

# CYBER SECURITY

## FULL-TIME COURSE

Learn to protect networks and applications in today's volatile world. The rapid threat evolution requires a very different skillset.

## SPONSORED EDUCATION

You can attend these AZAV certified courses for free, when the German unemployment office provides you with a training voucher.

## FIELD THAT IS 8 STEPS AHEAD OF DIGITAL THREATS

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Become one of those few experts, who know how to defend our critical infrastructure (e.g., hospitals, power stations, factories, schools) against those, who want to disrupt the freedom we too often take for granted.



# CYBER SECURITY



## COURSE SECTIONS

This 6 month full-time course has following 7 core chapters:

- Introduction
- Risk Vectors
- Policies and Standards
- Cyber Security Management
- Applied in the field
- Design Strategies
- Advanced Cyber Security

## TECHNICAL REQUIREMENTS

Minimum equipment needed in training:

- Core i3, 4 GB RAM, 50 GB Disk space
- Win 7 / MacOS X / Linux
- Internet: 25 MBit/s & Chrome Browser
- Audio: Headset (Webcam is optional)

## WHO SHOULD ATTEND?

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It is an intensive but fast approach to cyber security training. Thereby, the technical staff are well equipped to interact with potential cyber threats and situations.

The training was specifically designed for people wanting to work in banking & different industries. This is a steady path to transform your existing reaction from overwhelmed to proactive cyber defence.

Participants will be trained to handle unexpected crisis as well as build the strength to deter cyber criminals.

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## LEARNING ENVIRONMENT

This course is conducted in a **virtual classroom**. The tutors **teach live** via video streaming.

You only need a computer and internet connection to participate in the class.

Breakout groups help **strengthen your skill set** as cyber-threats often need a team of cyber-defenders who share the challenge of protecting an organization against digital attackers.

Having fun while learning an exiting new array of skills, creates a thirst to gain more knowledge in an area of personal interest.

That is where the platform provides a library with interactive and current information material that expands your scope of knowledge.

## WHO WILL TEACH ME?

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ACATO is a IT solutions company that develops its own technology.

Its global clients (corporations and security services) have been using to re-skill their existing staff.

Therefore, trainers are first selected based on their niche expertise and talent. Only then trainers are rated based on their ability to up-skill those who are new to this exclusive area of cyber security.

Cyber defense is mission critical in times of hybrid cyber warfare.

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## FREE CONSULTATION

As this kind of course subject is very complex, it is advisable that you get in contact with the **training advisors** of ACATO.

Being an **international training academy**, our team and participants speak multiple languages.

We are happy to **explain this training opportunity** in multiple languages (English, German, Spanish, Turkish, Polish, Ukrainian and Russian).

We will also help you understand the process you need to follow to gain a training voucher for these government sponsored training.

## HIRING CS ENGINEERS?

The private sector, charities, NGO's and government facilities are desperate to hire well trained Cyber Security Engineers (CSE).

Following organizations are hiring:

- Aerospace Industry
- Car Manufacturers
- Police & Armed Forces
- Software companies
- Innovative Startups
- Chemical and Pharmaceuticals
- Hospitals and Schools
- Retail, Hospitality & Travel

