

DATAMATIKERMERIT DATALOGI



AARHUS
UNIVERSITY
DEPARTMENT OF COMPUTER SCIENCE

DATAMATIKERMERIT
SPRING 2025



COMPUTER SCIENCE- YEAR 2024 AND LATER

1st sem	Introduction to programming (10 ECTS)	Algorithms and data structures (10 ECTS)	Introduction to Mathematics and Optimisation (10 ECTS)
2nd sem	Computer Architecture, Networks and Operating Systems (10 ECTS)	Programming Languages (10 ECTS)	Computability and Logic (10 ECTS)
3rd Sem	Software Engineering and Architecture (10 ECTS)	Human-Computer Interaction (10 ECTS)	Introduction to Probability Theory and Statistics (10 ECTS)
4th Sem	Databases (10 ECTS)	Distributed Systems and Security (10 ECTS)	Numerical Linear Algebra (10 ECTS)
5th Sem	Electives (30 ECTS) OR Going Abroad <i>Recommended - Experimental System Development, Compilation, Machine Learning</i>		
6th sem	Bachelor's Project (15 ECTS)	Philosophy and Ethics of Computer Science and IT Product Development (5 ECTS)	Elective (10 ECTS)

- Auxiliary subject
- Compulsory (only IT)
- Compulsory (IT & CS)
- Elective
- Going abroad

COMPUTER SCIENCE- CREDIT TRANSFER

1st sem	Introduction to programming (10 ECTS)	Algorithms and data structures (10 ECTS)	Introduction to Mathematics and Optimisation (10 ECTS)
2nd sem	Computer Architecture, Networks and Operating Systems (10 ECTS)	Programming Languages (10 ECTS)	Computability and Logic (10 ECTS)
3rd Sem	Software Engineering and Architecture (10 ECTS)	Human-Computer Interaction (10 ECTS)	Introduction to Probability Theory and Statistics (10 ECTS)
4th Sem	Databases (10 ECTS)	Distributed Systems and Security (10 ECTS)	Numerical Linear Algebra (10 ECTS)
5th Sem	Experimental System Development (10 ECTS)	Electives (20 ECTS) <i>Recommended - Compilation, Machine Learning</i>	
6th sem	Bachelor's Project (15 ECTS)	Philosophy and Ethics of Computer Science and IT Product Development (5 ECTS)	Elective (10 ECTS)

-  Auxiliary subject
-  Compulsory (only IT)
-  Compulsory (IT & CS)
-  Elective
-  Credit Transfer (Datamatikemerit) (60 ECTS)

COMPUTER SCIENCE- CREDIT TRANSFER

1st sem	Introduction to Probability Theory and Statistics (10 ECTS)	Algorithms and data structures (10 ECTS)	Introduction to Mathematics and Optimisation (10 ECTS)
2nd sem	Numerical Linear Algebra (10 ECTS)	Programming Languages (10 ECTS)	Computability and Logic (10 ECTS)
3rd Sem	Electives (30 ECTS) <i>Recommended - Compilation, Machine Learning, Microcontroller systemer</i>		
6th sem	Bachelor's Project (15 ECTS)	Philosophy and Ethics of Computer Science and IT Product Development (5 ECTS)	Distributed Systems and Security (10 ECTS)

-  Auxiliary subject
-  Compulsory (only IT)
-  Compulsory (IT & CS)
-  Elective
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Særlig anbefaling vedr. valgfri kurser (se bachelorslide for generelle anbefalinger for valgfag):

SoftwareTeknologi

- [Microcontroller systemer \(5 ECTS\)](#)
 - kurset introducerer assembler, som bruges i kurset Oversættelse

Computerteknologi

- [Digitale kredsløb \(5 ECTS\)](#)
- [Computerspilteknologier \(5 ECTS\)](#)

VALG VED STUDIESTART

Du skal beslutte om du

- ønsker datamatikermerit, så bachelor i datalogi færdiggøres på 2 år, eller
- du IKKE ønsker datamatikermerit, men tager det fulde 3 års datalogistudium

Beslutningen kommunikeres ved et informationsmøde torsdag i rusdagene.

Hvis du ønsker merit:

- Du bliver tilmeldt sandsynlighedsteori og statistik (I stedet for Introduktion til Programmering)
- Du vil efter en dags tid kunne se dit skema på timetable.au.dk
- Du modtager snarest brev fra studiekontoret vedrørende datamatikermerit – besvar det!

Ca 1.november

- Verificer at du er tilmeldt forårets kurser (følg kassogrammet)

Ca April næste år

- Vælg valgfrit kursus/kurser og lav studiekontrakt inden kursustilmelding

For vejledning/spørgsmål kontakt
UA@cs.au.dk



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