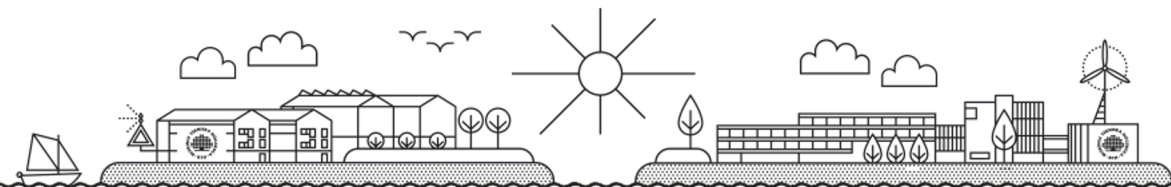


Cybersecurity Certifications

March 22nd, 2023



I know how to be certified...

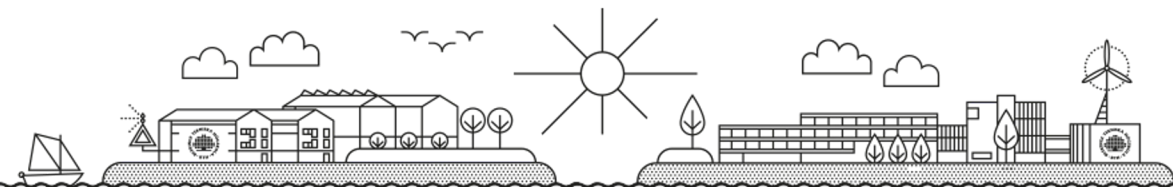


Cybersecurity certifications:

CISSP, CISM, SSCP, CEH, CHFI, ECSA, ECIH, CCISO, CND, CTIA, CSA, Security+, CSXF, 27001 Lead Implementer, CISSM, CVA, CCNA CyberOps, Azure Security Engineer Associate (AZ500), etc.

Trainer:

- ISACA Accredited Trainer
- Certified EC-Council Instructor
- (ISC)2 Official Training Instructor
- PECB Certified Trainer
- Certified mile2 Instructor



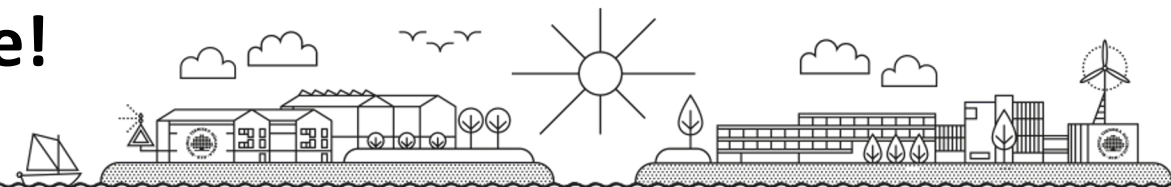
Why to certify



- **Projects, tenders!**
- Employment opportunities
- Employer retention policy and value
- Increased knowledge and qualifications / **education**
- As employee benefit by employer

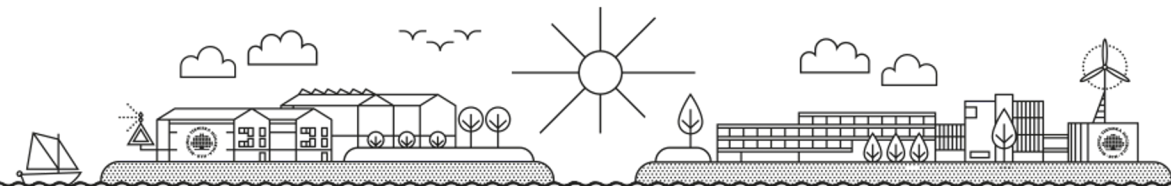


as consequence -> **raise the income!**



The basement of any certification is **RECOGNITION**

How to check? Go to the LinkedIn of any jobseeker site...



