

# Computer Science and Engineering

**Apply now**

## WHAT IS COMPUTER SCIENCE AND ENGINEERING?

Engineering disciplines increasingly make use of the results of computer science and math research both in the development of products and in the products themselves. And the trend is intensifying. New findings in computer science and math are thus becoming an important innovation factor in engineering and are therefore key competences for you as a computer science and engineering graduate.

## WHAT WILL I LEARN IN MY STUDIES?

Studying computer science and engineering teaches you the basics of computer science, electrical engineering, mechanics and engineering math. That will enable you to implement new technical products and processes and to develop IT solutions that are appropriate for engineering. In the course of your studies you will learn above all how to devise combined hardware and software systems from model descriptions of technical systems.

Small wonder, then, that your career prospects are brilliant. Overarching knowledge from engineering sciences combined with computer science is the basis for developing “thinking machines.” Your knowledge and abilities are the basics prior to the development of artificial intelligence.

Building on an integrated education in computer science and engineering you can specialize for your bachelor’s with a focus on either computer science or engineering.

## WHAT IS REQUIRED OF ME?

To prepare for making a success of the study program we recommend our Online Math Bridge Course. You must also have done a ten-week career-related internship. The best time for the internship is before you begin your studies. It may also be divided into several sections or done at different companies. The internship counts as tertiary education, so you are therefore eligible for a BAföG grant.

## FURTHER STUDIES?

You can go on to study the following master’s programs, each of which is a four-semester course:

→ [Computer Science and Engineering \(M.Sc.\)](#)

→ [Information and Communication](#)

→ [International industrial engineering](#)