



# BACHELOR'S PROGRAMMES

ACADEMIC YEAR 2024 - 2025

UNIVERSITY OF TWENTE.



# SNEAK PREVIEW



4



OUR RESEARCH  
IMPACTS SOCIETY

16

WE ARE  
THE LEADING  
ENTREPRENEURIAL  
UNIVERSITY

WHY STUDY AT THE  
UNIVERSITY OF TWENTE?



24





## OUR CAMPUS

10

## YOU CAN CALL US 'UT'

Our full name is University of Twente,  
but feel free to call us 'UT'!



## WHY STUDY AT THE UNIVERSITY OF TWENTE?

14



## WHERE WILL YOU LIVE?

## CONTENTS

Meet the university	3
Sneak preview	4
Living in the Netherlands and in Enschede	6
Wondering what you can do in Enschede?	8
Welcome to our unique campus	10
Campus overview	12
Why study at the University of Twente?	14
Challenge yourself during your bachelor's	15
Our research impacts society	17
Find your favourite study spot	18
What will your future look like?	21
These people have gone before you	22
When you arrive as an international student	25
Work out!	26
Express yourself!	29
Where will you live?	30
When you need a helping hand	33
Step-by-step plan: from wondering to registering	34
First time at university	36
Practical information	37
What about the budget?	38
<b>Bachelor of Science programmes</b>	<b>41</b>
Advanced Technology	42
Applied Mathematics	43
Applied Physics	44
Biomedical Technology	45
Business Information Technology	46
Chemical Science & Engineering	47
Civil Engineering	48
Communication Science	49
Creative Technology	50
Electrical Engineering	52
Health Sciences	53
Industrial Design Engineering	54
Industrial Engineering & Management	55
International Business Administration	56
Management, Society & Technology	57
Mechanical Engineering (UT)	58
Mechanical Engineering (VU)	59
Psychology	61
Technical Computer Science	62
Technical Medicine	63
University College Twente	64
Follow us on social media	68
Get in touch!	69

# ” THE BEST WAY TO EXPERIENCE THE UNIVERSITY OF TWENTE? GET IN TOUCH!

- FENNA



FENNA VAN GULICK

BACHELOR STUDENT IN TECHNICAL MEDICINE

”

As a high school student, I didn't know anyone who had studied at the University of Twente. I also knew absolutely nothing about the student town of Enschede. All the more reason to sign up for an Open Day! While there, I saw with my own eyes the many facilities the University's large, green campus had to offer, plus the TechMed Centre, which was being specially built for my degree programme. I could totally imagine myself as a student there. As expected, I feel completely at home here! My decision may have been based on the choice of degree programme, but the great atmosphere, personal touch and small-town feel of our campus convinced me to stay.



# MEET THE UNIVERSITY

## AND OUR STUDENTS

### ONLINE OPEN DAY

15 NOVEMBER 2023

Learn about all our bachelor's, talk with students and lecturers, discover the campus – and much more!

### FAIRS IN YOUR COUNTRY

Come meet our representatives at a fair near you.

 [UT.ONL/FAIRS](https://ut.onl/fairs)

### EXPERIENCE STUDENT LIFE

SIGN UP AS A 'STUDENT FOR A DAY'

Do you want to experience first-hand what it's like to study at UT? Share a typical day in the life of a UT student with someone who is enrolled in a programme you are interested in! Choose your own date on weekdays between mid-October and May.

### PLAN AN ONLINE MEET-UP WITH A STUDENT

An online meet-up with a student is a great way to hear their first-hand experience of the study programme that you are interested in. During a video call, you can ask a student all kinds of questions you have. Whatever questions you have: ask away!

### HAVE A LOOK AT OUR OVERVIEW OF ACTIVITIES

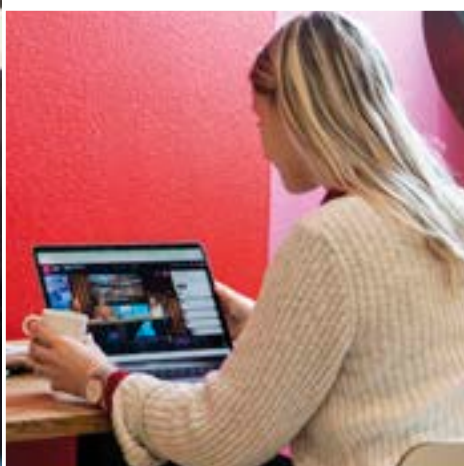
 [UT.ONL/CALENDAR](https://ut.onl/calendar)

### PERSONAL CONTACT

WE ARE HERE FOR YOU!

Do you have any questions, are you still not sure, or do you just want more information?

- ✓ Call, WhatsApp, chat or mail our Student Services Contact Centre  
**[ut.onl/bsc-contact](https://ut.onl/bsc-contact)**
- ✓ Request a personal interview with one of our study advisers.  
**[ut.onl/wellbeing](https://ut.onl/wellbeing)**



FOLLOW US ON  
SOCIAL MEDIA!



 [UT.ONL/STUDYCHOICE](https://ut.onl/studychoice)

# SNEAK PREVIEW

You want to know if this university is a good fit for you, and we want to know more about who you are. Do you mind if we take the lead? If you choose the University of Twente (UT), you're heading for an international, technical university with five distinguishing features.

## HUMANS AND TECHNOLOGY ON THE SAME TEAM

The future of people is technology. And the future of technology? People! Our focus on people is as striking as our multidisciplinary, application-oriented approach. We call it **High Tech, Human Touch**.

## ONE OF THE BEST RESEARCH UNIVERSITIES

Invariably, UT scores high on independent, international rankings. Start your journey near the top!

## WHAT WILL YOU SET IN MOTION?

At UT, we encourage students to actively engage in student life. There are plenty of activities on campus and in Enschede, all organised for and by students.

The most well-known examples are our multidisciplinary student teams, such as Green Team Twente and Solar Team Twente. These teams bring students together to build sustainable mobility solutions and to compete against teams from other universities all over the world.

 [utwente.nl/en/student-teams](https://utwente.nl/en/student-teams)

## INTERNATIONAL COMMUNITY

Many international students and staff come to Twente, but the opposite is also true: we have a lot of contact with universities and companies abroad, and we will encourage you to complete part of your studies in another country. The experience will help you to grow professionally and personally, to establish a broad foundation, and to become a true, global citizen.

## MOST ENTREPRENEURIAL UNIVERSITY

We recognise the value of typically human traits such as creativity, innovation and courage, and we foster their development. No wonder more than thousand successful start-ups have been initiated here so far, including Booking.com and Takeaway.com. What start-up will you launch?

## THE ONLY 'ALL-IN' CAMPUS IN THE NETHERLANDS

Your time as a student will be unforgettable at our beautiful campus, where you can study, live, get active and enjoy yourself. It is a 'smart living lab', where people and technology bring out the best in each other.





## STUDENTS IN 2022

**11,997**  
TOTAL STUDENTS



**7,114**  
BACHELOR'S STUDENTS



**4,883**  
MASTER'S STUDENTS



**4,103**  
INTERNATIONAL  
STUDENTS







# LIVING IN THE NETHERLANDS AND IN ENSCHEDE

The Netherlands is known for its capital city, Amsterdam, as much as for its bikes, water management and tolerance. But what is it really like to study in this small country in Northwest Europe?

## UNIVERSITY LIFE, DUTCH STYLE

As many international students will tell you, one of the great benefits of studying in the Netherlands is that it can help you develop an open mind and a more international perspective. We have many thousands of internationals studying and working here. The Dutch education system is interactive with an exceptional focus on teamwork and independent, proactive thinking.

## MOST DUTCH PEOPLE SPEAK ENGLISH

The Netherlands is a small country and home to over 17 million people. Many European capitals are within easy reach: Berlin and Brussels are four-and-a-half hours away by train and a short flight from Amsterdam will take you to London, Paris or Madrid. Most Dutch people speak, or understand, English. In fact, the Netherlands is ranked number 1 in the world when it comes to proficiency in English as a second language.



## GET A BICYCLE

Public transport is well-organised and safe.  
To travel the Dutch way, of course, get a bicycle.  
During our introduction days, we can help you buy one.



# ENSCHEDÉ, A BUSTLING STUDENT CITY

Enschede is a city of knowledge and innovation, with high tech campus Kennispark Twente and a college, a conservatory, a pop academy, an international school and an Arts school – all next door to UT. There are students everywhere, and cool events to enjoy all year round, such as Freshtival at Rutbeek park, the superhip Gogbot and, of course, the big King's Day Festival.

## FOR SHOPAHOLICS

Enschede offers you the most versatile choice of shops in the Eastern Netherlands. The weekly street market attracts a lot of visitors from the region and from across the German border. The city centre offers a pleasant mix of department stores, boutiques, and food and drinks.

## CHILL OUT

Right in the middle of the city centre you will find De Oude Markt: the most convivial square in the Netherlands. Around the church, the so-called Grote Kerk, are several cafés, restaurants, bars and clubs. During hot summer days the terraces fill up quickly with people enjoying the sun and drinks. In the evenings, the restaurants and bars offer a great place for socialising and enjoying yourself.



Food Truck Festival in Enschede

## ENSCHEDÉ IN NUMBERS



**>160,000**  
POPULATION



**>150**  
NATIONALITIES



**>30%**  
PERCENTAGE STUDENTS



**9**  
THEATRES



**4**  
CINEMAS



**25**  
SPORTS FIELDS & TENNIS COURTS





# WONDERING WHAT YOU CAN DO IN ENSCHEDE?

THE FIVE GREAT SURPRISES OF NICCOLÒ



## 01 RUTBEEK / WAKEBOARDING

After a peaceful bike ride in the countryside of Enschede, you can find yourself at Rutbeek. This hidden lake is often host to students seeking a cool bath in summer and spring, as well as festivals and wakeboarding lovers.



## 02 GO-KARTS

Adjacent to the University Campus there is a large indoor E-Karts track. Here, competition and speed meet each other for a fun night of racing!



## 03 CLIMBING / BOULDERING

Although the Netherlands is as flat as they get, climbing is a hit among students! Both on the university campus and in the city, you can find different climbing facilities with open access for all!





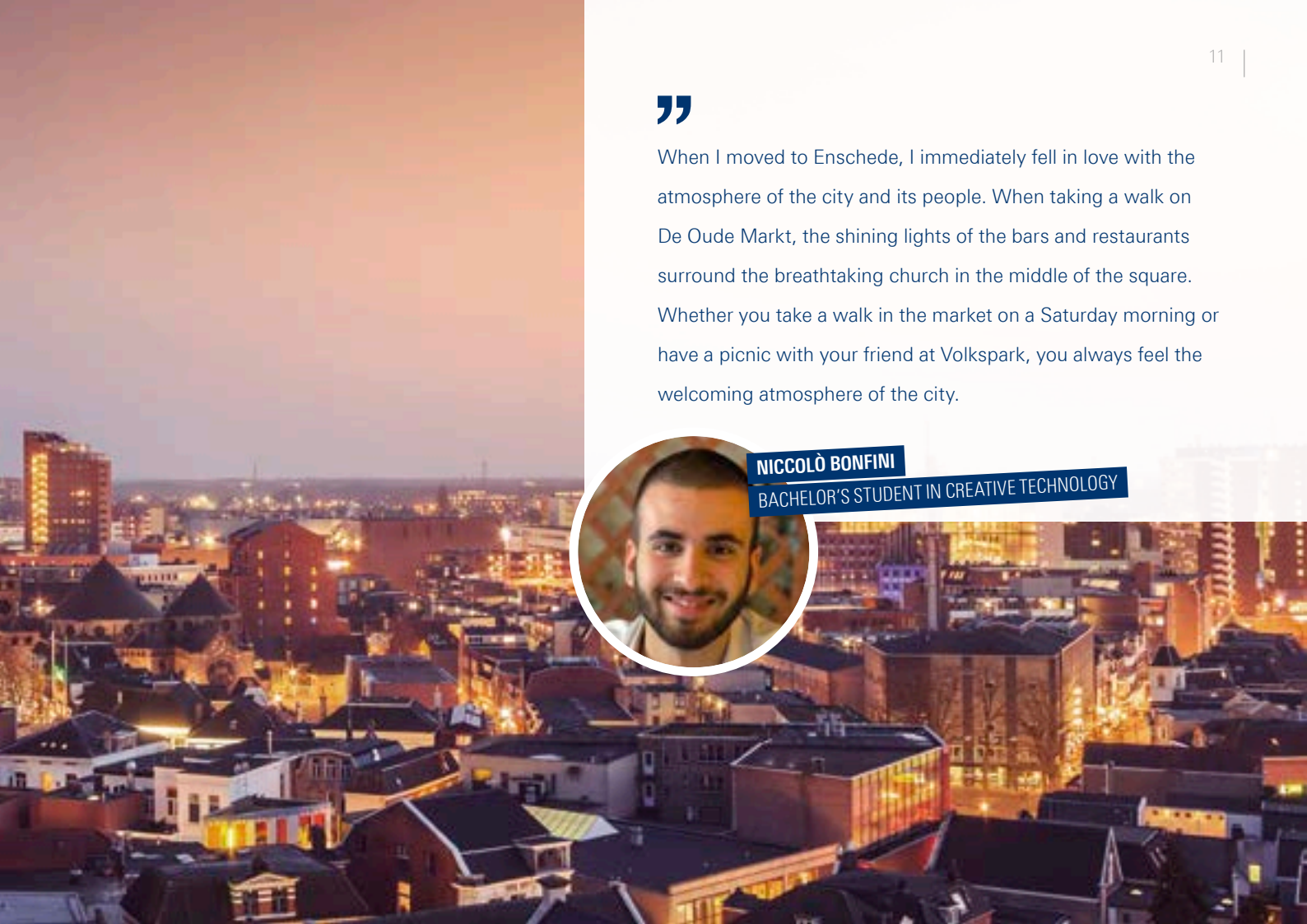
”

When I moved to Enschede, I immediately fell in love with the atmosphere of the city and its people. When taking a walk on De Oude Markt, the shining lights of the bars and restaurants surround the breathtaking church in the middle of the square. Whether you take a walk in the market on a Saturday morning or have a picnic with your friend at Volkspark, you always feel the welcoming atmosphere of the city.



NICCOLÒ BONFINI

BACHELOR'S STUDENT IN CREATIVE TECHNOLOGY



## 04 ICE-SKATING

Within walking distance from the university campus, you can find a 400 meters long ice-skating rink! Be sure to dress up for the challenging cold and gather your friends for a fun afternoon skate!

## 05 AQUADROME

On those hot days of summer, you can find refreshment at the huge Aquadrome of Enschede! Here, you can let the kid in you come out and play among the many slides and different pools.





# WELCOME TO OUR UNIQUE CAMPUS

As a student, you will feel right at home within the close UT community on our magnificent campus: a fascinating learning, living and working environment that has as many facilities and activities as a small city would have to offer. Here, 12,000 students and 3,800 scientists and staff members, representing around 100 nationalities, come together to use the latest knowledge and technology for a better future. And you can become one of them!

## OUR COMMUNITY

At the University of Twente, we want to make sure you grow to your full potential, and we know that growth doesn't just come from studying. Becoming part of our inspiring community will help you achieve interdisciplinary and intercultural connections and personal development. There are plenty of options for extracurricular activities and within a vibrant student community with over 140 associations you can join, varying from sports, culture, study, social and international, you will surely make the most out of your student life. More than that, an open approach is a key value within our relatively small-scale university. So don't be surprised when a professor knows you by your first name – and that you can call them by theirs!

## EVERYTHING FROM NANOLAB TO STARBUCKS

One of University of Twente's crown jewels is undoubtedly our campus. A green, sustainable, and lively environment that covers 146 hectares – approximately 200 football fields. Here, you can find everything you need to learn, work and live. From libraries and laboratories to fitness facilities and sports fields. How about performing experiments in one of our robotics labs, or the Nanolab within MESA+, one of the world's largest nanotechnology research institutes? More than that, you can play almost any sport imaginable here, such as baseball, beach volleyball, archery and even muggle quidditch. Once a year, the campus is the finish line of the biggest relay race in the world, the 'Batavierenrace', which is followed annually by Europe's largest all-night student party!