Certification types

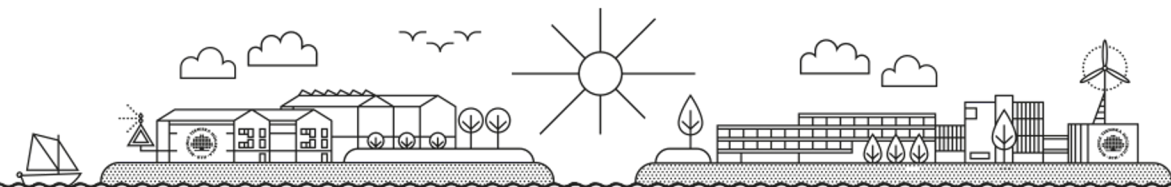


Producer

- **Vendors certifications**
 - **Ecosystem:** CISCO, Microsoft, Hewlett Packard, IBM, Oracle, VMware, Check Point, AWS, GCP, etc.
 - **Tool:** Burp Suite, EnCase Forensic, CrowdStrike, AccessData, etc.
- **Vendor-neutral certifications**
 - (ISC)2, SANS, ISACA, EC-Council, Mile2, Offensive Security, INE (eLearnSecurity), etc.
- **Community certifications:**
 - IACIS, ISFCE, etc.

Certification type

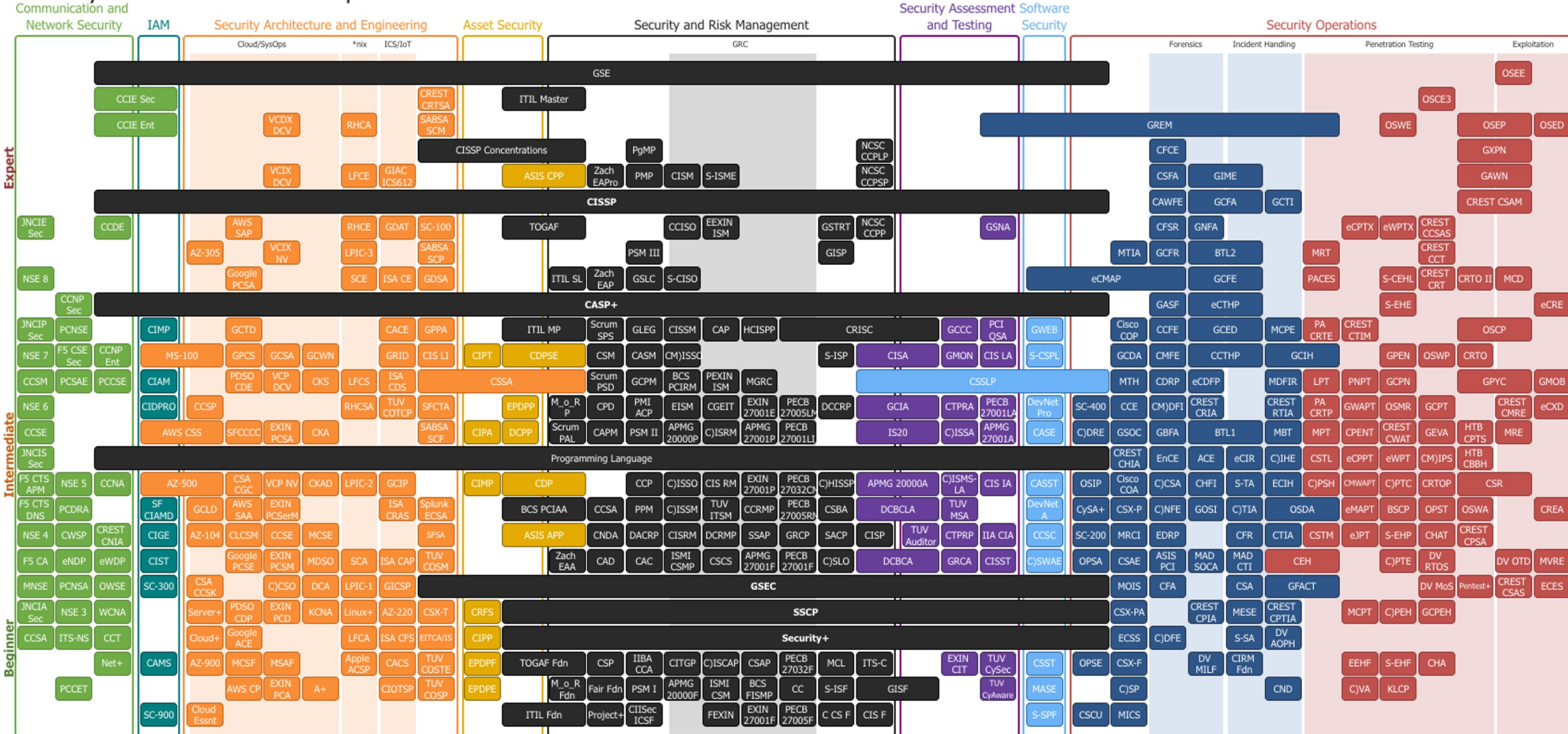
- Knowledge based : theory + exam
- Action based: practice + result
- Experience based: theory + exam + experience
- Hybrid..



