

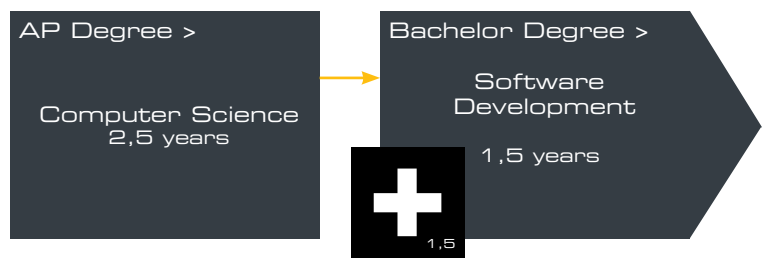


ERHVERVS  
AKADEMI  
SYDVEST

bachelor

> Bachelor degree

## SOFTWARE DEVELOPMENT



> for you who want to work as a systems developer in a large project or as an architect responsible for the overall design of the system.

The bachelor program in Software Development is a 1 ½ year top-up program 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



## CONTENTS

### 1st semester: ECTS 30

#### Databases for Systems Developers > ECTS 10

- 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 > ECTS 10

- 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 > ECTS 10

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

### 2nd semester: ECTS 30

#### Systems Integration > ECTS 10

- 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 > ECTS 10

- 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 > ECTS 10

- Project strategy and project organization
- Project organization in context
- Quality assurance
- Risk management and project planning

### 3rd semester: ECTS 30

#### Internship > ECTS 15

#### Bachelor Project > ECTS 15

## 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

### TERM COMMENCEMENT

February 2010

### APPLICATION

Apply directly to the academy. You can download the application form at [www.easv.dk](http://www.easv.dk). The application should be submitted to the academy not later than 5th January.

If you for some reason find that the academy should consider your application separately (dispensation etc.), you should apply as early as possible.

### 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, this will be considered separately.

### ECONOMY

There is no tuition fee for students from EU countries and students from Iceland and Norway.

Students from outside Europe must pay tuition fee. Please refer to our homepage for more information.

Contact: Ildikó Antal  
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E-mail: [info@studyandworktravel.com](mailto:info@studyandworktravel.com)

## CONTACT

### EDUCATIONAL GUIDANCE

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**MORE: EASV.DK**

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