 [UTWENTE.NL/EN/CAMPUS](https://utwente.nl/en/campus)





**JULE BERGE****BACHELOR STUDENT COMMUNICATION SCIENCE**

”

I really enjoy studying at the University of Twente. With a nice mix of locations to study as well as to have fun, the UT campus has a lot to offer. The Sports Centre is a great place to get some exercise after a long day of studying. All the different student and activity associations organise a lot of fun activities too. And on the huge campus, you can always find always a nice patch of green grass to enjoy a picnic.





# WELCOME TO OUR UNIQUE CAMPUS

## A DRIENERLOLAAN LAWNS

THE PERFECT LOCATION FOR FESTIVALS  
OF ALL SHAPES AND SIZES

## B SPORTS FIELDS

FOOTBALL, TENNIS, BASKETBALL, ARCHERY,  
BOXING – CHOOSE FROM OVER 40 SPORTS

## C CALSLAAN STUDENT ACCOMMODATION

ENJOY LIVING ON THE ONLY 'AMERICAN-STYLE'  
CAMPUS IN THE NETHERLANDS

## D CABINS AND BOERDERIJ BOSCHS

ACCOMMODATION FOR CAMPUS VISITORS AND  
A PLACE FOR STAFF TO RELAX

## E MATENWEG STUDENT ACCOMMODATION

PREFER A PYRAMID OR A MASTABA? THESE ARE JUST  
SOME OF THE CAMPUS' 3,000 APARTMENTS

## F REELAAN HOUSING

60 APARTMENTS FOR STAFF – NEAR SHOPS, RESTAURANTS,  
PHYSIOTHERAPISTS, DOCTORS AND MORE

## G ATHLETICS TRACK

FOR TOP ATHLETES, AMATEURS AND SPECTATORS

## H CLIMBING WALL & INDOOR SWIMMING POOL

SWIMMING, DIVING, SURFING, CLIMBING, FITNESS,  
ROWING, GO-KARTING AND MORE

## I THE BOULEVARD

FROM SUBWAY TO SUPERMARKET, FROM VESTINGBAR  
TO STUDENT UNION OFFICE AND INCUBASE

## J THE VRIJHOF BUILDING

THE PLACE FOR CULTURE LOVERS AND DO-ERS

## K HOGEKAMP SQUARE

GET A PART-TIME JOB AT THE U-PARK HOTEL OR HIT  
THE GRINDSTONE AT HIGH TECH FACTORY-

## L CUBICUS

HEADQUARTERS OF THE FACULTY OF BEHAVIOURAL,  
MANAGEMENT AND SOCIAL SCIENCES (BMS)



## OUR GREEN CAMPUS IN NUMBERS

**146**

AREA IN HECTARES

**3,000**

STUDENT APARTMENTS

**378**

LAB FACILITIES

**46**

SPORTS ASSOCIATIONS

**18**

CULTURAL ASSOCIATIONS

**M HORST**

THE MAIN BUILDING OF THE FACULTY OF ENGINEERING TECHNOLOGY

**N NANOLAB**

THE DOMAIN OF MESA+, A WORLD LEADER IN NANOTECH

**O CARRE**

THIS IS WHERE YOU FIND THE PHYSICS AND CHEMISTRY LABS AND ELECTRONICS, LIKE THE ROBOTICS LABS.

**P TECHMED CENTRE AND DESIGNLAB**

LAUNCH PAD FOR TECHNICAL MEDICINE AND A CREATIVE HOTSPOT

**Q ZUIDHORST, MEANDER, BUITENHORST**

THE BUILDINGS OF THE FACULTY OF SCIENCE AND TECHNOLOGY (TNW)

**R THE ACHTERHORST**

A GREAT PLACE TO GO FOR QUIET AND RICH BIODIVERSITY

**S THE HIGH-PRESSURE LAB**

ONE-OF-A-KIND IN EUROPE, FOR RESEARCH UNDER EXTREME PRESSURES

**T THE GANZENVELD**

NOT JUST A PRETTY LAWN, BUT A PROFESSIONALLY LAID OUT AND FACILITATED EVENT GROUND

**U RAVELIJN AND CITADEL**

PART OF BMS, WHERE TECHNICAL AND SOCIAL SCIENCES MERGE

**V THE GALLERY**

OFFICES AND FACILITIES FOR COMPANIES AND START-UPS

**W O&O SQUARE**

THE ONDERWIJS &amp; ONDERZOEK SQUARE (EDUCATION &amp; RESEARCH), A FAVOURITE MEETING POINT

**X CONTACT CENTRE**

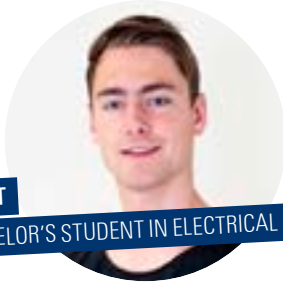
THE PLACE FOR ALL YOUR QUESTIONS AS A FUTURE OR CURRENT STUDENT.

**Y LANGEZIJD**

HEADQUARTERS OF THE FACULTY ITC (GEO-INFORMATION SCIENCE AND EARTH OBSERVATIONS)



# WHY STUDY AT THE UNIVERSITY OF TWENTE?



**BAS ZUTT**

BACHELOR'S STUDENT IN ELECTRICAL ENGINEERING

”

The University of Twente has a special educational model that centres on project-oriented education. This allows you to put your knowledge right into practice, so that the theory is less abstract. Besides this form of education, the pleasant learning environment here also appeals to me. The attractive campus, with its wide range of possibilities to discover student life, makes studying at UT super fun.’

## WHY DO I TEACH AT UT?



**VICTORIA DASKALOVA**

ASSISTANT PROFESSOR IN LAW, GOVERNANCE & TECHNOLOGY

”

The interaction in the classroom – between students and teacher but also among the students – is an important part of education. You can often reach a proper ‘aha moment’ only if you are pushed to think on the spot. Moreover, it creates a nice energy in the classroom and allows the lecturer to hear the students’ ideas. *Source: [www.utoday.nl](http://www.utoday.nl)*

## FOUR REASONS TO STUDY AT UT

- 01** You will learn how to work with others in changing teams and discover your role (or roles) in a team.
- 02** You will make the most of and enjoy many approaches to learning, including challenging, lifelike team projects.
- 03** You will explore the intersection of science, technology and society.
- 04** You will become an entrepreneurial, independent professional, who is constantly learning and growing.







# CHALLENGE YOURSELF DURING YOUR BACHELOR'S

If you are among the top 10% performers in your programme, you can take part in an Honours track alongside your bachelor's. This involves taking an extracurricular programme in which you learn to combine technology, engineering and social sciences. It is a great way of learning how to quickly respond to societal challenges.

Hungry for more knowledge?  
We offer three types of Honours programmes:

## **BACHELOR'S HONOURS PROGRAMME**

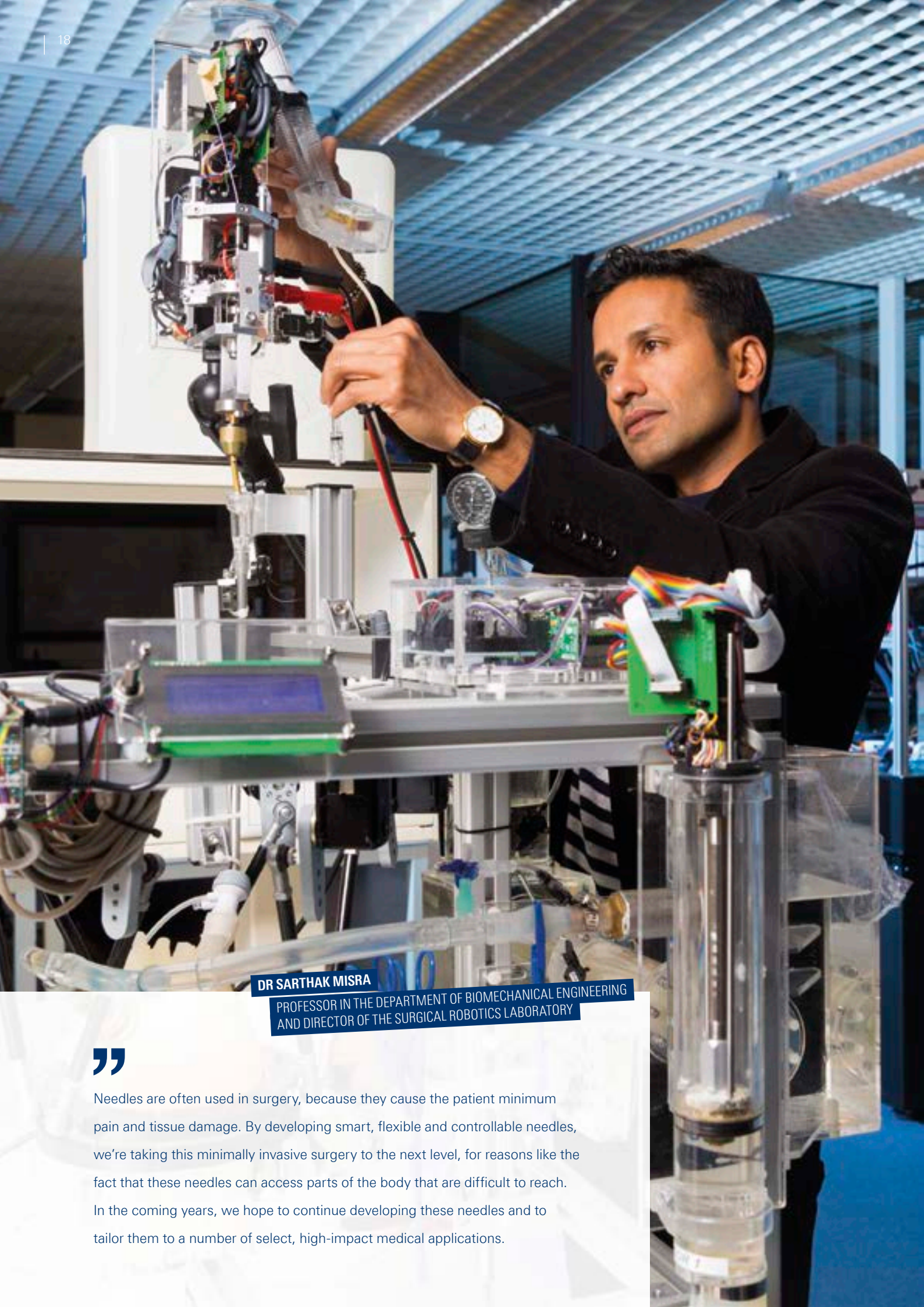
The Honours programme complements and broadens your normal bachelor's. In about 1.5 years, you will follow one of the multidisciplinary tracks, in which you will work together with students from other programmes. You will also receive intensive guidance from researchers from various academic disciplines. The Bachelor's Honours programme starts every year in February, and it is open to all bachelor's students.

## **A STAR OR PLUS PROGRAMME**

Depending on what you are studying, you can take a supplementary Star or Plus programme:

- ✓ **STAR programme** – If you're studying Communication Science, International Business Administration, Industrial Design Engineering, Management, Society & Technology or Psychology, then you can take extra modules, working on a project designed to deepen your knowledge.
- ✓ **PLUS programme** – This programme is available to students of the Dutch-taught programme Applied Physics. In the PLUS programme you will dive deeper into a specialised topic.





**DR SARTHAK MISRA**

PROFESSOR IN THE DEPARTMENT OF BIOMECHANICAL ENGINEERING  
AND DIRECTOR OF THE SURGICAL ROBOTICS LABORATORY

”

Needles are often used in surgery, because they cause the patient minimum pain and tissue damage. By developing smart, flexible and controllable needles, we're taking this minimally invasive surgery to the next level, for reasons like the fact that these needles can access parts of the body that are difficult to reach. In the coming years, we hope to continue developing these needles and to tailor them to a number of select, high-impact medical applications.



LEARN FROM LEADING SCIENTISTS

# OUR RESEARCH IMPACTS SOCIETY

Studying at UT means studying at a young and entrepreneurial research university, where scientists, lecturers and students engage in tackling the global societal challenges of today and tomorrow. We're involved in giving direction to the digitalisation of society, in making technology in the healthcare sector better and more personal, in developing and using smart materials and smart industries, and in making our rapidly changing world more resilient.

”

For a long time, technology has mainly focused on the basic form of speech recognition: on what a person says. However, I feel automatic speech recognition is ready for the next level. For me, the interesting part is the layer beyond words, the emotions or mental state of a speaker. Are both speakers on the same page? What is the meaning of a certain laugh? That's important information because in communication it's all about nuance. About silences, a sigh, or a laugh of a person. My ultimate goal is to have a normal conversation with a machine. As if talking to a human being.



**DR KHIET TRUONG**

ASSOCIATE PROFESSOR HUMAN MEDIA INTERACTION

”

Material science plays a central role in the search for better storage solutions. In the NanoLab at the MESA+ Institute for Nanotechnology, my fellow scientists and I, along with students, explore technological breakthroughs by studying and designing new materials at nanoscale. One such breakthrough is the solid-state battery. In conventional batteries, two poles – the anode and the cathode – are joined by a liquid, the electrolyte. Replacing the liquid with a solid yields higher energy density and more power. This is partly caused by the fact that you do not need cooling or protective equipment in a solid-state battery, as the solid cannot leak, it is harmless and insensitive to overheating. That leaves more room for energy storage.



**DR MARK HUIJBEN**

FULL PROFESSOR NANOMATERIALS FOR ENERGY CONVERSION AND STORAGE



# FIND YOUR FAVOURITE STUDY SPOT

At UT, you won't spend all your studying and project hours alone in your dorm or in a classroom. You can find great facilities for projects, and places to sit down and study, all over the campus.

## THE UNIVERSITY LIBRARY

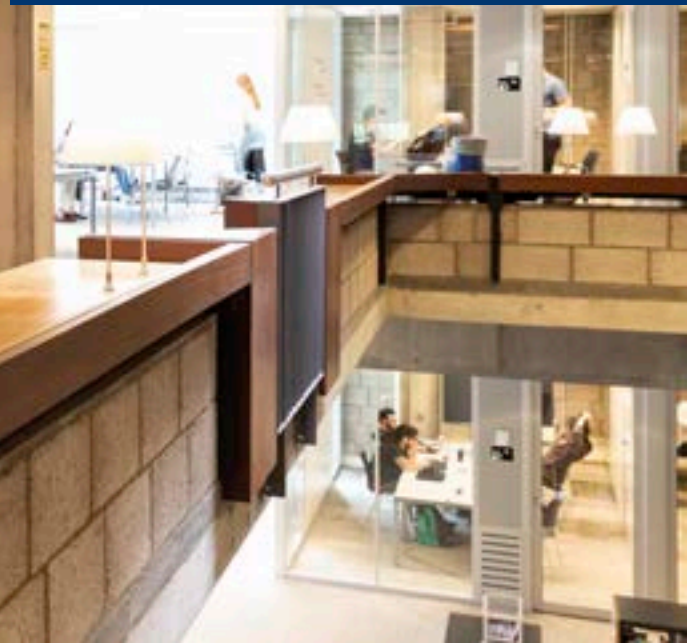
The University Library is in the centre of the campus. Here you will find scientific collections on all the educational and research areas offered at UT – a great place to study, work or read professional literature in peace and quiet.

