



**STEINBEIS UNIVERSITY**  
Schools of Next Practices

**M.SC.**

**APPLICABLE AI &  
CYBERSECURITY  
(On Campus)**



**UP TO 30%  
SCHOLARSHIP  
AVAILABLE**

*Excellence You  
Can Trust*

# Powering the Future with Applied AI & Cybersecurity

This program equips students with the skills to design, secure, and manage modern AI systems, combining artificial intelligence, cybersecurity, and data-driven decision-making to address emerging digital challenges.

1

## **DESIGN AND OPERATE AI SYSTEMS**

with secure cloud infrastructure, DevSecOps, and advanced AI security techniques.

2

## **ANALYZE SECURITY DATA AND RISKS**

using security analytics, reliability engineering, and decision intelligence.

3

## **IMPLEMENT AI AND CYBER GOVERNANCE**

integrating EU regulations, data protection, and security-by-design.

4

## **LEAD INTERDISCIPLINARY TEAMS**

communicate complex topics clearly, and manage technology-driven projects.

# Program Overview



24 months



Berlin, Germany



120 ECTS



Full-time



English



24 Months



April, July,  
October,  
January

## Tuition Fees

Per Semester

EUR 5,950.00



Additional: €250 Admission  
Fee + €250 Examination Fee

# Key Modules Overview

## SEMESTER 1

- Applied Machine Learning for Security Analytics
  - Cybersecurity Foundations & Threat Modeling
  - Secure Software Engineering & Secure Coding
  - Data Engineering for AI Systems
  - AI Governance, Ethics & Compliance
- 
- **PROJECT STUDY WORK**

## SEMESTER 2

- Philosophy of Science and Research Methods
- Deep Learning & Multimodal AI
- Secure Cloud Architectures & DevSecOps
- AI-driven Threat Detection & Incident Response
- Cryptography, Zero Trust & Identity
- AI Security I: Adversarial ML, LLM Security & Red Teaming

## SEMESTER 3

- LLM Engineering: RAG, Tool Use, and Enterprise Knowledge Systems
  - Agentic AI & Secure Automation
  - MLOps/LLMOps & Reliable AI Operations
  - Privacy-Preserving Machine Learning
  - Human-Robot & Cyber-Physical Systems Security
  - AI Security I: Adversarial ML, LLM Security & Red Teaming
- 
- **STUDY WORK**

## SEMESTER 4

- Secure Data Products & Knowledge Graphs
  - Industry / Transfer Project
- 
- **MASTER THESIS**



# Why choose this program?

- Immersive learning in Berlin's entrepreneurial ecosystem
- Lead agile, cross-functional teams through transformation
- Get equipped to launch ventures or innovate from within
- Access mentorship, scholarships, and industry networking

# Admission Requirements

## Education Background

1. A recognized Bachelor's degree (minimum 180 ECTS) in Computer Science, IT, Computer Engineering, Data Science, or a related field.



## Language requirements

2. Proof of English through IELTS (6.0) or equivalent or proof of English as language of Instruction in the Bachelor degree

## Documents

3. Updated CV  
Official university certificate (degree)  
Academic transcript

## Specialized or Additional Requirements

4. Applicants with different academic backgrounds must demonstrate Level 6 qualification (German Qualifications Framework), including 30 ECTS in Mathematics, Statistics, or Programming.  
Conditional admission may be granted, with missing ECTS to be completed within 9 months after enrollment.

# Career Opportunities

- AI Engineer
- Cybersecurity Analyst or Security Engineer
- Data Scientist or Data Analyst
- Cloud Security or DevSecOps Engineer
- AI Governance & Compliance Specialist
- Cyber Risk & Security Consultant

Graduates may work in **technology companies, financial institutions, healthcare organizations, government agencies, or AI-driven startups, or pursue doctoral research.**



# The Insider Platform

**Your gateway to smarter, flexible, and efficient learning.**

The INSIDER Platform, developed by S-Next's CEO, Prof. Dr. Mario Vaupel, provides an efficient way for students to access modules, materials, and assignments. It also simplifies grading and evaluation for lecturers, enabling students to learn and progress from anywhere.



To enhance the experience, we launched a mobile and web app in February 2024, making it easier to access course modules via PC, tablet, or smartphone. The interface is intuitive and designed to guide students through their learning path with ease.

# Blocked Account & Health Insurance for International Students

International students in Germany must open a blocked account and arrange valid health insurance for visa and enrollment purposes.

S-Next cooperates with Expatrio, a digital platform that helps students set up both easily in one place.



## Benefits :

- Open your blocked account online in a few minutes
- Combine blocked account + health insurance in one platform  
Accepted for German visa applications
- English-language support for international students  
Secure, transparent, and easy to manage



**STEINBEIS UNIVERSITY**  
Schools of Next Practices

# SHAPE YOUR ACADEMIC FUTURE WITH US

For Program Information  
Visit Our Website



[www.steinbeis-next.de](http://www.steinbeis-next.de)

Contact us for Application  
assistance

email: [studentadvisory@steinbeis-next.de](mailto:studentadvisory@steinbeis-next.de)



phone: +49(0)32 221 09 074

