Form din fremtid

Computer Science

○ System Development and Programming

○ Network Administration & IT Safety

○ Multi-media development & IT strategy

This programme is closed for the time being

The AP programme in Computer Science provides you with a broad profile in IT. You will be in a position to develop, update and maintain IT systems on your own initiative, both in public institutions and in companies.

The Programme in Computer Science combines theory with practical problem issues and provides relevant job qualifications. You will gain a thorough insight into computer methodology and concepts, business organization, economics, production management, and environmental conditions related to business.

The Computer Science programme combines theory with practical problem issues and provides relevant job qualifications. You will become thoroughly versed in computer methodology and concepts. To which must be added: thorough knowledge of business organisation, economics, production management and environmental conditions with the businesses.

Uddannelsens indhold

The education programme takes 30 months (2½ year), and the study is divided into five semesters, 150 ECTS.

Semesters 1-3 are compulsory for all students. In Semester 4 you will specialize in two optional subjects. The 5th semester is divided into two parts. The first part is the internship, where the student works 3 months as a trainee in a company. Second part, following the internship, the student is spending the rest of the semester writing a dissertation. Normally the subject of the dissertation is to be chosen in consultation with the internship company.

The core section is divided into five subject areas:

○ General: The coherence between technology and society, communication and

mathematics.
- The Enterprise: Organisation, project management, economic management, environmental control and logistics.
- System Development: Strategy, analysis, design, project work, user participation, prototypes and test.
- Programming: Algorithms, data structures, programming languages, database programming and implementation.
- Technology: Safety, computer design, distributed programming, the Internet and Intranets.
- Elective Subjects

You will get the opportunity of individually profiling your education through specialization courses and the analysis of themes – chosen by you – which broadly relate to the IT area. Existing specialization courses are revised and new courses developed on a regular basis. Doing the individual theme in the 4th Semester and your Dissertation in the 5th Semester, you will have the opportunity of individualising your education. You may specialise within:

- System Development and Programming
- Network Administration and IT Safety
- Multi-media development and IT strategy

You may attend the International Line, doing a short-term study abroad.
Computer Science graduates from Zealand Institute of Business and Technology distinguish themselves by their profound knowledge of business affairs in the IT area, their mastering all phases of system development, and their excellent programming skills. In addition to academic and vocational qualifications we emphasise, independence and good interactive skills, the ability to do project work and to be focused on achieving results, interdisciplinary and holistic learning processes, the ability to communicate results, and being quality-conscious in your study, learning and development.

Studieordning
- Computer Science - 2022
- Computer Science - 2021
- Computer Science - 2020
- Computer Science - 2019
- Computer Science - 2017

Adgangskrav
For admission to the AP Degree in Computer Science the following qualifications are required:

From Denmark and Scandinavia

A general upper secondary education in Denmark/Scandinavia (Upper Secondary School Leaving Examination, Higher Commercial Examination, Higher Technical Examination or

Higher Preparatory Examination)

From UK countries and countries with at similar educational system

General Certificate of Secondary Education, GCSE in combination with Advanced level exams: At least two subjects at A-level in combination with 5 GCSE exams.

From other European countries
The equivalent to Upper Secondary School Leaving Examination.

From United States and countries with a similar educational system
High school diploma from the United States

From African countries, India, China and other Asian countries

The equivalent to Upper Secondary School Leaving Examination

From South- and Latin American countries
The equivalent to Upper Secondary School Leaving Examination

International Baccalaureate (IB)

International Baccalaureate Diploma satisfies the minimum requirements for admission to an AP programme. You need the following documentation: Diploma Programme (DP) Course Results *or* IB Certificate with a minimum grade of 3 in all 6 subjects and at least 3 subjects at Higher Level (HL) and IB Diploma with "Diploma Programme Results *or* IB Diploma.

Other international qualifications

European Baccalaureate (EB), Dansk/Fransk Baccalauréat (DFB), Option Internationale de Baccalauréat (OIB), or Dansk-Tysk Studentereksamen (DIAP)

For further details, please check the specific country here: International qualifications for entry to undergraduate programmes

Mathematics or Business Economics

Programme	Required level
AP Computer Science	Mathematics B-level
AP Commerce Management	Mathematics or Business Economics D-level
AP Marketing Management	Mathematics or Business Economics B-level
AP Service, Hospitality and Tourism Management	Mathematics or Business Economics C-level
AP Multimedia Design and Communication	Mathematics or Business Economics C-level

AP Logistics	Mathematics or Business Economics C-level

B-level	250 hours of 60 minutes
C-level	125 hours of 60 minutes
D-level	Mathematics from 1st to 10th grade – no specific number of hours
It is only the last three years of your Upper Secondary Education, which are relevant when you calculate the number of hours. Please send an e-mail to apply@zibat.dk and request a verification form to be filled in by your school, if necessary.	