 [UTWENTE.NL/LIBRARY](https://utwente.nl/library)

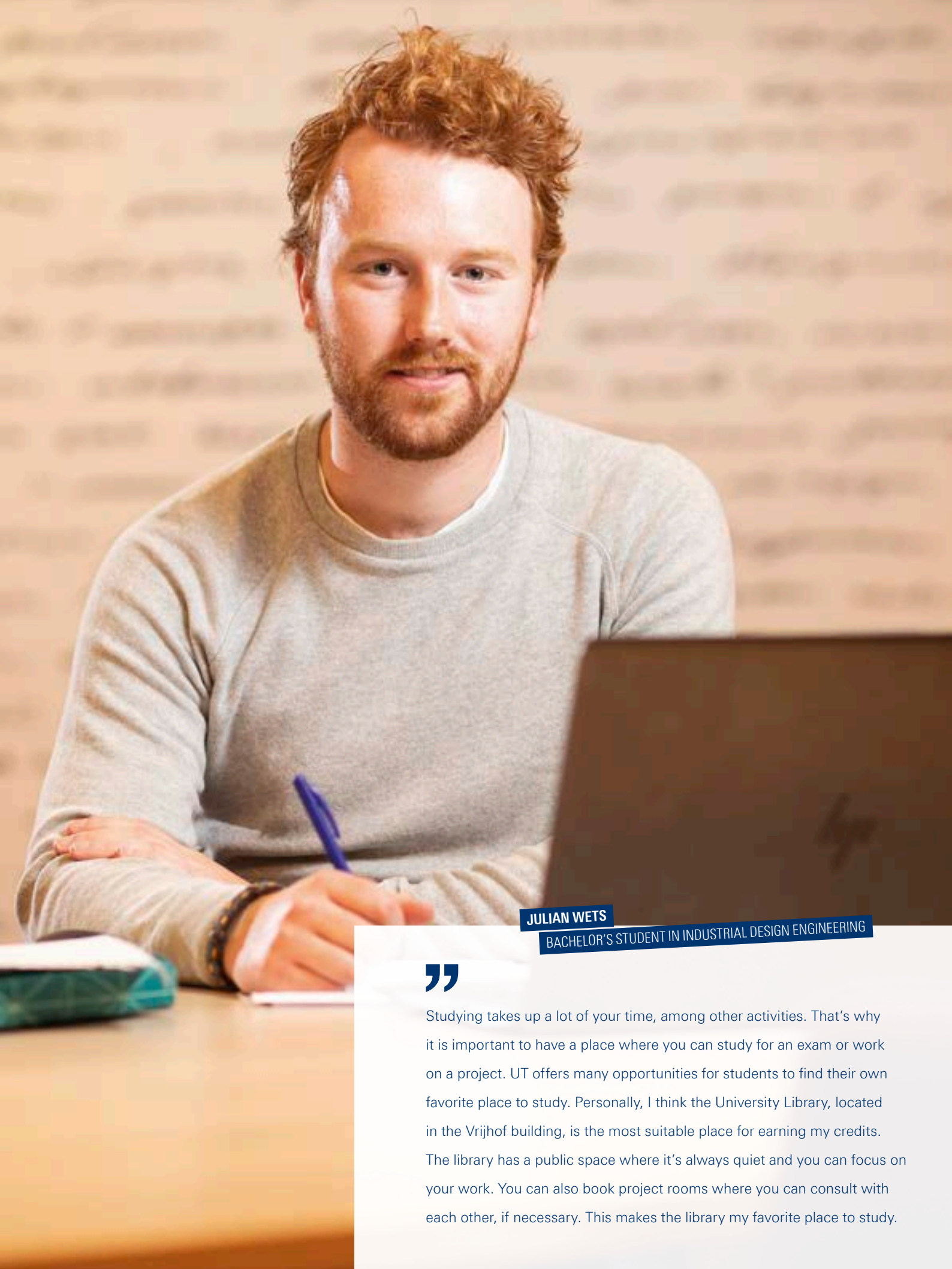


## PROJECT SPACES

Are you looking for a quiet place to study, or to work on your project? The project rooms are the perfect solution. A printer and a coffee machine is always close by.





**JULIAN WETS****BACHELOR'S STUDENT IN INDUSTRIAL DESIGN ENGINEERING****”**

Studying takes up a lot of your time, among other activities. That's why it is important to have a place where you can study for an exam or work on a project. UT offers many opportunities for students to find their own favorite place to study. Personally, I think the University Library, located in the Vrijhof building, is the most suitable place for earning my credits. The library has a public space where it's always quiet and you can focus on your work. You can also book project rooms where you can consult with each other, if necessary. This makes the library my favorite place to study.



**SIMON VAN ELDIK****BACHELOR'S STUDENT IN TECHNICAL COMPUTER SCIENCE****”**

Being at university is not just about studying, you can also invest a lot in your personal development. Learn a new language, try a new sport, immerse yourself in student life – anything goes. The only thing to look out for is not to overdo it. I'm thoroughly enjoying it all, but I do have to remind myself regularly to stay focused on my studies. Luckily, there's always the option of staying in an evening to study, so that you maintain the right between socialising and getting your degree. Also, it's great to know you can always get help at the UT in dealing with the various choices you have to make.



# WHAT WILL YOUR FUTURE LOOK LIKE?

Many of the small choices you make as a student can influence your future after finishing your degree. For example, the subject you choose for your graduation assignment, or whether or not you study abroad. Our Career Services team is here to help you in thinking about your future – so that your career gets off to a flying start as soon as you get your diploma!

## THE CAREER SERVICES TOOLKIT

### CAREER ADVICE

DO YOU HAVE QUESTIONS OR DOUBTS ABOUT YOUR CAREER?

You can benefit from our large, expert network of study and student associations, student organisations, faculties and alumni. We will gladly connect you with the right people, inside or outside UT – people who can help you as you map out your future.

### STUDY COMPASS

ARE YOU THINKING ABOUT STOPPING, OR SWITCHING PROGRAMMES?

Do you have to change direction because of a negative recommendation on continuation of studies after your first year? Or are you struggling to decide on a master's? Our team can become your personal compass. Through the interviews, tests and exercises we offer, you will quickly discover your interests and capacities. Together with our advisers, you can then discuss your results: hands-on and personal.

### USEFUL WORKSHOPS

TAKE PART IN USEFUL WORKSHOPS TO DEVELOP YOUR JOB APPLICATION SKILLS:

- ✓ Personal branding
- ✓ LinkedIn tips & tricks
- ✓ Writing your CV
- ✓ Interview skills
- ✓ Salary negotiation



# THESE PEOPLE HAVE GONE BEFORE YOU

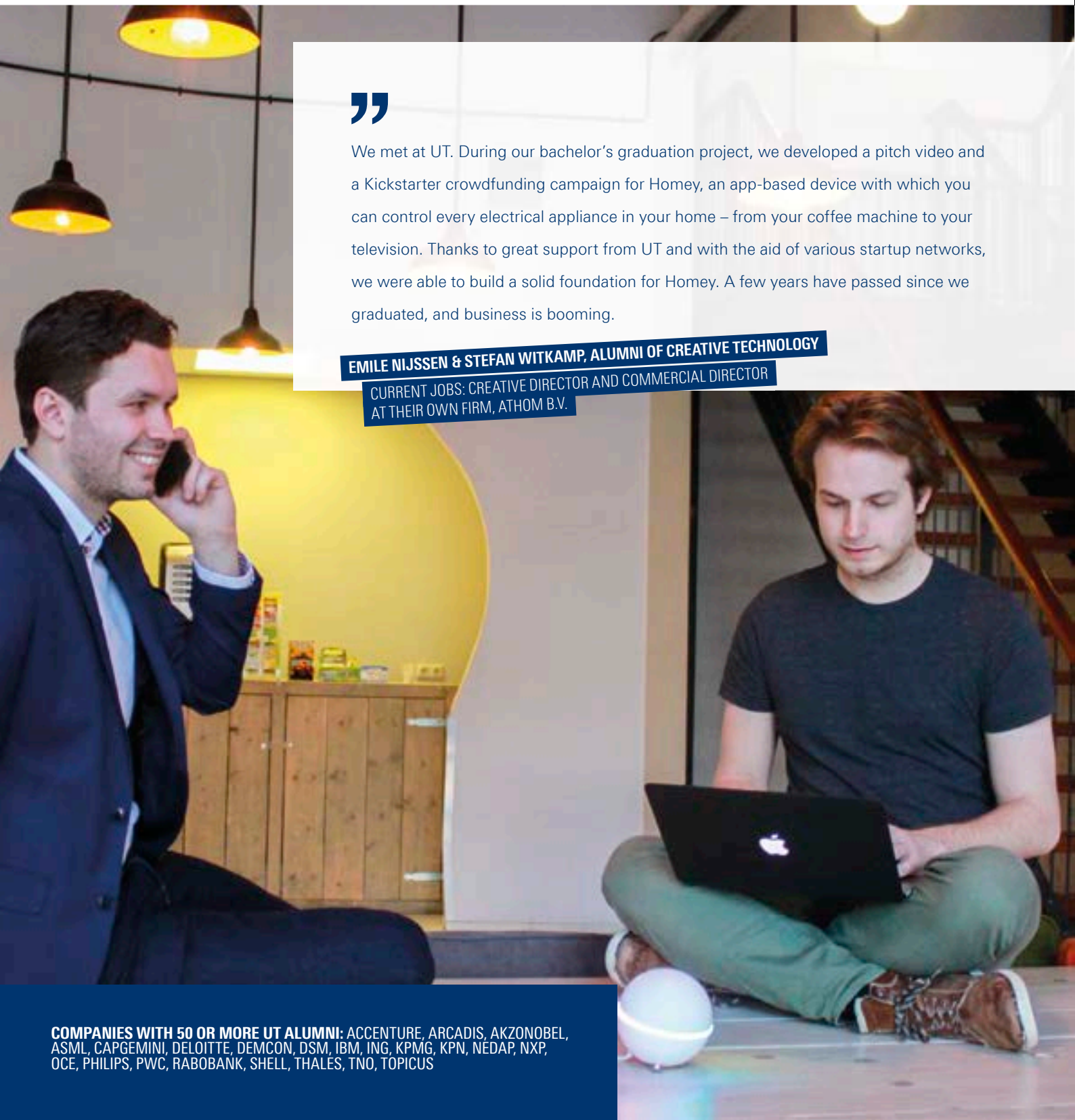
UT students fan out all over the world after graduating: from Berlin to Beijing and from Jakarta to San Francisco. To date, there are some 54,000 UT alumni at work in science, business or government roles.

”

We met at UT. During our bachelor's graduation project, we developed a pitch video and a Kickstarter crowdfunding campaign for Homey, an app-based device with which you can control every electrical appliance in your home – from your coffee machine to your television. Thanks to great support from UT and with the aid of various startup networks, we were able to build a solid foundation for Homey. A few years have passed since we graduated, and business is booming.

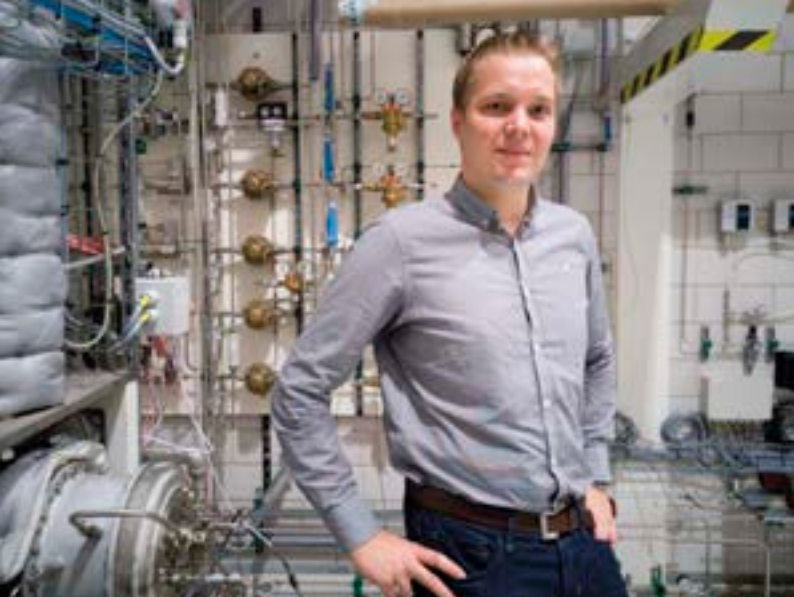
**EMILE NIJSSEN & STEFAN WITKAMP, ALUMNI OF CREATIVE TECHNOLOGY**

**CURRENT JOBS: CREATIVE DIRECTOR AND COMMERCIAL DIRECTOR  
AT THEIR OWN FIRM, ATHOM B.V.**



**COMPANIES WITH 50 OR MORE UT ALUMNI:** ACCENTURE, ARCADIS, AKZONOBEL, ASML, CAPGEMINI, DELOITTE, DEMCON, DSM, IBM, ING, KPMG, KPN, NEDAP, NXP, OCE, PHILIPS, PWC, RABOBANK, SHELL, THALES, TNO, TOPICUS





## WHAT IS AN ALUMNUS?

You are an alumnus/alumna when you successfully complete an academic programme, such as a:

- ✓ Bachelor's or master's
- ✓ PhD or PDEng position

Alumni is plural for:

- ✓ Alumna (female)
- ✓ Alumnus (male)

 [UTWENTE.NL/EN/ALUMNI](https://utwente.nl/en/alumni)

## DIGITAL EXPERT C

### AT THE DUTCH NATIONAL POLICE HIGH-TECH CRIME UNIT

"During my Bachelor's in Technical Computer Science, I did a minor in Law. Then I did my graduation assignment with the Dutch National Police, working on infringement of intellectual property. I worked on a case study and discovered what criminals do, what goals they have, and how we can put that into a model – with the purpose of finding ways to prevent them from achieving their goals. I enjoyed this project so much that I wanted to do a Master's in Computer Science, specialising in Cyber Security. Now I am part of the High-Tech Crime Unit, and I still think it's really cool. I'm glad that I chose the right specialisation during my studies."

*Jarmo van Lenthe, alumnus of Technical Computer Science*

## PHD CANDIDATE

### AT THE FOUNDATION FOR FUNDAMENTAL RESEARCH ON MATTER (FOM) AT UT

"I work as a PhD student at FOM, a foundation that promotes fundamental research in physics. As a PhD student, I am part of a University of Twente research group, and I regularly work at the NanoLab. I research the interaction between magnetism and a special type of conduction, which can be found in 'topological insulators'. I laid the foundation for this work in my Applied Physics studies. And now I get to put it into practice!"

*Denise Leusink, alumna of Applied Physics*



## PRINCIPAL COMBUSTION ENGINEER

### AT OPRA TURBINES

"At work I'm constantly using what I learned at UT. I graduated in 2013 and now work as a Combustion Engineer at OPRA Turbines, a company that builds large gas turbines used to generate energy for gas fields, oil platforms, industrial sites – and the 2014 Winter Olympics. My job is to make sure it is technically feasible for us to burn our clients' fuel. No two days are the same. My responsibilities include technical support for the sales department, making CFD models (Computation Fluid Dynamics, or simulating currents with the help of a computer), and testing fuels in our combustion lab or in a gas turbine. My ambition is to contribute to exciting, innovative technology. At work I'm constantly using what I learned during my studies. All the theory keeps coming back, yet the practical skills integral to UT's approach are even more important, such as problem-solving and project-based work. Mechanical Engineering at UT gives you an excellent foundation. When you graduate you are fully qualified and equipped for the job market."

