

BSc

Bachelor Programmes



Founded

in 1842

>100

nationalities

16 BSc

programmes

#15

in QS Engineering and
Technology (2021)





Why TU Delft?

We provide a first-class education, encouraging our students to become creative and independent thinkers who will be capable of solving complex problems. At TU Delft, you will find yourself in an environment of cutting-edge research, and in close proximity to numerous high-tech companies, often started by graduates.

BSc programmes

A Bachelor's degree programme takes three years to complete. In the first year, you will be introduced to the subject area with a mix of (online) lectures, tutorials and laboratory courses. You will also work with your fellow students on joint projects.

In the second year, you will study your subject in greater depth, building on and using the knowledge you acquired in the first year.

In the third year you get to choose a six-month minor, giving you the opportunity to explore a subject in greater depth or to learn something new outside your degree subject. The options range from teacher training to

airport design to robotics. You can also study a semester abroad or at one of our partner universities. minor.tudelft.nl.

A final project concludes your Bachelor's programme, either a group or a personal project. After completion you will be awarded the title 'Bachelor of Science'.

The academic year runs from September to July and is divided into four ten-week periods. You will have examinations at the end of each period.

Binding recommendation on continuation of studies

By the end of your first year of study, you need to have obtained at least 45 ECTS

credits (of the total of 60 available). Otherwise, you will be issued with what is known as a 'negative binding recommendation on continuation of studies'. This means that you cannot continue your study and you will have to wait four years before enrolling for the same study programme at TU Delft.

The TU Delft offers four Bachelor's degree programmes that are taught entirely in English, and twelve Bachelor's programmes taught in Dutch. All Master's programmes are taught in English.

Student Life

Sport, culture & more: X

X is a place on campus where you can develop in areas that are not always part of the academic curriculum, but invaluable none the less. X focuses on the needs of young people and has an extensive offer in the fields of sports, games, arts, crafts, reflection & lifestyle. The offer ranges from courses, ticket hours, events and projects to free use of a student kitchen and living room and initiating activities and/or programming yourself. tudelft.nl/x

Student societies

Each BSc programme at TU Delft has its own study association. The study associations organise study-related events, such as conferences, company visits, and excursions in The Netherlands and abroad.

Curious about what it is like to be an international student at TU Delft?

Contact our Student Ambassadors:

www.tudelft.nl/onderwijs/voorlichting-en-ervaren/voorlichting-bachelor/live-chat

City of Delft

Delft is a safe, interesting and historic town located between the larger cities of The Hague and Rotterdam. In Delft you will find many things that will help you to enjoy student life, including numerous cafés and pubs, two cinemas and a theatre. There are also many reasonably-priced restaurants. International cuisine in Delft ranges from Chinese, Indonesian and Mexican to Lebanese. You don't speak Dutch? Don't worry, most of the Dutch speak English.



Taught in English

Aerospace Engineering

How do you develop a more efficient aircraft engine? How will you design the next generation of satellites? In addition to understanding the fundamental science behind these innovations, you will learn how to design systems, work in international teams, think outside the box and communicate effectively.

Applied Earth Sciences

Heating buildings by using geothermal energy, the prevention of subsidence, CO₂ storage: these subjects are all covered in the small-scale degree programme Applied Earth Sciences.

Computer Science & Engineering

During this degree programme you will learn the theory and practice of software development and data processing for the intelligent systems of today and the future.

Nanobiology

This degree programme brings together nanophysics and biology. It is offered jointly by TU Delft and Erasmus University Rotterdam.

Taught in Dutch

Applied Mathematics

You will learn the theoretical and practical tools needed to make models that describe real world phenomena as accurately as possible. These models can be applied in several areas, such as finance, medicine, logistics or manufacturing processes.

Applied Physics

How does the world around us work? How can physical phenomena be explained and applied? These questions are central to the Applied Physics degree programme.

Architecture, Urbanism and Building Sciences

The Bachelor's degree programme introduces you to the various fields in which architectural engineers work. The scope of the programme is broad. In three years you will learn all the basic skills and techniques you need for this. You will be combining technology, theory and design, and your own creativity and spatial insight play a major role in this.

Civil Engineering

From flood protection to designing large structures, and infrastructure for road, rail and waterways.

Clinical Technology

This multidisciplinary programme, which focuses on the interface between medicine

and technology, is a unique collaborative partnership between TU Delft, Leiden University, and Erasmus University Rotterdam.

Electrical Engineering

You will learn to design systems in which electrical energy and information play a key role: from smart phones to medical devices, from solar cells to electric cars.