Cybersecurity certifications world

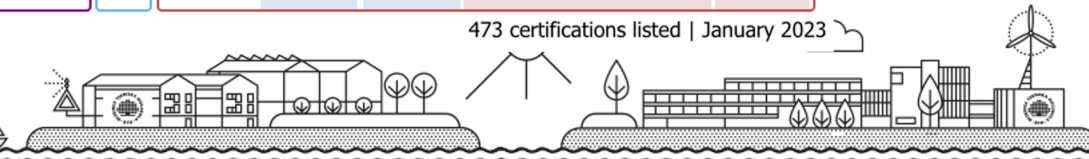


Security Certification Roadmap



473 certifications listed | January 2023

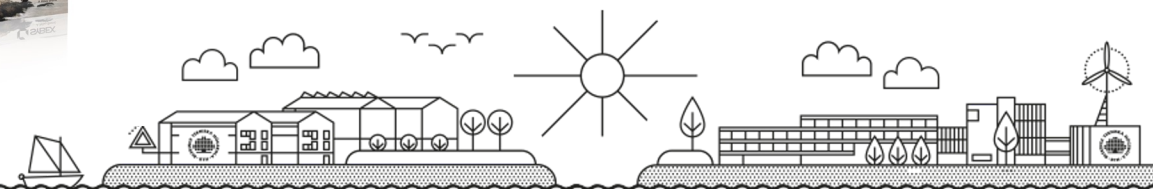
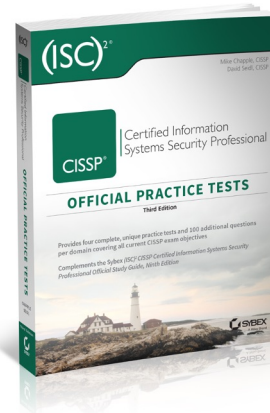
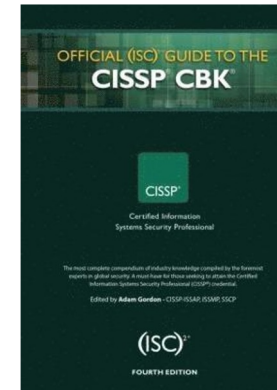
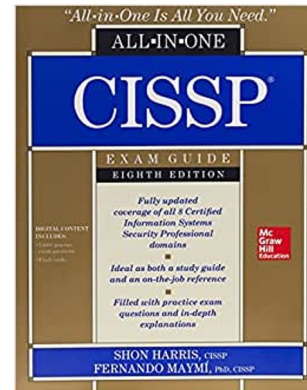
<https://pauljerimy.com/security-certification-roadmap/>



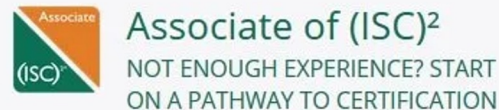
Certification Preparation



- Accredited/Official:
 - Bootcamp Trainings
 - Practical Labs
 - Online platforms
 - Books/Materials
 - Tests
- Un-official:
 - Videos
 - Books/Presentations
 - Labs
 - Tests



(ISC)2

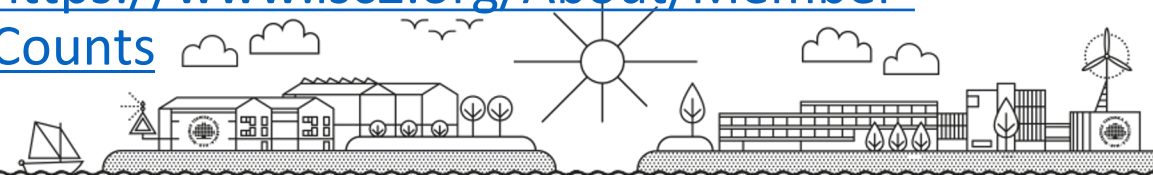


- SSCP - mini CISSP
- 150 questions 4 hours / 70%

- CISSP - oldest cybersecurity certification
- 250 questions + 6 hours -> 100-150 questions 3 hours / 70%
- Everything from glass and doors to the RBAC and theoretical models
- 5 years of experience + approval from (ISC)2 member

716 in Sweden (except me :))