*Thijs Bouden, alumnus of Mechanical Engineering*

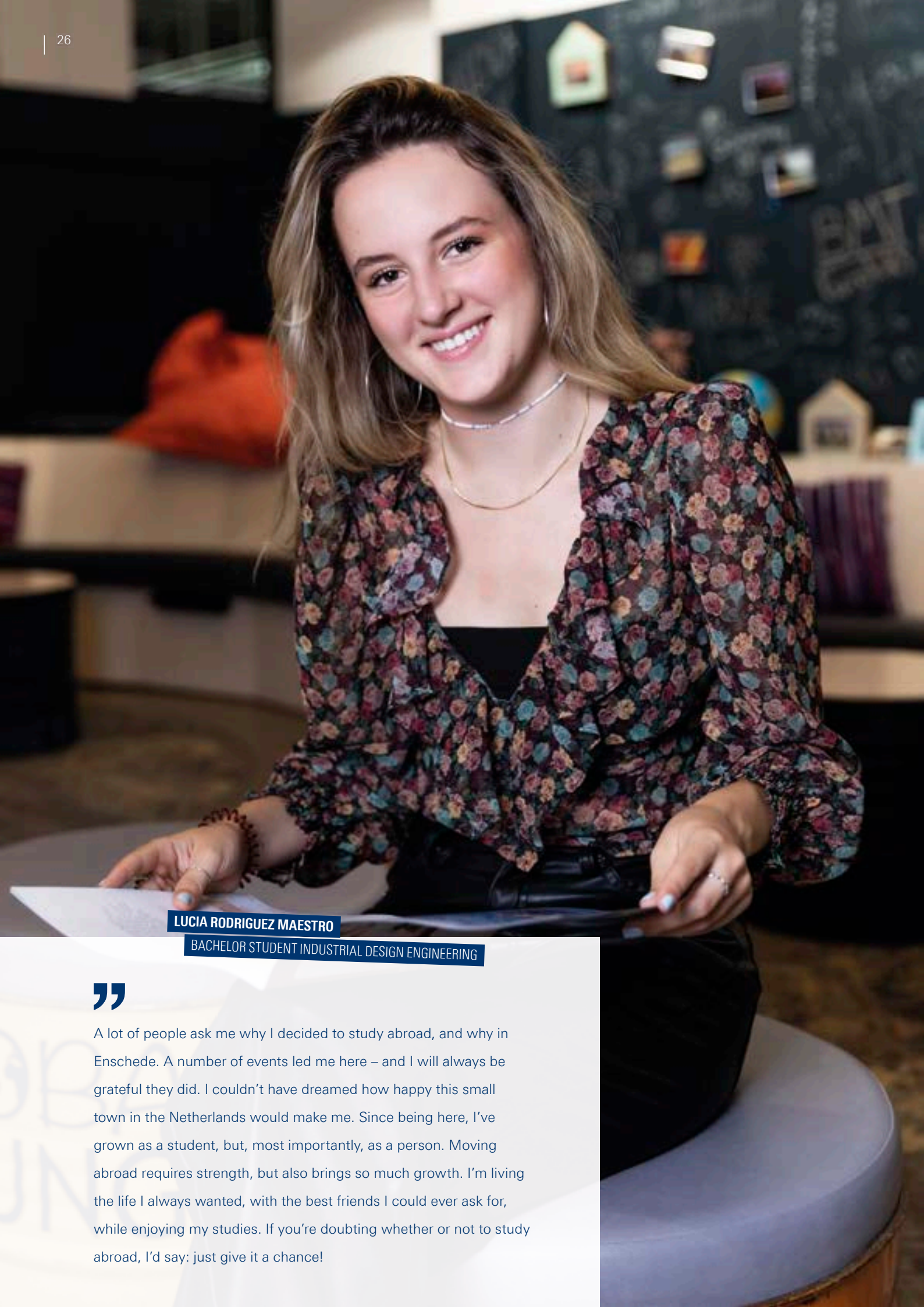
## CHIEF FINANCIAL OFFICER

### AT ENTORIA ENERGY

"Our company facilitates investments in sustainable energy. My studies turned out to be very useful and I use both theory and practice in my daily work. My success is largely the result of the way I strike a balance between theory and practice, a skill I acquired by combining my studies and extracurricular work during my time as a student. It's great to be an entrepreneur. I have just returned from meetings with the government of Laos, for example, and in Ukraine we have begun developing software and we have already received invitations from industry partners, investors and developers. The international vibe at the University of Twente served as a great starting point for my career."

*Vincent Bakker, alumnus of Industrial Engineering & Management*



**LUCIA RODRIGUEZ MAESTRO****BACHELOR STUDENT INDUSTRIAL DESIGN ENGINEERING****”**

A lot of people ask me why I decided to study abroad, and why in Enschede. A number of events led me here – and I will always be grateful they did. I couldn't have dreamed how happy this small town in the Netherlands would make me. Since being here, I've grown as a student, but, most importantly, as a person. Moving abroad requires strength, but also brings so much growth. I'm living the life I always wanted, with the best friends I could ever ask for, while enjoying my studies. If you're doubting whether or not to study abroad, I'd say: just give it a chance!



# WHEN YOU ARRIVE AS AN INTERNATIONAL STUDENT

Being an international student can be overwhelming. But at UT, you will encounter a welcoming environment. On arrival, you'll meet your peers during the 'Kick-In introduction week', where you can get to know Enschede and the campus. And joining the buddy programme, which links you as a new arrival to an experienced student, will also help you to settle into campus life.

## JOIN AN INTERNATIONAL STUDENT ASSOCIATION

At UT, you will become part of a colourful mixture of students from around the world. A strong network of student-run international student associations will be on hand, dedicated to helping you feel at home and make friends. There are more than 130 associations on campus open to everyone, ranging from sports and study, to performing arts and business. There are also international student associations based on culture or country, such as:

- ✓ La Voz Latin American student association
- ✓ Indian Student Association
- ✓ IrNut Iranian student association
- ✓ Romanian Student Association
- ✓ Pakistani Student Association

## MEETING GROUND: THE GLOBAL LOUNGE

The international flavour of UT is part of what makes us special. At the very centre is our Global Lounge. Anyone can hang out here, but it's also the space where internationally-oriented events take place. You're welcome to organise your own events here, too!

## LEARN DUTCH

While you're here, you might want to pick up some new skills – like learning Dutch! That's what the UT Language Centre is here for, offering workshops and courses that cover a range of topics, from language tuition to presentation skills and academic writing.

 [UTWENTE.NL/UTLC](https://utwente.nl/utlc)

## JOIN A STUDY ASSOCIATION!

- ✓ Participate in varied educational and fun activities
- ✓ Get discounts on your study books
- ✓ Get to know fellow students in your own year and beyond





# WORK OUT!

## UT AND SPORTS GO HAND IN HAND

Do you feel like working out? Whether it's simply to exercise, socialise, or learn something new in one of our courses: at UT, there are plenty of ways for you to stay fit during your studies.

### 33 SPORTS CLUBS

Do you like team sports? Or are you more of an individual athlete? Whatever your preference, there's a great variety of sports you can practice at UT. Over 30 sports clubs would love to have you join them! Bouldering, soccer, water polo, triathlon, table tennis, ice hockey, survivalrun – it will be hard to choose!

### TOP SPORTS FACILITIES

The UT campus hosts world-class sports facilities for almost all sports. In the Sports Centre right at the heart of our campus, you will find two large sports halls and four gymnasiums, a complete Fitness Centre, and an indoor swimming pool. Outside the Sports Centre, you can make good use of the tennis courts, the outdoor swimming pool, the running track and urban trails, and our versatile multisport fields, to name a few options.

More than that, there's a wide range of courses and group lessons you can try out, like swimming for absolute beginners, advanced Tai Chi or meditation. Or what about a session in body balance, Pilates, spinning, or Zumba? When you're done and all tired out, you can have a refreshing drink in our sports bar and canteen!

## YOUR ADMISSION CARD TO FITNESS & CULTURE

DO YOU LIKE TO WORK OUT REGULARLY, OR TO VISIT THE CINEMA OR THEATRE EVERY WEEK?

Then why not buy the UnionCard? You can get it for sixty euros a year (fifty euros if you order before 1 October). The card offers all kinds of benefits, such as free swimming in Enschede, and free use of our music studios. It is also a good way of reaching out to fellow students!

 [SU.UTWENTE.NL/EN](https://su.utwente.nl/en)





**ANNE KRAAI****BACHELOR STUDENT APPLIED PHYSICS****”**

After a long day of lectures, I love to clear my head by doing sports. Luckily, there are plenty of possibilities for that at the UT. I am a member of the swimming club, ZPV Piranha. I've been swimming in competitions ever since I was young. Like all the other sports associations here, the swimming club welcomes everybody: you don't have to be a seasoned swimmer – although a swimming certificate is handy. If you prefer water polo, diving, or rescue swimming, you can do that at Piranha too. It's a great place to hang out, with a relaxed atmosphere.



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Apart from my studies in CreaTe, I want to expand my horizon and make the most out of what the UT has to offer. Sports are not quite my thing, but I do love cultural activities. So, I'm learning to play the piano, I've signed up for a course on Creative Welding, and I'm part of Pro Deo, the improv theatre association here. It's what I like the most about the campus: there are so many opportunities to develop yourself!

**MARÍA COBO MUÑOZ****BACHELOR STUDENT CREATIVE TECHNOLOGY**





# EXPRESS YOURSELF!

Performances, lectures, concerts, stand-up comedy, dance recitals, exhibitions and creative courses. Culture occupies an important place on campus. Watch, listen, or get on stage yourself!

## EXCITING ASSOCIATIONS AND COURSES

Do you want to stimulate or develop your creativity? There are eighteen cultural associations you can join. Try stand-up comedy, ballet, salsa, or photography. There are also several orchestras, as well as a juggling and a games association! You can join all year round. Or sign up for one of our many creative courses, such as welding, creating jewellery from waste, or drawing.

## THE VRIJHOF

The building that breathes arts and culture the most on campus is the Vrijhof. Here you can find the University Library, our theatre and meeting rooms, the Theatre café, practice rooms for piano and pop music, work spaces, a ballet studio, exhibition spaces and more.

## DRESS UP YOUR ROOM

At the Art Library, you can borrow paintings, silk screens and photos free of charge. There are over 800 works of art in circulation.



# WHERE WILL YOU LIVE?

Each year, over 4,000 new students start at the University of Twente (UT). You can imagine that a lot of new students start their search for accommodation at the same time as you! Although UT does its utmost to inform you about finding possible accommodations, there is a housing shortage at the moment. To ensure a smooth start of your student life at UT, we urge you to arrange your accommodation before the start of your studies. You can find suitable accommodation in the city of Enschede, the city of Hengelo or on the university campus.

## GUARANTEED HOUSING OFFER FOR NON-EU

If you are a visa student (non-EU/EEA), you are guaranteed to receive a housing offer for a period of one year. You can register on our online housing platform Roomspot to respond to housing offers. If you accept an offer, you will sign a rental agreement with one of the local housing providers and will be subject to their rules, policies, and processes. After the maximum rental period of one year, you will have to move out of your rented accommodation. It is not possible to renew or extend your rental contract after this year. After the first year, students often find a place to live together in the cities of Enschede or Hengelo.

 [ROOMSPOT.NL/EN](https://roomspot.nl/en)

## LIVING WITH OTHERS

If you do not require an entry visa or residence permit and you need to search for accommodation yourself, we advise you to keep an eye on Roomspot or other online portals, such as the Student Union Kamersite. In the Netherlands, it is common for students to live together and share communal areas such as the living room, kitchen and bathroom, although each student has their own private bedroom. Living together is an essential part of student life, as you spend a lot of time with your housemates. So, when you apply to live somewhere, you may have to take part in a resident selection procedure, to ensure a good fit between you and your future housemates. We recommend you to put some effort into your application. Tell them about yourself and why you would like to live with them! You might be rejected a couple of times, but don't give up. Just be yourself and you will have a good chance to find a room with nice roommates.

## COSTS

The rent for accommodation varies from approximately €300 to €800 per month and there are multiple options both on- and off-campus.

## SPECIFIC CIRCUMSTANCES

If you have any further questions about accommodation in your specific circumstances, there are plenty of options to help you find the answers. Make sure to check the UT website for additional information, tips and tricks, and FAQs or get in touch with UT Housing.

 [UT.ONL/HOUSING](https://ut.nl/housing)



## TIPS & TRICKS

### SOONER RATHER THAN LATER

To ensure a smooth start of your student life at UT, we urge you to arrange your accommodation before the start of your studies. Create an account on **Roomspot.nl/en** or the Student Union Kamersite and start your search. Other online possibilities are national platforms such as **Kamernet.nl**, **Pararius.nl**, **Huurwoningen.nl**, and **Kamersenschede.nl**. Be aware that we are no direct partners of these national platforms and we cannot guarantee the quality and reliability of the rooms.

If you are a visa student (non-EU/EEA) applying for a guaranteed offer, we recommend you to apply as soon as possible as well. The distribution of rooms is established on a 'first come, first serve' basis, so to get the accommodation most suitable for you, early application is advisable. You do need to be admitted first to get a room via **Roomspot.nl/en**.

### BE REALISTIC IN YOUR WISHES

Who wouldn't like to live in a three-bedroom apartment with a nice view over the city? Sometimes it's better to accept a housing offer when it comes along and search from there. Once you're living in the area, you can use your newly built network to search for accommodation better suited to your personal preferences.

### AVOID SCAMS

Don't be too picky, but watch out for scammers as well. A lot of different tricks are being used, mostly trying to take advantage of the fact that people are not able to come and check out the property in person. Is the rental price considerably lower than other similar accommodations in the area? If something seems too good to be true, it probably is. Check our website for tips and tricks as well as red flags while looking for housing.

 [SU.UTWENTE.NL/EN/ROOMS](https://su.utwente.nl/en/rooms)



**KATRINA RIMSA**

BACHELOR STUDENT UNIVERSITY COLLEGE TWENTE / ATLAS

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Luckily, I did not have to worry about finding housing in Enschede, since ATLAS students have a guaranteed room on campus. I live in the Drienerburght, together with other first-year ATLAS students. Everyone here has their own room with a private bathroom, and we share the kitchen, where we cook and eat together. Living with fellow students makes it that much easier to develop strong friendships. It's an advantage when we need to work on projects together as well. For students living on campus, everything – from lectures to sports, food, and parties – is within walking distance. And the city centre is only a 15-minute bike ride away!







# WHEN YOU NEED A HELPING HAND

Sometimes you need a little bit of help. A nudge to help you successfully complete your studies. If you have personal circumstances or are experiencing personal problems that are affecting your studies or your well-being, feel free to talk to our advisers and counsellors.

## **YOUR STUDY ADVISER**

When you start studying at UT, your first point of contact will be your study adviser. He or she will monitor your progress and help you deal with academic and study-related issues, such as study choices, planning and task completion.

## **STUDENT AFFAIRS, COACHING AND COUNSELLING**

Are personal circumstances, such as illness or disability, hindering you in your studies? Student Affairs, Coaching and Counselling (SACC) can help you find a suitable form of support. In case of mental issues such as depression, homesickness, problems with parents, relationships or fellow students, or doubts about your study choice, you can see our student psychologists free of charge. Consult the career counsellor if you have doubts about your choice of study and consider stopping or changing your programme of study. When choosing a master's, you can call in the career counsellor. You can consult the student counsellor if you have any questions about your rights and obligations, student finance and financial support, coaching, and study facilities.

## **PERSONAL DEVELOPMENT TRAINING**

Are you suffering from stress, procrastination or exam anxiety? Are you struggling to draw your boundaries? Why not take a mindfulness or self-management training? It will help you grow!

 [UT.ONL/WELLBEING](https://ut.onl/wellbeing)



# STEP-BY-STEP PLAN

## FROM WONDERING TO REGISTERING

A lot depends on what you decide to study. That's why you need to take the time to discover which university and degree are best for you. Do you need help deciding? Follow this step-by-step plan!

### STEP 1 DISCOVER YOUR TALENT

WHAT ARE YOU ENTHUSIASTIC ABOUT?

WHAT ARE YOU GOOD AT?

Take note of your findings, take a study choice test, and talk to your teacher(s). Did you know that UT organises orientation study choice activities for secondary school students?

### STEP 2 START GETTING ORIENTED

COLLECT ALL THE AVAILABLE INFORMATION ON PROGRAMMES, COLLEGES AND UNIVERSITIES.

See which bachelor's match your interests.

You may want to visit fairs: [ut.onl/fairs](https://ut.onl/fairs)

Then answer this question: what is really important to you in a programme? [ut.onl/bsc](https://ut.onl/bsc)

Ask your questions via chat, telephone, WhatsApp or email, or visit the Study Information Centre

[ut.onl/bsc-contact](https://ut.onl/bsc-contact)

### STEP 3 LOOK AND COMPARE

HAVE YOU FOUND ONE OR MORE PROGRAMMES THAT APPEAL TO YOU? COMPARE THEM!

Visit Open Days and talk to students and teachers.

Are you seriously interested in a particular programme?

Then sign up to be a Student for a Day, and come share in a typical day in the life of a UT student.

[utwente.nl/studentforaday](https://utwente.nl/studentforaday)

### STEP 4 MAKE YOUR DECISION

BY NOW YOU WILL BE READY TO DECIDE WHICH PROGRAMME SUITS YOU BEST.

Follow your own gut feeling – after all, it is your choice. Whether or not you will have direct admission to a specific programme depends on your profile and electives. Before signing up, ask yourself these questions:

- ✓ Have I prepared myself adequately?
- ✓ Do I have the right profile?
- ✓ Does admission to my programme of choice involve a draw, or decentralised selection?



## STEP 5 SIGN UP

VISIT [STUDIELINK.NL](https://studielink.nl)

You can sign up through the registration link on the webpage of your chosen bachelor's. Then complete the registration package that you will receive by email. Send it back once it is completed – only then will your registration be definite. Just to be sure: be on time so that you can participate in our mandatory study choice activities.

