



**COSSE is a two-year Master's programme within the multidisciplinary field of Computational Science and Engineering (CSE). CSE is an enabling technology for scientific discovery and engineering design that involves mathematical modeling, numerical analysis, computer science, high-performance computing, and visualization.**

The remarkable development of large-scale computing in recent decades has turned CSE into the third paradigm of science, complementing theory and experiment. The programme is offered by three of Europe's leading technical universities: KTH Royal Institute of Technology in Sweden, Delft University of Technology in the Netherlands, and Technical University of Berlin in Germany. Students enter at one of the universities for their first year of studies, and then continue to one of the other institutions in another country for the second year, which concludes with a jointly supervised master's thesis. Graduates are awarded a double degree from both universities.

During their studies, students become familiar with the tools of Computational Science and Engineering, such as mathematical modeling, simulation methods, and data analysis techniques, and gain expert knowledge within their chosen specialization. Graduates will therefore be highly competent within this field.

The programme prepares students for employment within the high-tech industry, starting their own innovative businesses, or continued studies towards a PhD. In addition, the compulsory mobility of the programme enhances the cultural awareness and adaptability of all its participants. These are highly sought-after attributes in today's global job market.

In addition to receiving an excellent education with a focused competence profile, participating in the programme provides the student with a culturally diverse social experience and familiarity with at least two European countries.

### **Application and admission**

General admission requirements:

- A Bachelor's degree, corresponding to 180 ECTS
- Proof of English language proficiency
- Specific admission requirements as specified on the website

### **Scholarship opportunities**

A limited number of competitive scholarships are available for non-EU/EEA students. More information will be published on the programme's website, see below.

### **Tuition fees**

Full tuition fees for the programme are €23 000 for non-EU/EEA country citizens and €4,000 for EU/EEA country citizens.

The application deadline for the programme is January 15.