<https://www.isc2.org/About/Member-Counts>



ISACA



Big Four



Other



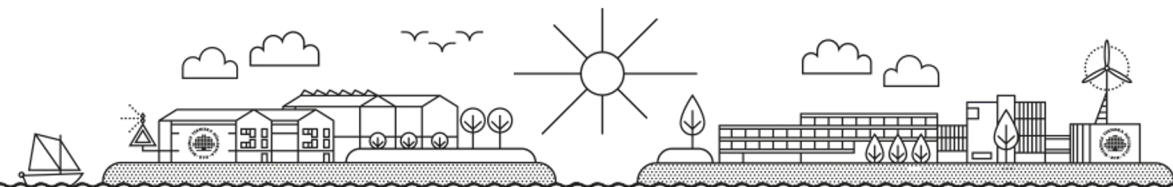
- CISM - hardest certification I had
- All answers are right - choose the best
- 150 questions 4 hours

■ 17% **DOMAIN 1** – INFORMATION SECURITY GOVERNANCE

■ 20% **DOMAIN 2** – INFORMATION SECURITY RISK MANAGEMENT

■ 33% **DOMAIN 3** – INFORMATION SECURITY PROGRAM

■ 30% **DOMAIN 4** – INCIDENT MANAGEMENT

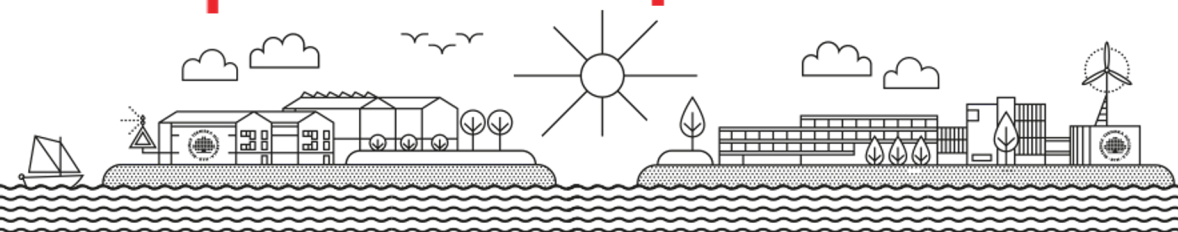
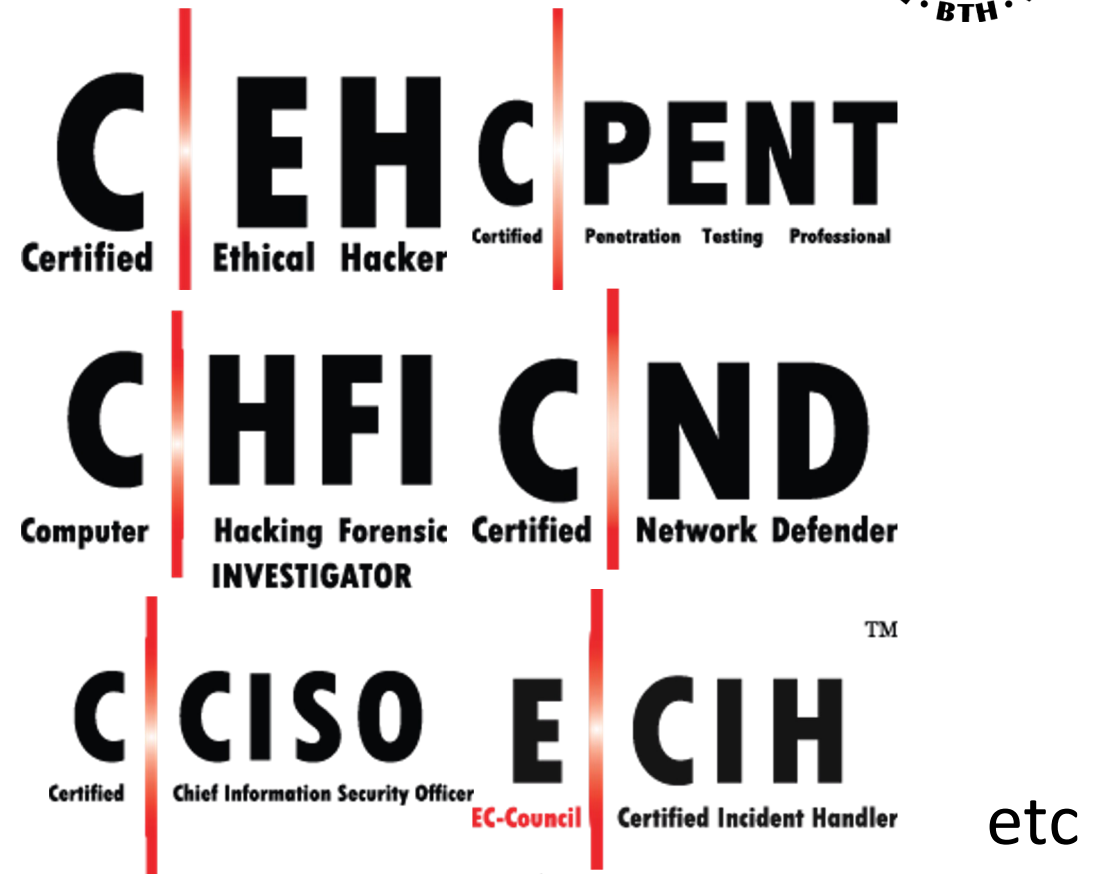