*Our Bachelor's in Psychology and Technical Medicine have a numerus fixus with a deadline of 15 January 2024*

## STEP 6 MAKE THE MATCH

IF YOU HAVE SIGNED UP, THEN YOU WILL RECEIVE AN INVITATION TO TAKE PART IN A STUDY CHOICE CHECK.

This is a final check aimed at helping you and our programme staff to see whether you have made the right choice. This check is mandatory for some programmes.

## APPLICATION DEADLINES

Below are the general deadlines for applications. Please note that some programmes have different deadlines!

### VISA STUDENTS

- ✓ Completed application form: before **1 MAY**
- ✓ Bachelor Offer of Admission: before **1 JUNE**
- ✓ Payment deadline: before **1 JULY**

### NON-VISA STUDENTS

*(including Dutch nationals with a foreign diploma)*

- ✓ Completed application form: before **1 JULY**
- ✓ Bachelor Offer of Admission: before **1 AUGUST**

### NUMERUS FIXUS STUDIES

(PSYCHOLOGY, TECHNICAL MEDICINE)

- ✓ Completed application form: before **15 JANUARY**

[UT.ONL/DEADLINES](https://ut.onl/deadlines)





# FIRST TIME AT UNIVERSITY

## A MODULE-BASED PROGRAMME

Your bachelor's takes three years. At UT, every year consists of four 10-week modules. So during the course of your studies you will complete 12 modules. In every module, you work on a current subject from society or the business world. This subject brings together all the different components of your studies: theory and practice, research and designing solutions, self-study and teamwork. A fixed part of every module is the team project, in which you apply the knowledge you've acquired to a current challenge, and design a workable solution with your team.

## CREDITS – HOW DOES IT WORK?

European universities work with study credits, also known as ECs. The abbreviation EC is derived from the European Credit Transfer System (ECTS), which was designed for the international comparison of courses. One credit equals 28 hours of work; you need to collect 60 credits each year. Depending on the structure of your study programme, you receive credits for every assignment or exam you pass.

## BINDING RECOMMENDATION ON CONTINUATION OF STUDIES

Our goal is to get you to the right place as quickly as possible, which is why we work with a binding recommendation on continuation of studies (BSA). As a first-year student you will receive this study advice at the end of the first academic year. You will receive a positive advice if you have obtained 45 or more of the 60 ECs and have met the possible programme specific requirements in this year. If you get a negative advice, it is binding, which means you have to leave the programme and cannot re-register yourself for the programme for the next three academic years. In some circumstances, we can give you a positive study advice despite having too few credits – for example, if we are convinced that you are in the right place – or postpone your study advice until the second academic year because of personal circumstances. If you're struggling with personal circumstances, such as illness or other problems, we advise you to get in touch with SACC.

 [UT.ONL/WELLBEING](https://ut.onl/wellbeing)



# PRACTICAL INFORMATION

We hope this brochure gives you an idea of what the University of Twente has to offer you. In this section, we lay out everything you need to know to come and study with us. We look forward to meeting you!

## ADMISSION

If you have a secondary school diploma equivalent to the Dutch 'VWO diploma', you can study at a university in the Netherlands. For more details, check [ut.onl/diplomas](https://ut.onl/diplomas). Your admission to a specific programme depends on your profile and the electives you took at secondary school. For specific admission requirements, check the programme overview of bachelor's in this brochure. For questions about diplomas, please contact our Admission Office.

[UT.ONL/APPLY-BSC](https://ut.onl/apply-bsc)

## ENROLMENT

You first need to apply for your programme online via Studielink.nl. For every programme featured on our website ([ut.onl/bsc](https://ut.onl/bsc)), you can click through to Studielink. You can also use this link to register with the Dutch Education Executive Agency (DUO). Once you have enrolled, we'll send information regarding the finalisation of your registration.

## NEED A PREPARATORY YEAR?

Are you an international student who does not meet the requirements for direct entry to one of our English-taught bachelor's? Then UT offers you the opportunity to take an international foundation year after which you will be admissible. This one-year programme combines academic study, English language training and study skills to prepare you for degree-level study. The application deadline is 1 July.

[UT.ONL/FOUNDATION-YEAR](https://ut.onl/foundation-year)

## CODE OF CONDUCT

UT is a co-signatory of the Code of Conduct for International Students in Dutch Higher Education. This Code of Conduct requires non-EEA students to, among others, have sufficient study progress (50%).

[UTWENTE.NL/MOMI](https://utwente.nl/momi)

[INTERNATIONALSTUDY.NL/EN](https://internationalstudy.nl/en)

## NEED A VISA? WE CAN HELP

If you have already been admitted to the University of Twente and need to obtain a visa, don't worry, we can help. The Student Services Contact Centre will contact you after your admission and guide you through all the required visa and residence procedures. They can also help you arrange health and liability insurance.

[UT.ONL/VISA](https://ut.onl/visa)





# WHAT ABOUT THE BUDGET?

Studying costs money. As Dutch universities do not receive government funding for non-EU students, we set different rates for students from outside the EU/EEA.

## TUITION FEES 2024-2025

### BACHELOR TUITION FEES PER YEAR

NATIONALITY	TUITION FEES PER YEAR	UCT STUDENTS
EU/EEA nationalities	€2,530	€5,006
Non-EU/EEA nationalities	€9.625 of 13.000*	€13,084

*\* depending on the programme*

To view the latest information regarding tuition fees visit:

[UTWENTE.NL/TUITIONFEES](https://utwente.nl/tuitionfees)





## CHECK THE SCHOLARSHIP FINDER

As an international student coming to the University of Twente, you may be eligible for a scholarship. Various organisations provide scholarships. Find out more by checking the Scholarship Finder on our website.

[UT.ONL/SCHOLARSHIP-FINDER](https://ut.nl/scholarship-finder)

## STUDENT FINANCE

If you're under 30, registered in full-time education or a work-study programme, and a Dutch citizen – or entitled to the rights of a Dutch national on the basis of your residence permit or nationality – you're eligible for student finance. Find out more at the DUO website.

[DUO.NL/PARTICULIER/INTERNATIONAL-STUDENT](https://duo.nl/particulier/international-student)

## OTHER EXPENSES

Tuition fees are not all. You'll also need money for housing, food and so on. According to Nibud, the National Institute for Family Finance Information in the Netherlands ([nibud.nl](https://nibud.nl)), living the student life will cost you, on average, about a thousand euros a month – that's including the EU/EEA tuition fee mentioned above. Here's the calculation behind that estimate:

### COSTS FOR EU/EEA STUDENTS LIVING AWAY FROM HOME

Rent (this cost is generally lower in Enschede)	€426
Insurances	€ 129
Telephone	€19
Entertainment (Netflix, Spotify etc.)	€13
Textbooks	€49
Transport (on top of a rail card)	€72
Recreation, going out, sport	€124
Shoes and clothing	€53
Food	€173
Other	€91
<b>Total average per month</b>	<b>€1.149</b>





## OVERVIEW

# BACHELOR OF SCIENCE PROGRAMMES

The University of Twente is rapidly internationalising. Our many English-taught programmes will help you prepare for an increasingly international society. Studying here is a great way to gear up for career opportunities around the world. You can choose from sixteen English-taught and four Dutch-taught bachelor's.

## ADVANCED TECHNOLOGY

## APPLIED MATHEMATICS

## APPLIED PHYSICS



## BIOMEDICAL TECHNOLOGY



## BUSINESS INFORMATION TECHNOLOGY

## CHEMICAL SCIENCE &amp; ENGINEERING

## CIVIL ENGINEERING

## COMMUNICATION SCIENCE

## CREATIVE TECHNOLOGY

## ELECTRICAL ENGINEERING

## HEALTH SCIENCES



## INDUSTRIAL DESIGN ENGINEERING

## INDUSTRIAL ENGINEERING &amp; MANAGEMENT

## INTERNATIONAL BUSINESS ADMINISTRATION

## MANAGEMENT, SOCIETY &amp; TECHNOLOGY

## MECHANICAL ENGINEERING (UT)

## MECHANICAL ENGINEERING (VU)

## PSYCHOLOGY

## TECHNICAL COMPUTER SCIENCE

## TECHNICAL MEDICINE



## UNIVERSITY COLLEGE TWENTE (ATLAS)



# ADVANCED TECHNOLOGY

Are you interested in different aspects of science and technology? Do you want to find your own way through various fields of expertise and not just focus on one discipline? Then go for the three-year, English-taught Bachelor's in **Advanced Technology**. A wide range of disciplines come together in this programme.

## WHY ADVANCED TECHNOLOGY?

Advanced Technology is the most multifaceted technical bachelor's in the Netherlands. You will immerse yourself in electrical engineering, applied mathematics, process engineering and mechanical engineering, as well as nanotechnology, robotics and mechatronics, big data, energy and sustainable technology. No wonder the programme's slogan is 'Explore and develop your science and engineering talents'. Knowing the language of each of these disciplines means you can complete, or supervise, multidisciplinary projects from beginning to end – rather than focussing on a single component and passing that on to the next specialist. The atmosphere in this programme is pleasant and informal and as a student you will receive intensive guidance.

## AFTER YOUR BACHELOR'S

Where you end up working depends on the master's you choose. Some of our alumni work as researchers at universities, as process engineers, software engineers, R&D scientists or mechanical engineers – for example right here in Twente, the fastest growing industrial region in the Netherlands. As you will also develop your leadership skills in this programme, you could end up in a consultancy or management position, too – or start your own business. There are plenty of possibilities!

## POPULAR MASTER'S

Applied Physics • Applied Mathematics • Biomedical Engineering • Business Administration • Chemical Science & Engineering • Computer Science • Electrical Engineering • Interaction Technology • Industrial Engineering & Management • Mechanical Engineering • Nanotechnology • Robotics • Spatial Engineering • Sustainable Energy Technology

### ADMISSION REQUIREMENTS FOR INTERNATIONAL STUDENTS

- » CERTIFICATE EQUIVALENT TO DUTCH VWO (E.G. BRITISH A-LEVELS, INTERNATIONAL BACCALAUREATE)
- » ENGLISH (CEFR, B2/C1 LEVEL; IELTS 6.0, TOEFL 80 OR CAMBRIDGE CAE)
- » MATHEMATICS, PHYSICS
- » COMPULSORY PARTICIPATION IN ONE OF OUR MATCHING EVENTS (CHECK OUR WEBSITE FOR MORE INFORMATION)

### ENGLISH-TAUGHT



JASMIJN OUDE NIJHUIS

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**ADVANCED TECHNOLOGY IS A PROGRAMME FOR STUDENTS WHO ARE CURIOUS ABOUT MORE THAN ONE ASPECT OF TECHNOLOGY. THEREFORE, YOU LEARN TO SOLVE PROBLEMS FROM MULTIPLE PERSPECTIVES.**

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# APPLIED MATHEMATICS



Wherever people engage in calculating or modelling, mathematics plays a decisive role. The Bachelor's in **Applied Mathematics** teaches you to use mathematical insights for solving practical problems. How can we schedule hospital facilities and staff in an efficient way? How can you use solar and wind energy to provide reliable electricity systems or how can you use medical imaging to detect certain diseases as well as predict their future behaviour?

## WHY APPLIED MATHEMATICS?

Societal impact is one of UT's core values and this programme proves it. While covering all the mathematical theory and skills you would expect from a bachelor's in math, we also have a strong focus on practical application. In this programme, you will learn how to put mathematical instruments to use in, for example, technology, the medical world, banking and insurance, the environment, and traffic. By simplifying practical problems and designing a mathematical model for them, you can come up with tools for simulating situations and for making optimal decisions or design choices. With this degree, you will be an expert in reducing complex, real-life issues to their mathematical essence, and using the obtained insight to find solutions to real-life problems.

## BECOME A BOUNDARY CROSSER

You will later often work in a team of professionals, each having their own distinctive skills, in an international environment. As a student, you will learn to cross boundaries, literally and figuratively, to prepare you for a job doing various assignments within such multidisciplinary project teams. Need an even greater challenge? Then you can do a double degree programme, combining Applied Mathematics with Applied Physics or Technical Computer Science.

## AFTER YOUR BACHELOR'S

As a mathematical engineer you can look at any problem from an abstract point of view. Regardless of the field in which the problem occurs, you will be able to see the common denominator across seemingly totally different problems. After completing your studies, you will be able to work all over the world in many different fields: for a tech company, for the government, at a bank or insurance company or in education or research. There is almost no company in the world who could not benefit from the skills of mathematicians.

## POPULAR MASTER'S

Applied Mathematics • Science Education & Communication • Sustainable Energy Technology

### ADMISSION REQUIREMENTS FOR INTERNATIONAL STUDENTS

- » CERTIFICATE EQUIVALENT TO DUTCH VWO (E.G. BRITISH A-LEVELS, INTERNATIONAL BACCALAUREATE)
- » ENGLISH (CEFR, B2/C1 LEVEL; IELTS 6.0, TOEFL 80 OR CAMBRIDGE CAE)
- » MATHEMATICS

### ENGLISH-TAUGHT



**ANOUK BEURGENS**

”

**I LIKE THAT THE APPLICATION AREAS OF APPLIED MATHEMATICS ARE ENDLESS AND FOCUSED ON THE REAL WORLD. MODELLING CAN BE APPLIED TO, FOR INSTANCE, BANKING, THE ENVIRONMENT OR HEALTHCARE.**

”





# APPLIED PHYSICS

How can the human brain perform 100,000 times as many tasks per second as a modern chip, with ten times less energy? Will unbreachable security soon become a reality with the help of quantum physics? What will the chip of the future look like and what kind of physics knowledge will it require to make it? If questions like these fascinate you, then the three-year, Dutch-taught Bachelor's in **Applied Physics** is the perfect choice for you.

## WHY APPLIED PHYSICS?

During this Bachelor's, you will study and work at the intersection of fundamental physics and (new) technology. As an applied physicist, you will learn to analyse very complex problems, and as an engineer you will be able to create the necessary solutions yourself. Your main quest will be for knowledge and application possibilities that do not yet exist.

## TOP SPORT MENTALITY

For years, our bachelor's has been the highest-rated physics degree in the Netherlands, partly due to the combination of individually tailored solutions and a true 'top sports mentality': we're eager to help you move outside your comfort zone and explore the edges of your abilities. You will meet top scientists, keeping in step with the latest developments and the most modern equipment and measurement methods. In combination with mathematics, computer science offers valuable tools widely used in physics. This programme offers you the opportunity to go as far as you want to, with subjects like Computational Physics and Machine Learning.

## AFTER YOUR BACHELOR'S

Most students enter a master's programme after their bachelor's, for example the Master's in Applied Physics. After that, most graduates work in a position applying their theoretical knowledge of physics in a practical way, for example in research and development, management and consultancy, or engineering and production.

## POPULAR MASTER'S

Applied Physics • Applied Mathematics • Science Education & Communication  
• Nanotechnology • Biomedical Engineering • Sustainable Energy Technology  
• Computer Science

## ADMISSION REQUIREMENTS FOR INTERNATIONAL STUDENTS

- » CERTIFICATE EQUIVALENT TO DUTCH VWO (E.G. BRITISH A-LEVELS, INTERNATIONAL ACCALAUREATE)
- » DUTCH (NT2, PROGRAM I OR CNAV1, PMT OR PPT)
- » MATHEMATICS, PHYSICS

## DUTCH-TAUGHT



NOAH VAN DIJK

”

**IN APPLIED PHYSICS I LEARN TO EXPLAIN PHENOMENA IN THE WORLD. I HAVE ALWAYS BEEN CURIOUS ABOUT HOW THE WORLD WORKS AND WHY THINGS WORK THE WAY THEY DO. THAT'S WHY THIS PROGRAMME IS PERFECT FOR ME.**

”

# BIOMEDICAL TECHNOLOGY

What requirements must artificial (bio) materials meet in order to function properly in the body? How do you design an artificial kidney? How accurate are imaging techniques, such as optics, ultrasound and X-rays? In our Dutch-taught Bachelor's in **Biomedical Technology**, you will learn to convert knowledge of physics, mathematics, chemistry, mechanical engineering, electrical engineering, biology and medicine into new technological applications for medical care.