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# COURSE STRUCTURE

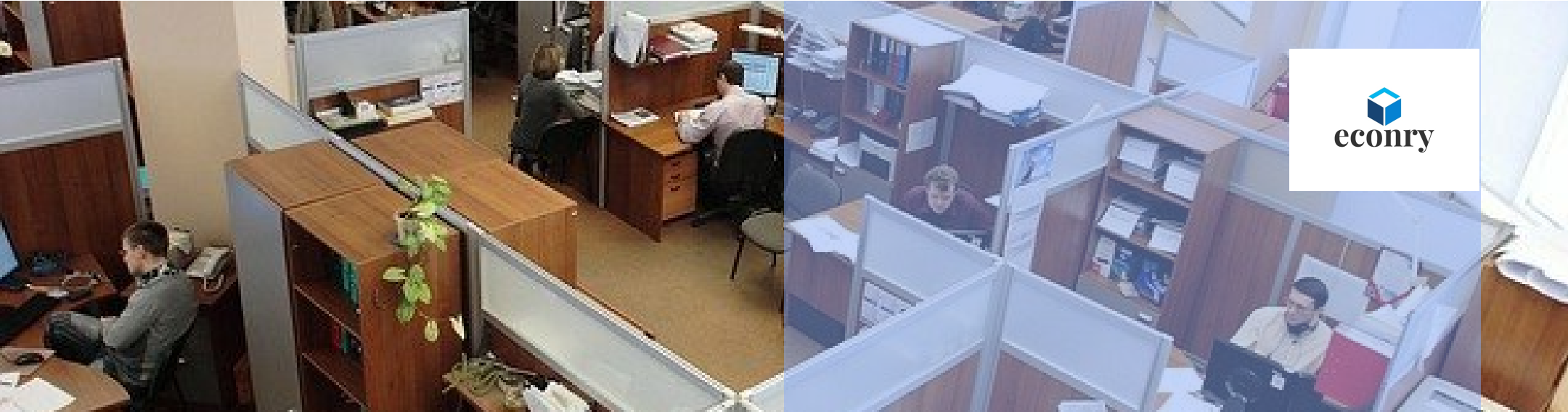


DURATION	MODULE	MODULE DESCRIPTION	UNITS/LESSONS			
2 weeks (90 UE)	Introduction	Introduction to Cyberspace and the Fundamentals of Cybersecurity	<ul style="list-style-type: none"> <li>• Cybersecurity and Cyberspace Introduction</li> </ul>	<ul style="list-style-type: none"> <li>• Basic Knowledge</li> <li>• Information Security and Risk</li> </ul>	<ul style="list-style-type: none"> <li>• Structures of Cyberspace</li> <li>• Protocols and Platforms</li> </ul>	<ul style="list-style-type: none"> <li>• Security Architecture and Management</li> </ul>
2 weeks (90 UE)	Risk Vectors	Understanding and identifying Risk Vectors in a dynamic world of turmoil	<ul style="list-style-type: none"> <li>• Supply Chain/Vendors</li> </ul>	<ul style="list-style-type: none"> <li>• Remote- and Proximity-access Attacks</li> </ul>	<ul style="list-style-type: none"> <li>• Insider Access (Local-access Attacks)</li> </ul>	<ul style="list-style-type: none"> <li>• Mobility Risks, BYOD and Emerging Trends</li> </ul>
1 week (45 UE)	Policies and Standards	Gain a thorough understanding of International Cybersecurity Policies and Standards	<ul style="list-style-type: none"> <li>• International Cybersecurity Organizations</li> </ul>	<ul style="list-style-type: none"> <li>• International Standards and Requirements</li> </ul>	<ul style="list-style-type: none"> <li>• National Cybersecurity Frameworks</li> </ul>	<ul style="list-style-type: none"> <li>• Cybersecurity in National and International Law</li> </ul>
4 weeks (180 UE)	Cybersecurity Management	Cybersecurity Management allows you to meet standards and implement a better security framework.	<ul style="list-style-type: none"> <li>• Practices, Policies and Organizations for Cyber Resilience</li> </ul>	<ul style="list-style-type: none"> <li>• National Cybersecurity Frameworks</li> </ul>	<ul style="list-style-type: none"> <li>• Cyber Forensics (Email, Files, Memory, Back doors, Reporting)</li> </ul>	<ul style="list-style-type: none"> <li>• National-level Security Audit and Assessment</li> </ul>
4 weeks (180 UE)	Applied in the field	Cybersecurity applied in the field is a complex assortment of threat zones which require appropriate handling.	<ul style="list-style-type: none"> <li>• Operating System Security</li> </ul>	<ul style="list-style-type: none"> <li>• Design systems to secure applications, networks, devices</li> </ul>	<ul style="list-style-type: none"> <li>• Best Response to Trojans, Ransomware and Viruses</li> </ul>	<ul style="list-style-type: none"> <li>• How to keep cyber espionage outside and mitigate crisis</li> </ul>
6 weeks (270 UE)	Design Strategies	Design Strategies understand the nature of attackers and strengthen an organisation using economical risk mitigation.	<ul style="list-style-type: none"> <li>• Build a hacker mindset and defend against future attacks</li> </ul>	<ul style="list-style-type: none"> <li>• Design and engineer the IT Security of an organisation</li> </ul>	<ul style="list-style-type: none"> <li>• Manage the overall security posture of an organization</li> </ul>	<ul style="list-style-type: none"> <li>• Tech, App. &amp; Policy</li> <li>• Usable Privacy &amp; Security</li> </ul>
6 weeks (270 UE)	Advanced Cybersecurity	Learn how take your organisation to a higher level of security while understanding the capabilities of cyber intelligence organisations.	<ul style="list-style-type: none"> <li>• Cryptography &amp; Protecting Trade Secrets</li> </ul>	<ul style="list-style-type: none"> <li>• Applied Machine Learning for Cyber Security</li> </ul>	<ul style="list-style-type: none"> <li>• Security: economic, legal, behavioural, and ethical</li> </ul>	<ul style="list-style-type: none"> <li>• Defending against Cyber warfare</li> <li>• Case Studies</li> </ul>
1week (45 UE)	Certification Preparation	The Certification Exam to gain the Cyber Security Engineer Qualification.	<ul style="list-style-type: none"> <li>• Knowledge revision</li> </ul>	<ul style="list-style-type: none"> <li>•FAQs in Cyber Security</li> </ul>	<ul style="list-style-type: none"> <li>•Threat Scenarios</li> </ul>	<ul style="list-style-type: none"> <li>•Strategies for exam success</li> </ul>

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## GET IN TOUCH WITH US

# econry Virtual Academy

### LET US HELP YOU NOW

We would like to get in touch with you. Should you have any questions outside of office hours please feel free to send us an email. We will respond timely.

Remember to include a phone number so we can reach you also by phone for a **free consultation call**.

Phone: 089/54041070

Email: [info@econry.de](mailto:info@econry.de)

Chat: [econry.de/chat](https://econry.de/chat)

#### Availability Hours:

Monday - Friday 8:30-18:00

Saturday - Sunday 10:00 - 12:00

#### Course Catalogue:

<https://econry.de>



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