EC-Council



- CEH - first certification in hacking/penetration testing
- 125 questions 4 hours / 70%
- My first one...

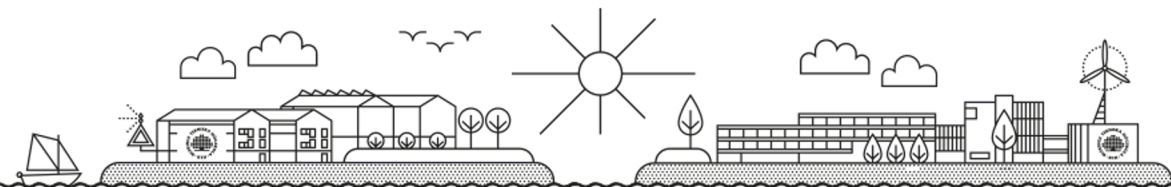
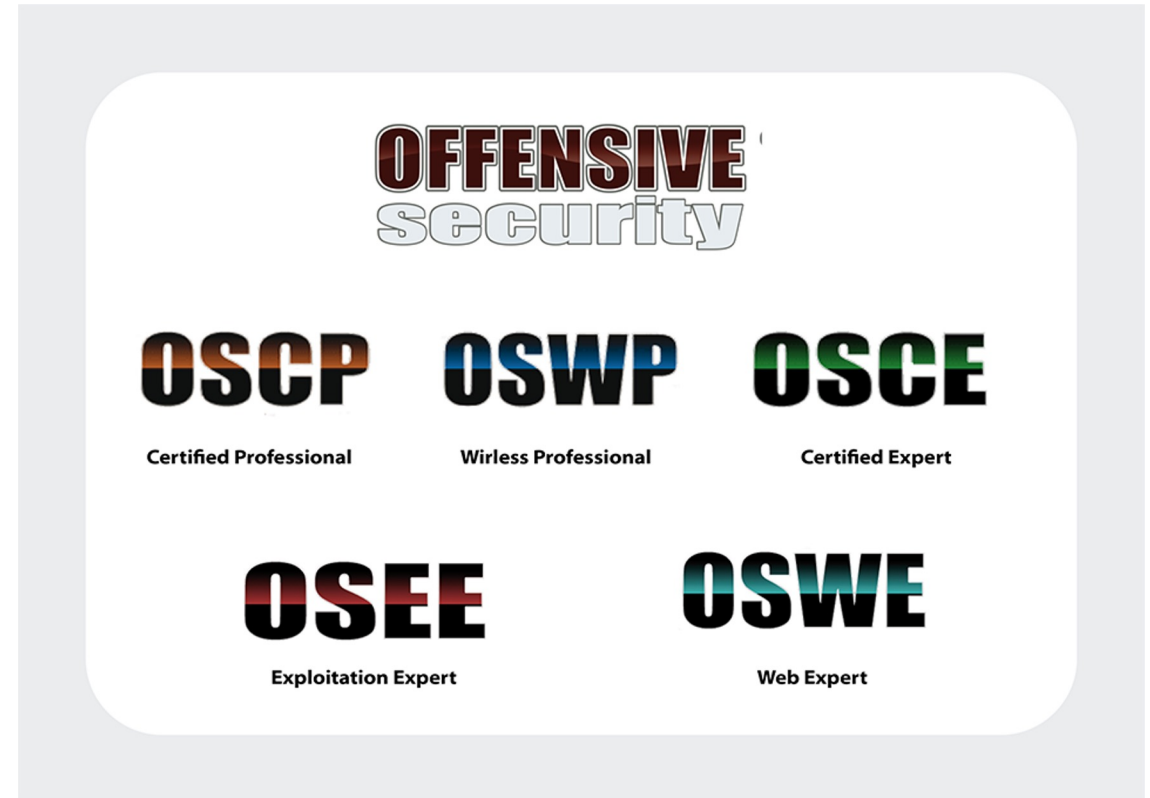
CPENT - practical in virtualized environment: 1 from 3 vulnerabilities