## WHY BIOMEDICAL TECHNOLOGY?

The role of technology in healthcare is growing rapidly – and with it the demand for engineers who can use their medical knowledge to design solution-driven technology. This programme prepares you for exactly that. Mathematics is the language of engineers and therefore an important component at BMT. You will learn to research and analyse clinical problems in the healthcare sector, and to convert your insights into concrete, viable technological innovations. With this programme, you will be uniquely prepared to combine various disciplines.

## LEARN IN THE BEST LABS

Developing technical-medical innovations is one of University of Twente's spearheads. At the Technical Medical Centre, our internationally leading research and innovation centre, students, researchers, medical staff and external partners work together on innovations for healthcare. As a Biomedical Technology student, you will be a part of this – learning and developing in an inspiring environment.

## AFTER YOUR BACHELOR'S

In and around the healthcare sector, there is increasing demand for academically trained professionals who combine medical knowledge with technological expertise. With your bachelor's degree you can enter our two-year, English-taught Master's in Biomedical Engineering. As a biomedical engineer, you will have very broad and challenging career opportunities. You can set to work in science and research, advise on purchasing and using medical devices in healthcare institutions, develop new healthcare applications or get a job as a consultant, advising on the development of new medical technology.

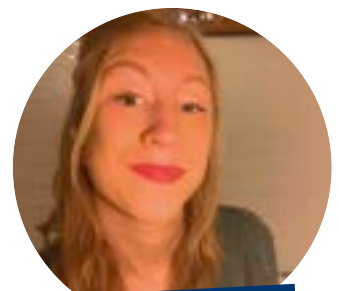
## POPULAR MASTER'S

Biomedical Engineering

### ADMISSION REQUIREMENTS FOR INTERNATIONAL STUDENTS

- » CERTIFICATE EQUIVALENT TO DUTCH VWO (E.G. BRITISH A-LEVELS, INTERNATIONAL BACCALAUREATE)
- » DUTCH (NT2, PROGRAM I OR CNAVt, PMT OR PPT)
- » MATHEMATICS, PHYSICS AND/OR CHEMISTRY, ENGLISH
- » RECOMMENDED: BIOLOGY
- » COMPULSORY PARTICIPATION IN ONE OF OUR MATCHING EVENTS (CHECK OUR WEBSITE FOR MORE INFORMATION)

### DUTCH-TAUGHT



FENNA HEIJBROEK

”

**WITH THE KNOWLEDGE THAT YOU GAIN IN MATHEMATICS, PHYSICS, MECHANICAL ENGINEERING AND MEDICINE, YOU CAN MAKE A MAJOR CONTRIBUTION TO TECHNOLOGICALLY INNOVATIVE DEVELOPMENTS IN MEDICAL CARE, SUCH AS ORGAN-ON-A-CHIP, REHABILITATION ROBOTS AND PROSTHESES.**

”



# BUSINESS INFORMATION TECHNOLOGY

In this three-year, English-taught Bachelor's in **Business Information Technology**, you will learn how organisations can best use the growing possibilities of digitalisation, big data, the Internet of Things, machine learning and Business Intelligence. How do you prevent expensive automation projects from eventually failing, or how do you avoid getting a patchwork of systems and IT solutions that ends up confusing your employees? This programme teaches you to convert business needs and strategy into suitable, future-oriented IT solutions.

## WHY BUSINESS INFORMATION TECHNOLOGY?

This programme will equip you to fill the gap between managers and IT specialists. You will design information systems for business purposes and learn how to organise processes in a smarter and more user-friendly way, thus solving complex automation problems in large organisations. In the field of business administration, the programme covers subjects like business modelling, finance engineering and project management. The programme contains a solid foundation in math and as an IT expert, you will gain knowledge of programming, software design, ERP and workflow management systems and human-technology interaction.

## LEARN FROM TOP RESEARCHERS

The atmosphere is welcoming and informal, with plenty of room for personal attention. The curriculum is internationally oriented, and about half of our students are international. Your lecturers are top-level researchers in fields such as Data Science, Enterprise Architecture, Design Science, Supply Chain Management and Smart Industry. At the same time, the programme has a strong focus on practical applications, and you will get involved in many team projects from and with organisations.

## AFTER YOUR BACHELOR'S

You will soon be able to translate an organisation's vision, strategy, and way of working into system requirements and performance-enhancing IT architecture. Many graduates end up working in a position in which they bring together people, for example management or system users, and IT. This may happen in almost any sector: from governance to health, from the manufacturing industry to the financial sector, etc. There is a high demand in the job market for professionals like you, especially if you go on to complete the Master's in Business Information Technology.

## POPULAR MASTER'S

Business Information Technology • Computer Science • Industrial Engineering & Management • Business Administration • Interaction Technology

### ADMISSION REQUIREMENTS FOR INTERNATIONAL STUDENTS

- » CERTIFICATE EQUIVALENT TO DUTCH VWO (E.G. BRITISH A-LEVELS, INTERNATIONAL BACCALAUREATE)
- » ENGLISH (CEFR: B2/C1 LEVEL; IELTS 6.0, TOEFL 80 OR CAMBRIDGE CAE)
- » MATHEMATICS

### ENGLISH-TAUGHT



**VICTORIA LAPSHYNA**

”  
**I WANT TO BRIDGE  
THE GAP BETWEEN  
MANAGEMENT AND IT.**  
”

# CHEMICAL SCIENCE & ENGINEERING

What is the most efficient way to store electrical energy in molecules? What kind of filter would it take to filter out large amounts of CO<sub>2</sub> in a chimney? What composition would you expect from a material that is superconducting and how could you make it? Our three-year Bachelor's in **Chemical Science & Engineering** will help you develop expertise in understanding, designing and developing new, sustainable processes, materials and applications, with chemistry as your starting point.

## WHY CHEMICAL SCIENCE & ENGINEERING?

Chemical engineers tackle all possible challenges, from developing minuscule chemical structures – small enough to fit on a chip – to maintaining, improving or designing reactors or installations. The Bachelor's in Chemical Science & Engineering prepares you for that broad, fascinating practice, with subjects ranging from (bio)-organic chemistry to design of advanced materials and the operation of chemical processes. You will also become familiar with the mathematics needed to solve chemical-technological issues. And all of this in a small-scale programme in an excellent academic environment.

## JOIN A NEW GENERATION OF CHEMICAL ENGINEERS

You will get to work with other scientists on topics such as the production of drinking water, sustainable energy and chemicals, the development of supermaterials, and health-related advancements. You will join a new generation of chemical engineers equipped to design the sustainable processes and materials needed within these fields.

## AFTER YOUR BACHELOR'S

As a graduate, you will be able to design and develop sustainable, high-tech materials and chemical processes for all kinds of applications. You may develop an energy-saving process that does not yet exist today, or a membrane that separates H<sub>2</sub> from industrial gases. Perhaps your research will contribute to the development of a battery for efficiently storing electrical energy and delivering peak power. In short: your work will matter.

## POPULAR MASTER'S

Chemical Science & Engineering • Nanotechnology • Sustainable Energy Technology  
• Water Technology • Science Education & Communication

### ADMISSION REQUIREMENTS FOR INTERNATIONAL STUDENTS

- » CERTIFICATE EQUIVALENT TO DUTCH VWO (E.G. BRITISH A-LEVELS, INTERNATIONAL BACCALAUREATE)
- » ENGLISH (CEFR, B2/C1 LEVEL; IELTS 6.0, TOEFL 80 OR CAMBRIDGE CAE)
- » MATHEMATICS, PHYSICS, CHEMISTRY

### ENGLISH-TAUGHT



DEMI GOOSEN

”  
**IN OUR PROGRAMME,  
WE LEARN TO USE OUR  
CHEMICAL SKILLS TO UNLOCK  
SUSTAINABLE SOLUTIONS FOR  
A BETTER TOMORROW.**

”



# CIVIL ENGINEERING

In our Bachelor's in **Civil Engineering**, you acquire both the technical and non-technical knowledge you need to take on complex civil engineering challenges. What is involved in the construction of a new neighbourhood? How do we protect countries against rising sea levels? Which developments play a role in traffic and transport management? You will be equipped to design, construct and manage large projects in the fields of construction and infrastructure, water management, and traffic and transport.

## WHY CIVIL ENGINEERING?

The fusion of engineering – with subjects such as mathematics and mechanics – with 'soft skills' – such as management and communication – makes this Bachelor's unique, both in the Netherlands and internationally. As a civil engineer from Twente, you are perfectly equipped to come up with solutions that are technically sound, while also offering solid expertise in organisational and socio-economic aspects.

## PREPARE FOR AN INTERNATIONAL CAREER

The teaching language is English, about a quarter of the students and a fifth of the staff are from abroad, and the study programme is set in an international context. In the first year, for example, in the module on water management you design a dam for the Blue Nile in Ethiopia – looking not only at technical aspects, of course, but also at how to manage the area's many human and ecological interests.

## AFTER YOUR BACHELOR'S

Around the world, the demand for civil engineers is high. In the Netherlands alone, there are around 125,000 job vacancies at the moment. Our Bachelor's in Civil Engineering has been named best programme in its kind in the Netherlands for several years running by the Dutch 'Keuzegids Universiteiten'. Add to this that Dutch engineers are known as the best in the world ('Bring in the Dutch'), and you can understand that with this degree you can make a difference anywhere in the world – and that 100% of our master's graduates have a good job within three months of finishing.

## POPULAR MASTER'S

Civil Engineering & Management • Construction Management & Engineering  
• Spatial Engineering

### ADMISSION REQUIREMENTS FOR INTERNATIONAL STUDENTS

- » CERTIFICATE EQUIVALENT TO DUTCH VWO (E.G. BRITISH A-LEVELS, INTERNATIONAL BACCALAUREATE)
- » ENGLISH (CEFR, B2/C1 LEVEL; IELTS 6.0; TOEFL 80 OR CAMBRIDGE CAE)
- » MATHEMATICS, PHYSICS

### ENGLISH-TAUGHT



LIEKE VAN HAASTREGT

”  
**WHAT APPEALS TO ME IS THAT IT IS ABOUT MORE THAN JUST TECHNOLOGY, AND THAT I CAN DIRECTLY APPLY WHAT I LEARN IN A PROJECT.**

”

# COMMUNICATION SCIENCE



**Communication Science** at the University of Twente: hypermodern, challenging and 100% future proof. This programme makes you a true 21st century communications professional who moves effortlessly in organisations and who knows exactly how to bring people and new technologies together. To bring impact to society - now and in the future.

## WHY COMMUNICATION SCIENCE?

Would you like to know how fake news is spread? How new media applications emerge and affect us? Why some innovations make it, while others fail? Want to create a persuasive app, a 3D environment using virtual reality, or an animation designed to change the behaviour of its users for the better? Or to discover the extent to which the digital traces we leave behind, both online and offline, can be used to predict our attitudes and behaviour? Our Communication Science Bachelor's will prepare you academically and practically for an exciting role as connector in the unpredictable, digitalised world of tomorrow.

This programme has been designed to prepare you for the future in the best possible way. It is structured around three exciting, contemporary themes: Digital Society, Changing Organisations and Persuasive Tech. This means that as a communication scientist at UT, you will study human behaviour and interaction in the context of our high-tech, digital society. And while immersing yourself in communication theory, you will also work in teams on real-world problems. We will help you get familiar with the grand challenges of our age, and explore the important, pervasive role of communication in solving them.

## AFTER YOUR BACHELOR'S

As a graduate, you will be more than ready for the role as bridge builder who finds his or her way in our rapidly changing and unpredictable world. Those changes are a challenge to you. Your strong academic background, your professional skills and your technological know-how will allow you to work in PR, at a communications or marketing agency, as a communications professional for a company or (public) organisation, or as a UX (user experience) designer. Do you want to study on? Your Bachelor's degree in Communication Science gives you access to several very interesting masters.

## POPULAR MASTER'S

Communication Science • Business Administration • Psychology

### ADMISSION REQUIREMENTS FOR INTERNATIONAL STUDENTS

- » CERTIFICATE EQUIVALENT TO DUTCH VWO (E.G. BRITISH A-LEVELS, INTERNATIONAL BACCALAUREATE)
- » ENGLISH (CEFR, B2/C1 LEVEL; IELTS 6.0; TOEFL 80 OR CAMBRIDGE CAE)
- » MATHEMATICS

### ENGLISH-TAUGHT



**BRITT VAN DE VEN**

”

**THE TOPICS COVERED IN THIS PROGRAMME ARE VERY BROAD, CURRENT AND FUTURE-ORIENTED. BESIDES, THE PROJECTS ARE VERY PRACTICAL, WHICH I REALLY LIKE!**

”



# CREATIVE TECHNOLOGY

The Bachelor's in **Creative Technology** will equip you to develop the latest smart technology, and to apply solutions that contribute to a better future. For example, how can you reduce pain for people with chronic pain? How do you visualise data streams? What happens when you add music to a book?

## SOCIAL RELEVANCE IS KEY

You learn how to use the latest technology for developing solutions that contribute to a better future for people and society. Using your extensive knowledge of computer science, electrical engineering and design, you learn to cover the entire creation process during the many projects: from mapping the demand to making a working prototype and testing it with users.

## INTERNATIONAL IN ALL ITS FACETS

Creative Technology students come from all over the world, each bringing along their own background. In project teams, you will learn to work with others across cultural and disciplinary borders – much the same as in the business you will enter world after graduation. The purpose, function and organisation of our education. This means you will not only study in an international environment, but you will also be stimulated to incorporate different cultures and perspectives while developing sustainable solutions.

## BECOME A VERSATILE PROFESSIONAL

We will challenge you to participate in activities outside of your studies – like organising a study trip – to stimulate your development as a professional. Sometimes, you can even earn study credits that way. Your input also matters in the programme: together with our study association Proto, we are constantly improving our education and we organise all sorts of study-related activities.

### ADMISSION REQUIREMENTS FOR INTERNATIONAL STUDENTS

- » CERTIFICATE EQUIVALENT TO DUTCH VWO (E.G. BRITISH A-LEVELS, INTERNATIONAL BACCALAUREATE)
- » ENGLISH (CEFR, B2/C1 LEVEL; IELTS 6.0, TOEFL 80 OR CAMBRIDGE CAE)
- » MATHEMATICS

ENGLISH-TAUGHT



MICHELLE SUDJITO

”  
CREATIVE TECHNOLOGY MET ALL MY REQUIREMENTS: A BROAD INNOVATIVE, INTERNATIONAL AND CREATIVE COURSE.

”

## AFTER YOUR BACHELOR'S

As a Creative Technology graduate, you will be a designer with technical expertise, knowledge of social behaviour and an eye for social developments. You might set out to design and develop solutions for urban flooding, such as a rainwater buffer. Or maybe you will be the creative brain behind a new robot with emotional awareness, or an application that allows athletes to check all their progress and achievements at a glance. If you want to set to work with your bachelor's, you will find good job opportunities as an IT trainee, web designer, or innovation developer. You could also launch your own creative start-up. Most of our graduates specialise by doing a master's.

## POPULAR MASTER'S

Interaction Technology • Embedded Systems • Industrial Design Engineering Business Information Technology • Computer Science • Electrical Engineering • Educational Science & Technology • Science, Education & Communication

 [UT.ONL/BSC-CREATE](https://ut.onl/bsc-create)

# ENSCHEDÉ OR AMSTERDAM?

Did you know you can also study **Creative Technology** in Amsterdam? This is a collaboration with Vrije Universiteit Amsterdam (VU).

## CHOOSE YOUR UNIVERSITY

### Why Enschede?

The University of Twente offers an inspiring study, working and living environment where education, research, living, sports and culture comes together. You will find everything you need on the UT campus. It is home to high-tech facilities, and over 100 student associations. At UT, you will benefit from a personal and interdisciplinary education model.

### Why Amsterdam?

When choosing Creative Technology at VU Amsterdam you can combine high-tech facilities and technical expertise of UT, and studying in a metropolitan city. Both universities offer the same curriculum. At VU Amsterdam, you will be challenged to look beyond the boundaries of your studies, society and yourself. The impact of technology on your fellow man is at the core of this university. At VU, you will learn to take a broad view of society and design solutions that truly matter.

