

# Academy Profession Degree in Computer Science



*Obvious possibilities...*



## The culture of the Danish educational system

Since the 19th century, enlightenment of the people, vision and understanding of society have been key issues of the Danish educational system. Education is seen as an investment in the future society. It is the responsibility of the educational system to contribute to social development and economic growth, and to provide relevant qualifications according to labour market needs.

Labour market representatives are involved in the educational activities from ministry level to school level. Enterprises are direct partners in programmes, and labour market representatives carry out advisory, supervisory and decision-making functions in cooperation with educational authorities and institutions.

Each semester, a group of students are elected to form the Student Council. The Student Council represents all students in meetings with administration and teachers to which the requests and views of the students will be submitted. It actively contributes to college development by organising a variety of functions including entertainment.

Qualifications (credits) are recognised everywhere in the educational system. The purpose is to utilize the educational resources optimally and smooth the educational path by providing the students with continuous options and transitional arrangements.

within IT with the possibility of an individual specialization. The graduates are qualified to independently carry out analysis, planning and implementation of solutions pertaining to the creation, development and integration of IT systems particularly in IT companies or IT departments. The graduates are able to combine fundamental understanding of business and the knowledge of technological ideas with advanced abilities and skills in programming and systems development. For further details, please see the last page of this brochure.

Selandia emphasize that students of the computer science programme are required to have very good skills in English communication and an ability to read difficult English literature.

## Access requirements

Upper secondary school leaving examination or equivalent Danish or international exam with high-level mathematics and English as all instruction takes place in English.

For some countries students need 1 or 2 years further education from a university. Please contact Selandia for more detailed information about your country.

## Methods and facilities

Selandia students work in teams on themes linked to the real



## AP Programme in Computer Science

The programme is a practice-oriented, full-time academic programme with a duration of 2 years and 6 months at Selandia College in Denmark.

The programme provides the graduates with a broad profile

world business. Teaching varies from classic classroom teaching to open discussions, seminars, problem-solving exercises, theoretical exercises, practical lab work with the lecturer as a tutor, group work and extensive project work with group or individual supervision. Students enjoy world class facilities including:

- Lecture rooms
- Theatre rooms
- Computer rooms
- Libraries

## Student support services

A specially assigned lecturer shall be the contact person regarding

- Counselling services
- Career development

## Economic Conditions

The Danish Ministry of Education finances teaching for citizens of EU countries.

However, students must pay the following costs:

Expenses for the stay (including board and lodgings).

At the moment we estimate that the annual expenses for this is about 50.000,- Danish crowns of EUR 6.500,-, and in addition to this pay for teaching materials including textbooks.

## Life in Slagelse

The school will facilitate contact to local housing associations in order to provide room/flats for 1, 2 or more students.

## The Great Belt Coast and Slagelse

Close to Slagelse you will find more than 70 kilometres of coastline, delightful beaches, idyllic fishing villages, a beautiful and varied landscape, abundant bird and animal life and an exciting flora.

Well-preserved villages, churches and castles, many prehistoric sites and exciting museums show parts of the Danish cultural history from ancient times to the present.

### Contact details:

**Selandia College**

**Bredahlsgade 1**

**4200 Slagelse**

**Denmark**

**Tel.: +45 58 56 70 00, +45 58 56 70 45**

**Fax: +45 58 56 73 99, +45 58 56 70 39**

**E-mail: [jokl@selandia-ceu.dk](mailto:jokl@selandia-ceu.dk)**

**[www.selandia-ceu.dk](http://www.selandia-ceu.dk)**



# Educational structur

The aim of the education is to qualify the students to independently carry out analysis, planning and implementation of solutions pertaining to creation, development and integration of IT systems in the private as well as public sectors.

The student will learn how to

1. combine fundamental understanding of business and the knowledge of technological concepts with advanced abilities in programming and systems development
2. utilise various principles and methods in planning, controlling and performing the development process from idea to implementation and operation and maintenance
3. take part in the managerial and collaborative relations with people with different educational, linguistic and cultural backgrounds

The education consists of these main subject areas with corresponding European Credit Transfer System Points (ECTS) and offers credit transfer to many other educational programmes:

- Programming
- Systems development
- Technology
- The company
- Internships
- Individual specialization
- Final examination project  
(main thesis, elaborated in close co-operation with a company)

## Overview of subject areas of the programme

1. semester	2. semester	3. semester	4. semester	5. semester
Software design 25 ECTS	Computer architecture and operating systems 10 ECTS	Computer networks and distributed systems 10 ECTS	Specialty stages 20 ECTS	Internships 1.5 ECTS
Information Technology in Organizations 15 ECTS		Software architecture and distributed systems 10 ECTS		
Software Design 10 ECTS		Systems Development 15 ECTS		