Offensive Security



- Fully practical
- Come with labs and small materials
- “Try harder”
- “Enumeration is the key”



SANS



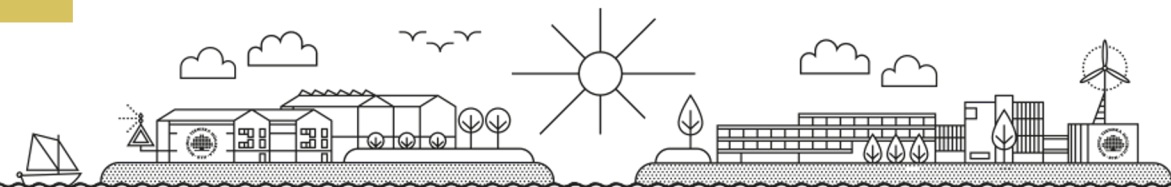
1. Expensive
2. Material hunting - true story
3. You are GOD!



106-180 questions

Time limit of 4-5 hours

70-73%



CompTIA

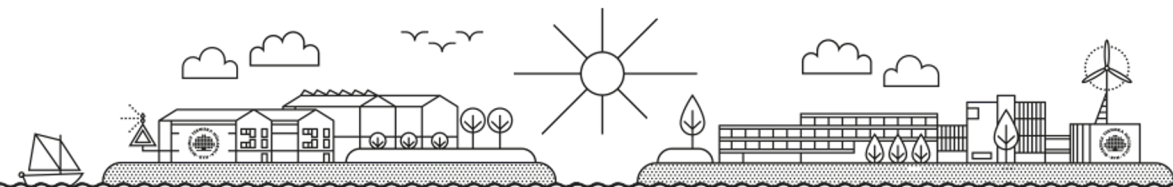


- 85-90 questions
- 90-165 minutes
- 750 (on a scale of 100-900)



Combination of:

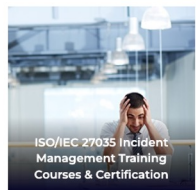
- tests
- practical assignment task



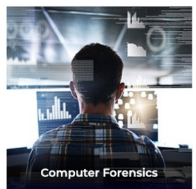
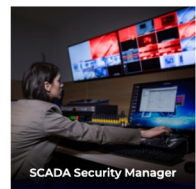
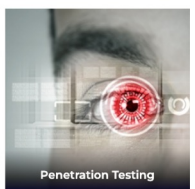
PECB



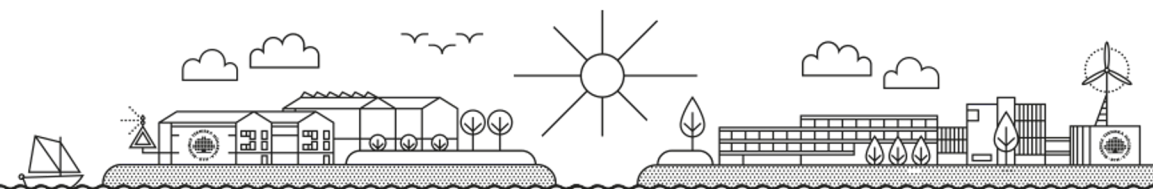
INFORMATION SECURITY



CYBERSECURITY



Standard/Area	Level	Languages available	Duration in hrs	Exam Type	Closed/Open book	Number of questions	Available online	Available on paper
Certified Lead Ethical Hacker	Lead Ethical Hacker	English	6	Essay Type	Open Book	10	Yes	No
Certified Lead Ethical Hacker	Lead Ethical Hacker	French	6	Essay Type	Open Book	10	Yes	No
Certified Lead Forensic Examiner	Certified Lead Forensic Examiner	English	3	Essay Type	Open Book	14	Yes	Yes
Certified Lead Pen Test Professional	Certified Lead Pen Test Professional	English	3	Multiple Choice	Closed Book	150	Yes	Yes
Certified Lead Pen Test Professional	Certified Lead Pen Test Professional	French	3	Multiple Choice	Closed Book	150	Yes	Yes
Certified Lead SCADA Security Manager	Lead Manager	English	3	Multiple Choice	Closed Book	150	Yes	Yes