Industrial Design Engineering

Integrate technology, ergonomics, aesthetics and business administration to design user-centred products and systems.

Life Science & Technology

This degree programme focuses on the living cell. The programme is offered jointly by TU Delft and Leiden University.

Marine Technology

The design of a ship, with all the necessary facilities, the optimisation of the shape of the hull, a ship's construction, the design of offshore platforms; all these subjects belong to the field of Marine Technology.

Mechanical Engineering

As a mechanical engineer, you will be involved with devising, designing, fabricating and improving things that make our lives easier, safer and more sustainable.



Molecular Science & Technology

MST focusses on chemical processes, new materials and products. This chemistry programme is offered jointly by TU Delft and Leiden University.

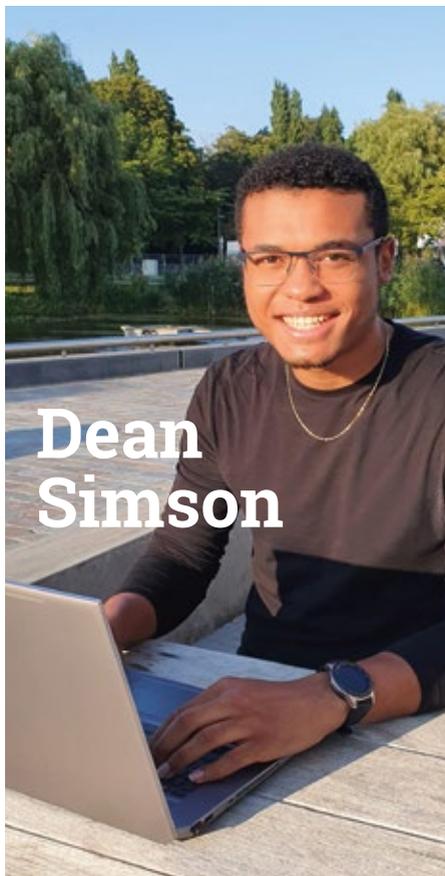
Systems Engineering, Policy Analysis and Management

Large-scale technological systems require the expertise of a broad range of disciplines. In this programme you will learn how to bridge the gaps between civil engineers, legal specialists, mechanical engineers, economists, IT specialists, policy analysts and all the others involved in these enormous projects.



Matching activities

Electrical Engineering, Applied Mathematics, Molecular Science & Technology and Applied Physics consider it important that every prospective student experiences what it is like to pursue these studies before actually starting a programme. For that reason, matching activities are mandatory for these programmes for students starting in the academic year 2021-2023. This means that you have to do these matching activities in order to be registered for these programmes.



Dean
Simson

"I chose TU Delft for its high-quality educational standards and inspiring community of engineers. As a student at the TU Delft, you have various possibilities for personal development due to the university's innovative, challenging and motivating study environment. Furthermore, the accessibility to professors enhances the experience of being a avid student at the TU Delft, while surrounding yourself with a variety of highly motivated and bright (upcoming) engineers from all around the world. I would recommend TU Delft to anyone who is fascinated by science, design or technology and who wants to contribute to bettering our society. Challenge yourself!"



Tuition fees 2022-2023

EU: € 2,209

Non-EU: € 15,200

Apart from the tuition fees, the cost of living and studying in Delft is estimated to be € 850 to € 1,100 per month. This includes such things as food, accommodation, transport, books, compulsory health insurance, social life expenses and study trip costs.



Admission requirements

In all cases you need to have passed at least the final examinations in mathematics, physics (except for Applied Mathematics and Computer Science & Engineering) and English. Please note: some Bachelor's programmes require additional final examinations. More information: admissions.tudelft.nl



Career prospective

Graduates from TU Delft are in great demand in both the private and public sectors and have a worldwide reputation. They are renowned for their creativity and ability to solve complex problems, challenges that often lead them to work in complex and unpredictable professional environments and to assume leading roles in organisations around the world. Have a look at the Delft University of Technology 'university page' on LinkedIn to find out where our alumni work and live.



Application deadline

Enroll via tudelft.studielink.nl before the first of April. The programmes Aerospace Engineering, Architecture, Clinical Technology, Computer Science & Engineering, Industrial design, Nanobiology and have determined a fixed capacity, a numerus clausus. The application deadline for these programmes is 15 January.



#21



in Times Higher
Education – Engineering
and Technology (2021)

32+



MSc programmes

22%



international students

4



English taught
BSc programmes

3.700



academic staff

8



faculties

26.476



students