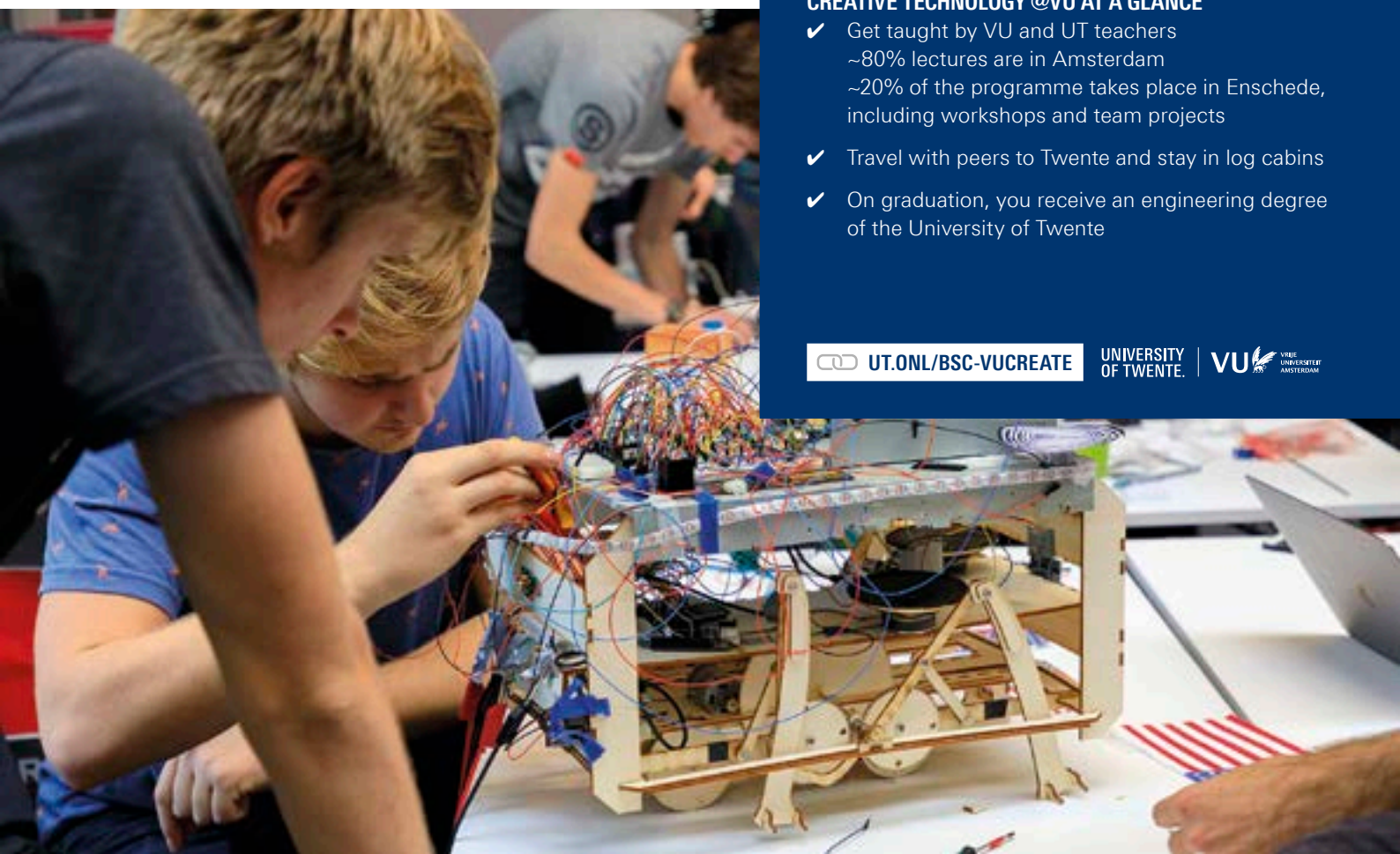
## CREATIVE TECHNOLOGY @VU AT A GLANCE

- ✓ Get taught by VU and UT teachers  
~80% lectures are in Amsterdam  
~20% of the programme takes place in Enschede, including workshops and team projects
- ✓ Travel with peers to Twente and stay in log cabins
- ✓ On graduation, you receive an engineering degree of the University of Twente

 [UT.ONL/BSC-VUCRATE](https://ut.onl/bsc-vucrate)

UNIVERSITY  
OF TWENTE.

 VRIJE  
UNIVERSITEIT  
AMSTERDAM





# ELECTRICAL ENGINEERING

The Bachelor's in **Electrical Engineering** teaches you to come up with high-tech solutions to practical problems: what do you need to be able to move a robot arm very quickly and to the nanometre? How do you measure a nano G in order to be able to measure gravitational waves, or building movements? How could you build a chip that works ten times as fast as current chips, with ten times less power?

## WHY ELECTRICAL ENGINEERING?

As an electrical engineer, you will be equipped to devise and develop ground-breaking solutions that are faster, more accurate and more sustainable than any known alternatives. Rather than replicating things, you will create applications that did not exist before: your job will be to help shape the world of the future. In this programme, you get to spend around 25% of each module on practical skills in a team project and/or practical assignment. The problems you will tackle are relevant and your research will contribute to the next steps in your research area.

## BENEFIT FROM OUR PERSONAL APPROACH

Electrical Engineering is a small-scale programme with plenty of room for personal attention and development. You will learn to work together with students and professors from other disciplines and cultures, while being surrounded by ambitious students and lecturers who enjoy thinking out of the box.

## AFTER YOUR BACHELOR'S

With your bachelor's degree, you can further specialise by completing a master's at the University of Twente. Some students immediately join the job market, or start their own business. No less than 99% of our master's graduates find a job within a month of completing the Electrical Engineering programme. In 20 years' time, you may have developed the successor to the drone, or you might be working on faster and better pattern recognition for medical or safety applications. More computing power in every telephone chip than there is in today's supercomputers? You could make it happen!

## POPULAR MASTER'S

Electrical Engineering • Embedded Systems • Robotics • Nanotechnology  
• Sustainable Energy Technology • Interaction Technology

### ADMISSION REQUIREMENTS FOR INTERNATIONAL STUDENTS

- » CERTIFICATE EQUIVALENT TO DUTCH VWO (E.G. BRITISH A-LEVELS, INTERNATIONAL BACCALAUREATE)
- » ENGLISH: FOR THE LEVEL OF ENGLISH THE UT CHANGED THE SUB SCORES. THIS MIGHT BE INDICATED AND IS ALSO APPLICABLE FOR OTHER PROGRAMMES.
- » MATHEMATICS, PHYSICS

ENGLISH-TAUGHT



**ANAND NATESHAN**

”  
**AT ELECTRICAL ENGINEERING,  
YOU LEARN HOW TO TACKLE  
COMPLEX REAL-WORLD  
PROBLEMS BY PUTTING  
KNOWLEDGE INTO PRACTICE.**  
”

# HEALTH SCIENCES

The goal of the Dutch government is to improve the quality, accessibility, and feasibility of healthcare. The expectation is that technology can make an important contribution to these goals. During the Dutch-taught Bachelor's in **Health Sciences**, you will learn to assess the added value of a technology from the point of view of the patient, healthcare provider, and insurer. Questions you will be working on are: How can an app help reduce the number of doctor visits for a diabetic? How do we know whether a new treatment method is better than the old one? How can we use big data to improve the organisation of a hospital?

## WHY HEALTH SCIENCES?

During the Bachelor's in Health Sciences, you will gain insight into the quality of care for individual patients, the (re)design of organisational processes, the effects of policy on national care, and the role that technology can play in improving care. You will also become familiar with the concepts of health and disease, healthcare economics, and healthcare research.

## ENJOY A PERSONALISED APPROACH

Much of your training will take place at our Technical Medical Centre, a leading international research and innovation centre where various parties (research, clinic and industry) bring their knowledge together to devise, develop and test healthcare improvements and innovations. These innovations will be discussed in education right away. Within a small-scale and informal educational sphere, we help you grow both professionally and personally. You will learn to manage projects, cooperate, communicate, present, reflect, and give and receive feedback.

## AFTER YOUR BACHELOR'S

With this degree you can immediately join the job market, or you can further specialise by doing a master's. You will be directly admissible to our English-taught Master's in Health Sciences, in which you will gain in-depth expertise in e-health, management or policy. After your bachelor's or master's, you will have good job opportunities at hospitals, insurance providers, home-care institutions, consultancy firms, medical companies and with the government, among others.

## POPULAR MASTER'S

Health Sciences

### ADMISSION REQUIREMENTS FOR INTERNATIONAL STUDENTS

- » CERTIFICATE EQUIVALENT TO DUTCH VWO (E.G. BRITISH A-LEVELS, INTERNATIONAL BACCALAUREATE)
- » DUTCH (STAATSEXAMEN NT2-LL, CEFR LEVEL B2-C1)

### DUTCH-TAUGHT



**MANETTE BLANKENDAAL**

”

**YOU LOOK AT HEALTHCARE FROM ALL KINDS OF ANGLES, I PERSONALLY REALLY LIKE THE FACT THAT YOU LEARN TO APPLY TECHNOLOGY IN HEALTHCARE**

”



# INDUSTRIAL DESIGN ENGINEERING

Will you design the consumer products of the future? Products that don't just look good, but are also geared to the needs of end users, the production process, packaging requirements and recyclability? In the Bachelor's in **Industrial Design Engineering** you learn to design or improve products with technical insight, creativity and a keen sense of consumer behaviour.

## WHY INDUSTRIAL DESIGN ENGINEERING?

This engineering bachelor's prepares you for all aspects related to designing a good product. You get a firm grip on the entire design process, from developing ideas to market introduction. This enables you to become a spider in the web at a variety of companies, such as manufacturers of consumer products, design agencies, consultancy companies or (semi) government bodies.

## YOUR DESIGN IN STORES?

As well as gaining academic knowledge, you work on realistic challenges, often taken directly from industry. Together with your team, you develop a prototype of a product that you present to your client, like IKEA and Arend. Many products made by UT students have actually ended up in stores in this way.

## AFTER YOUR BACHELOR'S

After getting your Bachelor's degree in Industrial Design Engineering, you can further specialise by pursuing a master's degree. Most people who graduate from the Bachelor's in IDE enter our two-year, English-taught Master's in Industrial Design Engineering. This Master's is a perfect follow-up to the Bachelor's.

Some bachelor's graduates join the job market straight away or start their own business. You can enter the job market as an entrepreneurial designer - someone who, literally and figuratively, can shape the future. You feel at home in all facets of the product development process. You are able to anticipate the future and look beyond professional boundaries in all sorts of different positions: from consultant to researcher, and from process monitor to product designer or developer.

## POPULAR MASTER'S

Industrial Design Engineering • Mechanical Engineering

### ADMISSION REQUIREMENTS FOR INTERNATIONAL STUDENTS

- » CERTIFICATE EQUIVALENT TO DUTCH VWO (E.G. BRITISH A-LEVELS, INTERNATIONAL BACCALAUREATE)
- » ENGLISH (CEFR, B2/C1 LEVEL; IELTS 6.0; TOEFL 80 OR CAMBRIDGE CAE)
- » MATHEMATICS, PHYSICS

### ENGLISH-TAUGHT



**TIRSA VAN DER OUW**

”

**THE SUBJECTS VARY FROM MATHEMATICS TO GRAPHIC DESIGN, AND FROM ERGONOMICS TO MARKETING.**

”



# INDUSTRIAL ENGINEERING & MANAGEMENT

The Bachelor's in **Industrial Engineering & Management** will equip you to work on designing, managing and improving business processes. You will learn how to make organisations more efficient and effective, to maximise value and minimise risk, to make organisations more sustainable and to improve their quality and competitive position. Through the use of mathematical models and optimisation techniques, you will be able to systematically analyse strengths and weaknesses. You will also learn how to implement the required changes effectively and to assess the consequences.

## ADMISSION REQUIREMENTS FOR INTERNATIONAL STUDENTS

- » CERTIFICATE EQUIVALENT TO DUTCH VWO (E.G. BRITISH A-LEVELS, INTERNATIONAL BACCALAUREATE)
- » ENGLISH (CEFR, B2/C1 LEVEL; IELTS 6.0, TOEFL 80 OR CAMBRIDGE CAE)
- » MATHEMATICS

## ENGLISH-TAUGHT

## WHY INDUSTRIAL ENGINEERING & MANAGEMENT?

During this programme you will familiarise yourself with both technical and non-technical opportunities and challenges. You will develop a feel for broader societal challenges, such as population ageing, globalisation or climate change. The demand for people who can oversee this level of complexity is increasing and, thanks to our 'High Tech Human Touch' approach, you will become an interdisciplinary problem solver of the future. Industrial Engineering & Management deals with different sectors, from industry and transport to healthcare and finance. During projects, you will work in multidisciplinary teams on current issues experienced by prominent companies in these sectors. Surrounded by ambitious students and staff who like to push boundaries, you will be challenged to constantly develop yourself.

## AFTER YOUR BACHELOR'S

There is always a demand for industrial engineers and managers – people trained to master complex processes, analyse complicated problems and devise effective solutions. Because of your understanding of business processes and your ability to apply your professional, social and entrepreneurial skills to the successful implementation of solutions, you are likely to receive job offers before you have even finished the programme.

## POPULAR MASTER'S

Industrial Engineering & Management • Business Administration  
• Business Information Technology • Applied Mathematics



**FEMKE GEERTS**

”

**THE COMBINATION OF TECHNOLOGY AND BUSINESS SEALED THE DEAL FOR ME.**

”



# INTERNATIONAL BUSINESS ADMINISTRATION

How do you make businesses more innovative, sustainable and successful? Entrepreneurship is more than a buzzword or a job: it is a mindset. As an **International Business Administration** student, you will grasp the deeper meanings behind concepts such as entrepreneurship and innovation. You will learn how to analyse organisations, organisational problems and processes and, of course, in our projects you will learn how to collaborate with, and design solutions for existing companies.

## WHY INTERNATIONAL BUSINESS ADMINISTRATION?

The Bachelor's in International Business Administration will help you to develop a holistic, inclusive view on doing business – to prepare you for a leading role in today's constantly changing business world. Your exposure to the leading research of the Hightech Business & Entrepreneurship group, including one of the first academic centres for entrepreneurship in the Netherlands, is just one example of this.

Internationalisation is a part of our DNA. You will study on a campus with a culturally diverse group of students and teachers from all over the world. You will also get to spend a semester abroad and perform research tasks for companies in multicultural and multidisciplinary teams.

*This programme is available as a joint degree with the University of Münster.  
More info is available on the website.*

## AFTER YOUR BACHELOR'S

This bachelor's degree will provide you with a solid academic foundation and help you develop valuable entrepreneurial understanding and skills. It is also an excellent springboard to a management role in an international setting. You will be skilled in carrying out research, and – under supervision at first – creating and implementing solutions that comply with strict requirements. You can start working at a large enterprise or a multinational, find your place in an SME, or even start your own business. You might also choose to further specialise with one of the compatible master programmes.

## POPULAR MASTER'S

Business Administration • Communication Science • Philosophy of Science, Technology & Society

### ADMISSION REQUIREMENTS FOR INTERNATIONAL STUDENTS

- » CERTIFICATE EQUIVALENT TO DUTCH VWO (E.G. BRITISH A-LEVELS, INTERNATIONAL BACCALAUREATE)
- » ENGLISH (CEFR, B2/C1 LEVEL; IELTS 6.0, TOEFL 80 OR CAMBRIDGE CAE)
- » MATHEMATICS

### ENGLISH-TAUGHT



**DARIA LUNGU**

”

**IBA GIVES YOU A TASTE OF MANY ASPECTS OF THE BUSINESS FIELD, SO YOU CAN DISCOVER YOUR TRUE PASSION. WHILE STUDYING AT UT, YOU ARE GIVEN THE OPPORTUNITY TO PUT INTO PRACTICE EVERYTHING THAT YOU LEARN – A HUGE BENEFIT FOR YOUR FUTURE CAREER.**

”



# MANAGEMENT, SOCIETY & TECHNOLOGY

Do you want solve societal challenges in which technology plays a key role? For example, migration, the responsible use of identification techniques, or the use of Big Data and smart wearables for public health? Now you can! Our Bachelor's in **Management Society & Technology** (Public Administration 3.0) will equip you with the skills needed to develop innovative improvements for a society that is increasingly intertwined with technology.