Cisco



100 - 150 questions

2 - 3 hours

3 years of validity



CyberOps Associate



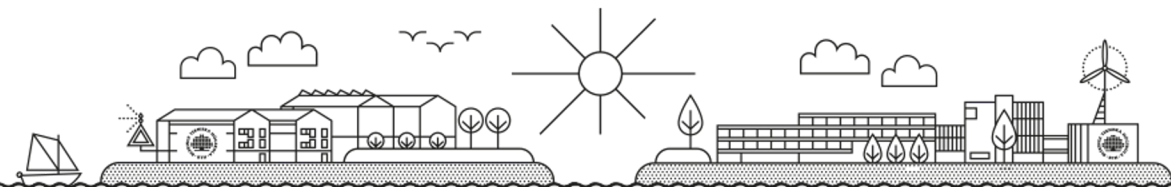
CyberOps
Professional



CCNP Security



CCIE Security



Microsoft



CERTIFICATION
Microsoft Certified: Azure Security Engineer Associate

ExamAZ-500
Azure • Security Engineer • Intermediate



[+ Add](#)

CERTIFICATION
Microsoft Certified: Cybersecurity Architect Expert


ExamSC-100
Microsoft Defender • Administrator • Advanced



[+ Add](#)

CERTIFICATION
Microsoft Certified: Identity and Access Administrator Associate


ExamSC-300
Azure • Administrator • Intermediate



[+ Add](#)

CERTIFICATION
Microsoft Certified: Information Protection Administrator Associate

ExamSC-400
Office • Administrator • Intermediate



[+ Add](#)

CERTIFICATION
Microsoft Certified: Security Operations Analyst Associate

ExamSC-200
Azure • Security Engineer • Intermediate

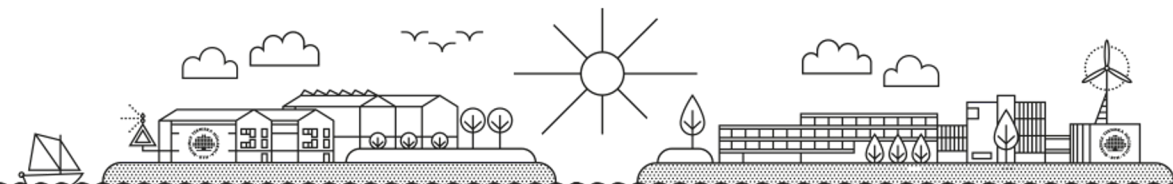


[+ Add](#)

Office 365, Azure, Windows

AZ-900

- Exam Duration: 90 minutes.
- Number of Questions: 40-60.
- Passing Score: 700.



Certification Validity and Maintenance



CPE/ECE based

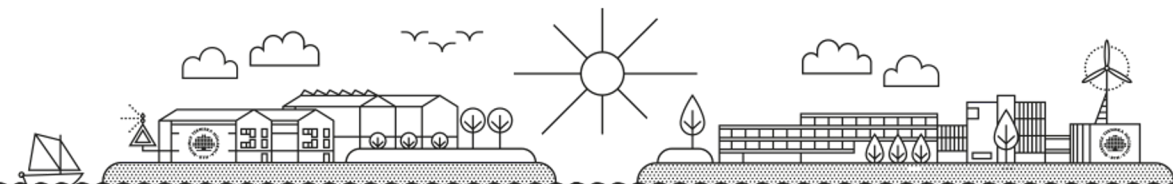
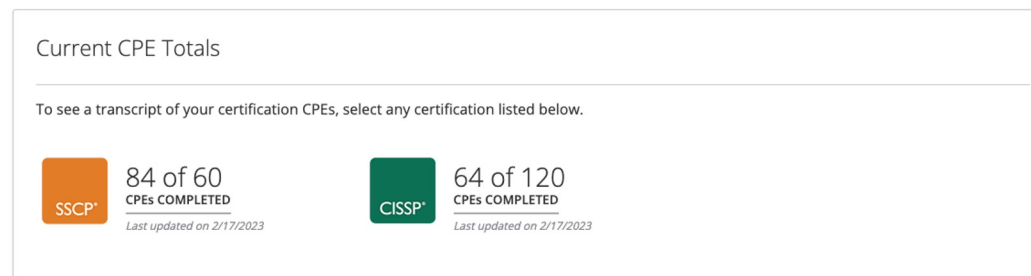
- ISACA (3)
- (ISC)2 (3)
- EC-Council (3)
- PECB (3)
- CompTIA (3)

