCES  
[1000 hosts]  
host: at 19:37, 0.99s elapsed  
-156  
from 0 to 5 due to 52 out of 172 dropped probes since last increase.  
from 5 to 19 due to 67 out of 223 dropped probes since last increase.  
from 10 to 29 due to 13 out of 41 dropped probes since last increase.  
from 20 to 49 due to 11 out of 24 dropped probes since last increase.  
from 40 to 89 due to 14 out of 45 dropped probes since last increase.  
.15s elapsed (1000 total ports)  
t scanme.nmap.org (45.33.32.156)  
scanme.nmap.org (45.33.32.156)  
rtt of -83959 microseconds. Ignoring time.  
rtt of -83959 microseconds. Ignoring time.  
rtt of -83748 microseconds. Ignoring time.  
rtt of -83748 microseconds. Ignoring time.  
5.33.32.156)  
t scanned): 2600:3c01::f03c:91ff:fe28:bb2f  
  
c  
K(4.X (89%), HP embedded (85%)  
os:/o:linux:linux_kernel:3 cpe:/o:linux:linux_kernel:4 cpe:/h:hp:p2000_g3  
3.13 (89%), Linux 2.6.22 - 2.6.36 (88%), Linux 2.6.39 (87%), Linux 3.10 - 3.19 (87%), Linux 3.2 - 4.  
3.10 (85%), Linux 2.6.26 - 2.6.35 (85%), Linux 2.6.32 (85%)  
ditions non-ideal).  
g 13 16:29:47 2015)  
(Good luck!)  
  
/nmap  
ny Inconnect results at https://nmap.org/submit/ .  
nned in 82.43 seconds  
00KB) | Rcvd: 1418 (58.840KB)
```



# Cyber Security and Resilience

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

MASTER | DUAL | ENGLISH

# Cyber Security and Resilience

The development and operation of secure and resilient information systems is a basic requirement for the functioning of our digital society. The English-language study programme ideally prepares you for a job in that field and offers you the best career opportunities – both at home and abroad. The study programme aims at providing you with the necessary knowledge to develop and operate secure and resilient information systems and digital services.

## Your Studies

The dual structure of the master degree programme allows you to put their acquired know-how into practice directly at our partner companies. In this way, you achieve the best possible learning outcomes and you are well prepared for current cyber security challenges.

- **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

Recent studies have shown that experts in the field of cyber security and resilience are in urgent demand. After completing this study programme, you will be a sought-after specialist with various different career opportunities and professional prospects.

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**



**Academic degree**  
Master of Science in  
Engineering (MSc)



**Watch Video**  
[fhstp.ac.at/mcr](https://fhstp.ac.at/mcr)



**Tuition Fees**  
363.36 € per semester  
+ Student Union Fee



**How to Apply**  
[fhstp.ac.at/guide](https://fhstp.ac.at/guide)



**Study Places/Year: 30**



**Dual  
English**

# What Makes Your Studies Unique

## Dual learning

The design as a dual-system programme offers you not only a comprehensive theoretical education but also participation in real projects at companies and partner institutions. An education at the highest scientific level in combination with a strong practical orientation provides you with excellent career opportunities.

## Modern infrastructure

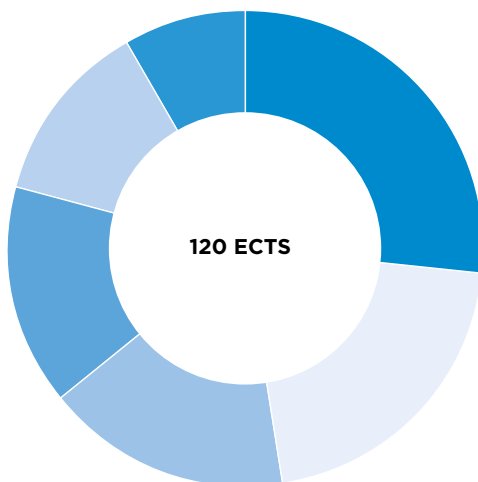
St. Pölten UAS has state-of-the-art laboratories as well as a Cyber Defense Center training environment. You can use the entire infrastructure around the clock, even off campus.

## Blocked courses and Specialization

This type of teaching enables you to focus on one subject at a time and ensures a balanced workload and an even distribution of the tasks. Furthermore, you can select your specialization and create individual learning paths.

## Linguistic competence

The fact that the teaching language is English promotes your skills of expression. Equipped with profound knowledge and linguistic competencies, you are well prepared for a career in the international field of cyber security and resilience.



# Curriculum

## 1<sup>st</sup> year of studies

1 <sup>st</sup> 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

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

## 2<sup>nd</sup> year of studies

3 <sup>rd</sup> semester	ECTS
Cloud Computing Security	4
Presentation II	1
Dual Project: Security Auditing & Testing	6
Dual Project: Specialization	7
Mentoring: Security Auditing & Testing	1
Mentoring: Specialization	1
Specialization I	5
Specialization II	5

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



**Current course  
schedule**

[fhstp.ac.at/mcr](https://fhstp.ac.at/mcr)



[fhstp.ac.at](https://fhstp.ac.at)

Seize the opportunity to study at the new Campus St. Pölten - an innovative Campus of the Future with highly modern teaching and learning spaces and future-oriented workplaces.

St. Pölten  
**Campus**



**Diversity on Campus St. Pölten | Everybody is welcome: Inclusion, gender equality, and diversity are important to us. Our campus can be accessed barrier-free. Please contact us in due time so that we can take your personal needs into account.**



09/2022