




BACHELOR DEGREE IN 

SOFTWARE DEVELOPMENT

top-up
bachelor

The Bachelor programme in Software Development is a 1½ year top-up programme for students that have completed an AP Degree in Computer Science or equivalent.

As a Bachelor in Software Development you know how to handle the back-end part of big distributed IT systems based on large databases.





SOFTWARE DEVELOPMENT

For you who wants to work as a systems developer on large projects or as an architect responsible for the overall design of the system.



STUDY FORM

1. semester:

- > Databases for Systems Developers
 - Database tuning and optimizing
 - Concurrent handling of web and distributed databases
 - Choice of database type
 - Tools to monitor and optimize databases
- > Contract Based Systems Development
 - Contracts as co-ordination mechanism
 - Specification of systems, sub-systems and modules in contracts
 - Verification of systems with the use of contracts
 - Contracts in global development projects

> Test

- Test for validation and verification of contracts
- Test models and techniques
- Traceability and test
- Test planning

2. semester:

- > Systems Integration
 - Service Oriented Architecture (SOA)
 - Development of add-on modules for generic systems
 - Transforming and developing systems for a serviceoriented architecture
 - Approaches to system integration
- > Development of Big Systems
 - Dividing systems into sub-systems
 - Designing co-operation between parts at an abstract level
 - Co-ordination of global development projects
 - Patterns and frameworks for design and implementation of big systems
- > Project Management
 - Project strategy and project organization
 - Project organization in context
 - Quality assurance
 - Risk management and project planning

3. semester:

- > Internship
- > Bachelor Project

CAREER

JOB OPPORTUNITIES

Your first job could be as a systems developer in a large project and your next job might be as an architect responsible for the overall design of the system.

FURTHER EDUCATION

The Bachelor Degree can be topped up with a Master's Degree.

USEFUL INFORMATION

SEMESTER START
August 30th, 2010

APPLICATION

All students must apply for admission directly through the application forms which you can download from our web page www.easv.dk

ENTRY REQUIREMENTS

You should hold:

AP degree in Multimedia Design and Communication, AP degree Computer Science or equivalent education

If you hold a certificate from a foreign institution of education or another type of AP Degree, this will be considered separately.

CONTACT

EDUCATIONAL GUIDANCE
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