Re-exam/Continuous based

- Cisco (3)
- Microsoft (1)
- AWS (1)

Forever

- Offensive Security

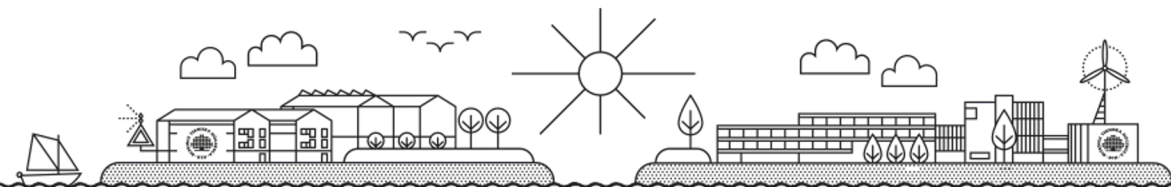


Be careful with certification track

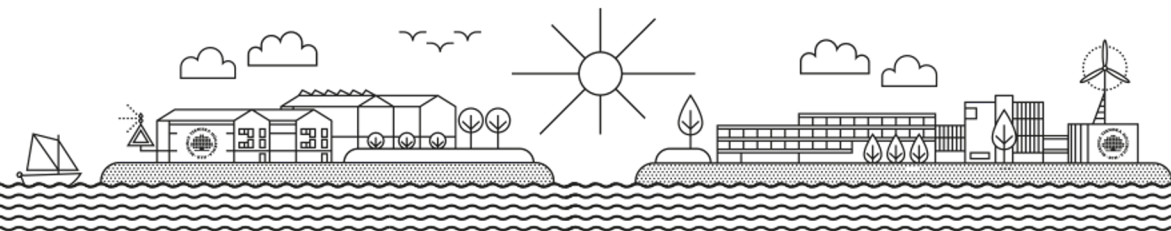


- Too many different certifications -> “Certification Hunter”
- Better to have clear track from beginner to advanced

from other perspective: Too Much Is Never Enough +
Formality (HR, tenders, projects, etc.)



Any questions?



Upcoming Courses

Application for Autumn 2023 Courses is now open

- [Applied Cryptography 5 credits](#)
- [Development Security Operations \(DevSecOps\) 7.5 credits](#)
- [Security for Critical Infrastructure \(Operational Technology\) 7.5 credits](#)
- [Security Inventory for Software Development 3 credits](#)
- [Software Security 7.5 credits](#)
- [Trusted Systems 7.5 credits](#)
- [Web System Security 7.5 credits](#)

All courses are:

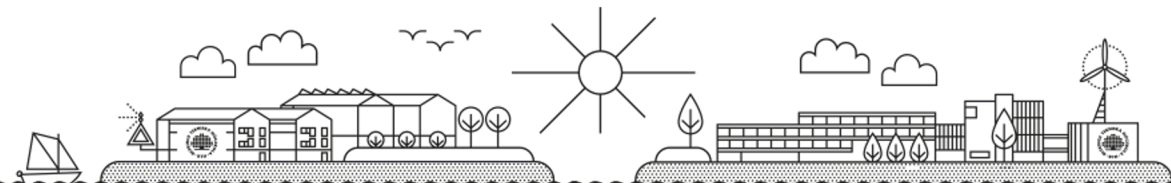
- Designed for professionals
- Given Online and flexible
- App 25% Study Pace
- Free of charge, University credits

Questions about Application?

Contact Monique Johansson mow@bth.se or Anna Eriksson aes@bth.se



BLEKINGE
INSTITUTE OF
TECHNOLOGY



Entry Requirements



BLEKINGE
INSTITUTE OF
TECHNOLOGY

- PROMIS courses requires at least 120 credits, of which at least 90 credits are in a technical area, and a minimum of 2 years professional experience within an area related to software-intensive product and/or service development (shown by, for example, a work certificate from an employer).
- Even if you don't have the formal academic merits, you might be qualified for the course through validation. See more info on <https://promisedu.se/>
- **Apply via antagning.se or universityadmission.se**

All courses are:

- Designed for professionals
- Given Online and flexible
- App 25% Study Pace
- Free of charge, University credits

Questions about Application?

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