

Specialize in **CYBERSECURITY** at Aarhus University

The Department of Computer Science educates specialists within all branches of computer science. From 2024, students can specialize in **cybersecurity**, by completing 60 ECTS course work within **Cryptology** and **Programming Languages & Software Security**, and finalize their degree with a 30 ECTS Master Thesis within a topic related to cybersecurity.



AARHUS
UNIVERSITY
DEPARTMENT OF COMPUTER SCIENCE

Read more about our master's
degree programme



cs.au.dk/master

Cybersecurity encompasses topics like software, cryptography, system, network, application, cloud, critical infrastructure, data, endpoint, IoT, mobile, and operational security.

The specialization emphasizes deep technical and theoretical skills, anchored in world-leading research groups focusing on cryptography and programming languages.

When specializing in cybersecurity, students learn to design, build, and analyze secure software, protocols, and systems using advanced techniques from cryptography, program analysis, and semantics. The courses delve into cryptographic tools, network security, protocols, secure computation, malware analysis, software verification, and hardware security.

Aarhus University is

2 in the world in Cryptography

9 in the world in Programming Languages

CSrankings (world index from 2014-2024) April 2024



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