

AI+ Security Practitioner

Materials & teaching in English



Build the skills to detect threats, write security tools and defend systems.

Cyber threats are growing across every industry. Organisations need people who can protect systems, detect attacks and respond fast. That demand is not slowing down, and the skills gap is real. If you want to build a career in cybersecurity, the window is open right now.

The course takes you from the ground up. You start with how networks work, how operating systems are secured and how threats are identified and classified.

From there you move into Python and Bash scripting. You write real code, automate tasks and build tools that security professionals use every day.

You apply machine learning to detect malware, phishing and network

anomalies. You explore AI-based authentication and learn how proactive, adaptive defence systems are built. These are the techniques being used in security operations right now.

You finish with a capstone project where you bring everything together to tackle a real-world cybersecurity challenge. Along the way you also cover incident response, open-source security tools and the regulatory frameworks that govern the field. It is something concrete you can talk about in an interview and show as proof of what you can do.

The course concludes with an exam. Included is 1 certification attempt for the AI+ Security Level 1 certification - a documented, verifiable proof of your skills that carries weight in a job application.

You will learn



Introduction to Cybersecurity

- Explore cybersecurity and why it matters
- Understand how the internet is vulnerable to threats
- Learn practical ways to protect data and systems



Machine Learning Beginner

- Understand how machine learning algorithms work
- Explore supervised and unsupervised learning
- Apply machine learning to data-driven decisions



Command Line and Bash Scripting

- Discover the power of the command line
- Automate repetitive tasks with Bash scripting
- Increase speed and productivity as a developer



Python Programming

- Work with Python fundamentals: control flow and OOP
- Work with decorators, iterators and advanced concepts
- Build real solutions with hands-on code challenges



AI and Cybersecurity Integration

- Detect malware and anomalies with machine learning
- Explore AI-based authentication and GANs for defense
- Build a foundation in AI-driven threat detection



Capstone Project and AI+ Certification

- Solve real-world challenges in a capstone project
- Pass the online proctored AI+ Security Level 1 exam
- Earn a verified certification upon completion

The course is for you if you...

- ✓ Want to build a career in cybersecurity and are ready to develop real technical skills in Python, machine learning and AI-driven threat detection.
- ✓ Have an interest in tech or IT and want a structured path into security, ending with a recognised certification you can document and show to employers.

Course structure

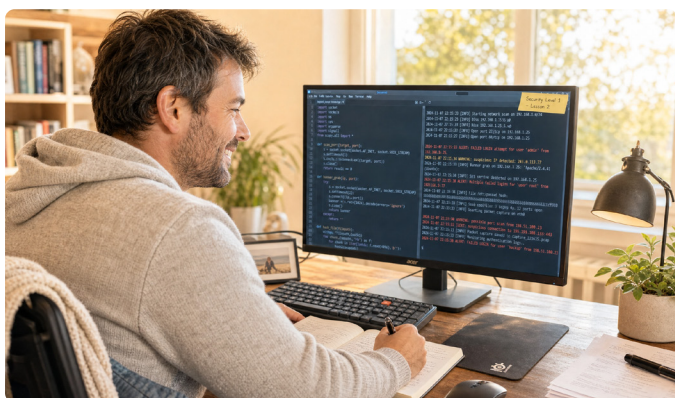
The course includes self-paced online sessions, Labs and a Final Exam assessment. You also get access to a library of e-books.

Certification

The course concludes with an exam. Included is 1 certification attempt for the AI+ Security Level 1 certification. The attempt must be used within 1 month of completing the course.

Careercoach

You also can spar with Itucation's career coach regarding CV, application and job strategy. If you wish to take advantage of this offer, please send an email to kurser@itucation.dk



Upcoming courses

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Information & Pris

Location	E-learning, Selfstudy
Classes	5 days a week
Duration	6 weeks
Price for applicants	Free for unemployed*
*Free, if you fulfil the criteria for 6-week job-oriented training programs via the Jobcenter	
Price for jobcenter:	Kr. 19.600 (ex. moms)
Sign-up	www.itucation.dk Or contact us on 7027 2784

Information til a-kasser og jobcentre

Regional positivliste

E-learningkurset er godkendt.

Se vores hjemmeside for listetitel og

listenumre.

Pris

Kr. 19.600 (ex. moms)

Ugepris: kr. 3.266,66 (ex. moms)

Betalingstilsagn sendes til

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