English Proficiency

The applicants must submit one of the following tests to prove their English proficiency:

Test	Score (minimum)
Danish B-level in English	3,0 (average)
IELTS (academic)	6.5
TOEFL iBT (internet based)	83
PTE Academic – Pearson Test of English	58
CPE Cambridge Certificate of Proficiency in English	Grade C
CAE Cambridge Certificate in Advanced English	Grade C
FCE Cambridge First Certificate of English	Grade A
Other official proficiency tests with an equivalent level may be recognised on an individual basis according to the CEFR, Common European Framework	

Test results must not be more than two years old at the time of application.

An applicant may ask for an exemption concerning the English test, if he/she has acquired sufficient English proficiency in other ways, e.g. native speakers, extended work/studies in an English speaking country, the international or the European Baccalaureate.

Selection criteria

Due to the limited number of places available, admissions are allocated in different quotas: Quota 1 and 2. Applicants with non-EU qualifications, will only be considered according to quota 2 as we cannot do an assessment of the grade point average.

Quota 1 admissions are allocated according to the grade point average of an upper secondary education. The grade point averages needed for admission will be published at the end of the admission process each year.

Quota 2 admissions are allocated according to our quota 2 criteria, which you can find here. Zealand will make an overall evaluation and rating of the applicants, which we may supplement with an admission interview.

Praktik

All full-time programmes at Zealand contain an obligatory internship period that lasts between 10 and 40 weeks.

The internship period's length and placement during the programme depend on the programme, but the internship is usually placed during the last semester of the programme and will be followed by your final exam project.

Read more

SU

As an EU or EEA citizen you can apply for SU for a full time study programme in Denmark. You need to be aware of the requirements in order for to receive SU in Denmark as a foreign citizen.

Read more about SU here

Public transportation discount

You can apply for public transportation discount if you are enrolled as a full time student at a higher education programme. All students, regardless of origin, can apply for an "ungdomskort" (youth card); however, you will need to have a CPR number (Danish social security number) in order to apply.

You can read more about ungdomskort here

Titel	Academy Profession (AP) degree in Computer Science
Varighed	2 år
ECTS point	150
Sprog	English
Steder	Maglegårdsvej 2, 4000 Roskilde

Zealand

Du har valgt at samle denne brochure med nogle af vores fuldtidsuddannelser og/eller efteruddannelser. Uanset hvad, er du godt på vej til at forme din fremtid med en relevant og praktisk orienteret uddannelse – Velkommen til Zealand!

Vi arbejder tæt sammen med over 1000 virksomheder, som er med til at sparre, udvikle og sikre relevans for dig som studerende. Zealand er til stede på afdelinger i Region Sjælland; Roskilde, Næstved, Køge, Slagelse og Nykøbing Falster - samt en uddannelsesstation i Holbæk.

Fremtids- og erhvervsrettede fuldtidsuddannelser

På Zealand kan du tage vælge mellem 25 videregående fuldtidsuddannelser på erhvervsakademi- og professions-bachelorniveau. Du kan fx læse til Markedsføringsøkonom, Produktions-teknolog, Laborant, Datamatiker eller Bygningskonstruktør.

Vores uddannelser kombinerer teori med praksis, så du er klædt på til virksom-hedernes behov. Du kommer også tæt på virkeligheden igennem de obligatoriske praktikophold - og case-opgaver i tæt samarbejde med regionens virksomheder.

Fleksible efteruddannelser i balance mellem job og familieliv

Vores fleksible efter- og videreuddannelser er tilrettelagt sådan, at du kan forene din karriere, dit familieliv og din livslange kompetenceudvikling i god balance. Du kan tage en hel efteruddannelse eller det modul, der passer dig lige nu på akademi- og diplomniveau. Flere af vores moduler kan du også studere via blended learning og online-undervisning og vi sammensætter også kursusforløb for hele virksomheden. Vi tager altid udgangspunkt i dine konkrete behov. Du skal kunne anvende din ny viden med det samme i dit job.

Zealand   Sjællands Erhvervsakademi