## WHY MANAGEMENT, SOCIETY & TECHNOLOGY?

This programme will give an in-depth understanding of the consequences of rapid technological changes upon our society. What kinds of decisions are made in the public arenas to address these rapid changes? How do societal actors, citizen, governments and businesses work together to solve these challenges? You will explore areas such as cyber-crime, learning what technology hackers use and how we can protect ourselves against them. You will also look at migration flows, one of the largest societal challenges of our time, and learn all about the digital government. And that's is only the beginning...

As a Management, Society & Technology graduate, you will lead the way in understanding the impact of technology on our society. You will be a 'societal engineer', equipped to design innovative solutions to complex challenges, for example, in the field of public health, security, economy and sustainability. Your knowledge and skills will enable you to positively impact society as a whole.

## AFTER YOUR BACHELOR'S

Choosing this bachelor's is a choice for in-depth professional expertise and intensive personal growth. You will learn to work together with experts from other fields of study, while being surrounded by ambitious students and staff who like to push boundaries. With this bachelor's degree in your pocket, you can set to work as a mover and shaker in public affairs on a local, national or international level.

## POPULAR MASTER'S

Public Administration • European Studies • Comparative Public Governance  
Double Degree • Communication Science • Business Administration •  
Environmental & Energy Management

### ADMISSION REQUIREMENTS FOR INTERNATIONAL STUDENTS

- » CERTIFICATE EQUIVALENT TO DUTCH VWO (E.G. BRITISH A-LEVELS, INTERNATIONAL BACCALAUREATE)
- » ENGLISH (CEFR, B2/C1 LEVEL; IELTS 6.0, TOEFL 80 OR CAMBRIDGE CAE)
- » MATHEMATICS

### ENGLISH-TAUGHT



**MEREL ENSINK**

”

**MS&T OFFERS A GOOD BALANCE BETWEEN SOCIETY AND TECHNOLOGY, WHICH GIVES ME THE BEST OF BOTH WORLDS.**

**BEING ABLE TO SOLVE SOCIETAL PROBLEMS WHILE USING TECHNOLOGY ALLOWS ME TO BE PREPARED FOR THE FUTURE!**

”



# MECHANICAL ENGINEERING (UT)

Do you want to become an expert in inventing, designing, improving and maintaining all kinds of devices, machines, constructions and processes? From a roller coaster, an airplane, or a future energy installation to an innovative hearing aid, or a robotic hand? Are you looking for a university that combines mechanical engineering theory with realistic team projects? If you are, our English-taught Bachelor's in **Mechanical Engineering** is the right choice for you.

## WHY MECHANICAL ENGINEERING?

In this programme you will acquire all the scientific theory and skills you would expect from a bachelor's, while we are also committed to practical application and to developing your versatility and resourcefulness. For example, in every module, you and your project team will tackle a real-life challenge. Our TIME programme (Twente Introduction to Mechanical Engineering) will help you transition quickly from secondary school to university. In the very first week you will gear up from mathematics and physics to mechanical engineering, familiarising yourself with systematic problem-solving. We offer intensive personal coaching and guidance. This will also help you learn to work with experts in other disciplines; your skills in interdisciplinary collaboration will give you an edge on the job market. Another asset is our international profile: you will be studying with students and staff from many countries and engaging in an internationally oriented curriculum.

## AFTER YOUR BACHELOR'S

Demand for highly educated mechanical engineers is increasing both in the Netherlands and abroad. Especially if you complete a master's, you will be a respected professional with excellent career opportunities. Many graduates quickly find jobs in leadership positions, for example, as a technical specialist or team leader. You may work in production and development in the machine or equipment building industry, in the automotive, aircraft, chemical or electro-technical industry, at a research institute or university, with an engineering firm, or as a healthcare engineer.

## POPULAR MASTER'S

Mechanical Engineering • Robotics • Sustainable Energy Technology

### ADMISSION REQUIREMENTS FOR INTERNATIONAL STUDENTS

- » CERTIFICATE EQUIVALENT TO DUTCH VWO (E.G. BRITISH A-LEVELS, INTERNATIONAL BACCALAUREATE)
- » ENGLISH (CEFR, B2/C1 LEVEL; IELTS 6.0; TOEFL 80 OR CAMBRIDGE CAE)
- » MATHEMATICS, PHYSICS
- » PARTICIPATION IN ONE OF OUR MATCHING EVENTS (CHECK OUR WEBSITE FOR MORE INFORMATION)

### ENGLISH-TAUGHT



**SIEM BUSE**

”  
**MECHANICAL ENGINEERING PROVIDES ME WITH A BROAD, TECHNICAL FOUNDATION AND OUTSTANDING CAREER PERSPECTIVES.**

”

# MECHANICAL ENGINEERING IN AMSTERDAM

Do you want to study in Amsterdam and still have access to all the technological knowledge and high-tech labs the University of Twente (UT) has to offer? That's possible! You can study **Mechanical Engineering in Amsterdam**. The UT offers this bachelor's degree together with the Vrije Universiteit Amsterdam (VU).

## WHY CHOOSE MECHANICAL ENGINEERING IN AMSTERDAM?

During the Mechanical Engineering programme you will learn all about designing, building and improving all kinds of machines, constructions, processes and techniques. This English-taught degree in Amsterdam is small-scale, which means you'll receive plenty of individual attention and guidance. You'll also quickly get to know your fellow students as you work together and frequently travel together between our two universities. The international nature of the programme, with students and staff from various countries, will give you a step up on the job market.

## SOCIETAL APPLICATION IS CENTRAL

You will learn to apply in-depth theory to real-life situations, developing smart, high-tech solutions for all kinds of fields. Working in project teams, you'll cover many different topics, such as Smart Manufacturing, Sustainable Energy Transition, Maintenance and Resilience, Technology for Healthcare and Thermal & Fluid Engineering.

## AFTER THE BACHELOR'S PROGRAMME

Demand for highly trained mechanical engineers on the international job market is high. Most students choose to continue with a Master's programme after their Bachelor's degree. You could also go to work right after you graduate. With this Bachelor's degree, you will have the analytical skills, technical knowledge and creativity to make an impact in society. After the Master's degree, many graduates end up in leadership positions. For example, you could work for the production or development department of a machine or equipment construction company, in the car or aircraft industry, in the chemical or electrical industry, at a research institute or university, with an engineering firm, or even as a care engineer in healthcare.

## MOST POPULAR MASTER'S PROGRAMMES

Mechanical Engineering • Robotics • Sustainable Energy Technology

## MECHANICAL ENGINEERING UT-VU AT A GLANCE

- ✓ For students who have completed pre-university secondary education and want to study Mechanical Engineering in Amsterdam
- ✓ 80% of lectures are in Amsterdam
- ✓ 20% of the programme takes place in Enschede, including workshops and team projects
- ✓ On graduation, you receive a UT degree

### ADMISSION REQUIREMENTS FOR INTERNATIONAL STUDENTS

- » CERTIFICATE EQUIVALENT TO DUTCH VWO (E.G. BRITISH A-LEVELS, INTERNATIONAL BACCALAUREATE)
- » ENGLISH (CEFR, B2/C1 LEVEL; IELTS 6.0; TOEFL 80 OR CAMBRIDGE CAE)
- » MATHEMATICS, PHYSICS
- » PARTICIPATION IN ONE OF OUR MATCHING EVENTS (CHECK OUR WEBSITE FOR MORE INFORMATION)

### ENGLISH-TAUGHT



TARIK YURT

”  
**AS A MECHANICAL ENGINEERING STUDENT, I AM LEARNING ABOUT THE TECHNOLOGY THAT KEEPS OUR SOCIETY RUNNING.**

”







# PSYCHOLOGY

Do you want to be a psychologist who helps others to be positive, balanced and resilient in life? Would you like to use your psychological expertise to design solutions for challenges in the healthcare sector, business, education, or anti-terrorism? The Bachelor's in **Psychology** will equip you to be a future-oriented psychologist who can effectively respond to the possibilities and risks of new technologies.

## WHY PSYCHOLOGY?

The University of Twente is the only university at which you can study psychology with the added dimension of a strong focus on technology. As a Psychology student at UT, you will gain unique knowledge of the different ways in which technology, behaviour and social processes influence each other. You will have an eye for smart tech tools that you can use – or can have developed – in your work as a researcher or care provider, for example, a health app, or a Virtual Reality game.

Whether you set up your own psychology practice or become a pioneer in business, education or government, as a psychologist of the future you will deal with people and organisations that operate across geographical and cultural boundaries. UT offers you a strongly internationalising environment with many international students and staff members as well as highly multidisciplinary projects – all of which will help you develop a unique view of your field.

## AFTER YOUR BACHELOR'S

Your adeptness for applying profound psychological knowledge to practical issues, and for designing realistic solutions, will open many unexpected doors for you on the job market. With your unique knowledge of the different ways in which technology, behaviour, and social processes influence each other, you will be able to offer a fresh, valuable approach to whatever work you end up doing.

## POPULAR MASTER'S

Psychology • Educational Science & Technology • Business Administration • Communication Science

### THIS PROGRAMME HAS A NUMERUS FIXUS

#### ADMISSION REQUIREMENTS FOR INTERNATIONAL STUDENTS

- » CERTIFICATE EQUIVALENT TO DUTCH VWO (E.G. BRITISH A-LEVELS, INTERNATIONAL BACCALAUREATE)
- » ENGLISH (CEFR, B2/C1 LEVEL; IELTS 6.0, TOEFL 80 OR CAMBRIDGE CAE)
- » MATHEMATICS

#### ENGLISH-TAUGHT



**AIKO UNTERWEGER**

”  
**THIS PROGRAMME PROVIDES A BRIDGE TO TECHNOLOGY. THIS VERY CONNECTION OF PSYCHOLOGY AND TECHNOLOGY IS STRONGER THAN EVER AND THE UNDERSTANDING OF THIS CONNECTION DETERMINES HOW WE SHAPE THE FUTURE.**

”



# TECHNICAL COMPUTER SCIENCE

Are you fascinated by computers and computer science? In addition to programming, do you want to gain expertise in other essential disciplines, such as electrical engineering or business information technology? Do you see yourself becoming a technical computer scientist committed to making a difference in a sector of your interest, for example, healthcare, banking, or the environment? Then our Bachelor's in **Technical Computer Science** is the right choice for you.

## WHY TECHNICAL COMPUTER SCIENCE?

Technical Computer Science combines in-depth computer science with a broad angle on technology and engineering. You will have a unique understanding of the devices, services and processes that people and organisations need to exchange, process and store information. You will study a lot of mathematics and gain in-depth knowledge of programming, software systems, computer networks, algorithms, computer hardware, and human-machine interaction. You will also immerse yourself in aspects such as parallelism, information and data, complexity and security. In the research you carry out and the challenging team projects you engage in, you will learn to work with experts from other disciplines, from business information technologists to psychologists.

## PROFESSIONALISE IN AN INTERNATIONAL ENVIRONMENT

Technical Computer Science is a field that increasingly transcends the boundaries of countries, organisations, cultures and disciplines. Therefore, we pay attention to intercultural skills and help you if you want to study abroad. We offer an informal setting with plenty of individual support and opportunities to grow, for example, as a student assistant. And if you have enough talent and ambition, you can combine this programme with the Bachelor's in Applied Mathematics. In short, there is no better place than here to start your journey.

## AFTER YOUR BACHELOR'S

After the bachelor's, the vast majority of students specialises further by following a master's programme. Most then have a job within three months of graduation. As an expert in an emerging field of science for which demand is rising, you will be able to find a job in a wide array of sectors. For example, you can work in the financial or transport sector, the leisure industry, the energy sector, for an IT company or consultancy, at a university or research institute, or in the medical world.

## POPULAR MASTER'S

Computer Science • Interaction Technology • Business Information Technology  
• Embedded Systems

### ADMISSION REQUIREMENTS FOR INTERNATIONAL STUDENTS

- » CERTIFICATE EQUIVALENT TO DUTCH VWO (E.G. BRITISH A-LEVELS, INTERNATIONAL BACCALAUREATE)
- » ENGLISH CEFR, B2/C1 LEVEL; IELTS 6.0, TOEFL 80 OR CAMBRIDGE CAE
- » MATHEMATICS

### ENGLISH-TAUGHT



**ROSAN MAAS**

”  
**STUDYING TECHNICAL  
COMPUTER SCIENCE IS A  
FUN WAY TO LEARN PROBLEM-  
SOLVING AND MANY OTHER  
USEFUL SKILLS THROUGH THE  
MEANS OF CODE.**

”

# TECHNICAL MEDICINE

Are you looking for an academic programme that is taught in Dutch, in which you can combine your fascination for technology and the human body? Can you imagine merging medicine and engineering in order to help your patients? Then this unique Dutch-taught Bachelor's in **Technical Medicine** is for you. As a 'technical physician', you will be equipped to play a vital role in the 21st century medical world.

## WHY TECHNICAL MEDICINE?

The Bachelor's in Technical Medicine is a medical science programme that educates you to become a technical physician. You will become familiar with anatomy, physiology, and pathology, and due to an additional focus on mathematics and physics, you will also learn about the effects of e.g. light, sound and radiation. Technology is playing an increasingly important role in the world of medicine. You will be trained to improve healthcare diagnostics and therapies through the use of innovative technology: you will become a technical-medical specialist who wields expertise in medicine and engineering. By applying these fields of knowledge to your patients, you will be able to improve the diagnosis and treatment process and add value to regular healthcare. After completing your Master's in Technical Medicine, you will be qualified in the Netherlands to diagnose and treat your patients independently, just like a general practitioner or a dentist would. What makes your expertise unique is your ability to apply medical technology.

## BECOME A SKILLED TECHNICAL-MEDICAL PROFESSIONAL

Throughout the programme, we focus strongly on professional behaviour. Your internship and the many simulations you will be involved in at our modern Technical Medical Centre will provide you with invaluable knowledge and practical experience. Through this challenging programme, you will become a skilled technical-medical professional.

## AFTER YOUR BACHELOR'S

As a graduate in Technical Medicine, you will have excellent career perspectives. Many of our graduates choose to follow a Master's in Technical Medicine. They generally find jobs at high level within three months after receiving their degree. Many start their careers at academic or top clinical hospitals, where they diagnose and treat patients of their own, often as members of a specialised, multidisciplinary team. Careers at medical companies or universities are also frequent. After completing your bachelor's degree, you can also opt for another master's at the University of Twente, such as Biomedical Engineering or Health Sciences.

## POPULAR MASTER'S

Technical Medicine • Biomedical Engineering • Health Sciences

### ADMISSION REQUIREMENTS FOR INTERNATIONAL STUDENTS

PLEASE NOTE THAT THIS PROGRAMME IS TAUGHT IN DUTCH AND YOU'LL NEED **FLUENCY IN DUTCH** FOR APPROPRIATE PATIENT COMMUNICATION. YOU'LL BE TESTED ON YOUR LANGUAGE SKILLS.

### DUTCH-TAUGHT

THIS PROGRAMME HAS A **NUMERUS FIXUS** OF 150 PLACES

APPLICATION DEADLINE: 15 JANUARY



**SIL FUCHS**

”

**I AM HOPING TO BE ABLE TO IMPROVE PATIENT CARE IN THE FIELD OF DIAGNOSTICS AND THERAPIES. THE COMBINATION OF MEDICAL TECHNOLOGY AND KNOWLEDGE OF THE HUMAN BODY WILL PROVIDE ME WITH THE TOOLS TO APPLY THIS UNIQUE EXPERTISE IN THE WORLD OF MEDICINE!**

”



”

**UNIVERSITY COLLEGE TWENTE PROVIDES A TRIANGULAR EDUCATION: NOT ONLY DOES IT COMBINE THE THREE ACADEMIC DOMAINS, IT ALSO GIVES YOU A BROAD BASE WITH A CLEAR SPECIALISATION.**

- ROBIN



## UNIVERSITY COLLEGE TWENTE

University College Twente (UCT) is the international Honours college of the University of Twente. Our English-taught **Technology, Liberal Arts & Sciences**, ATLAS for short, is aimed at curious, versatile students that are eager to make a difference. We offer the only bachelor's that combines technology and engineering with liberal arts and social sciences. UCT will equip you to tackle challenges that require both technological and social perspectives. UCT students don't choose: they combine.

### SHAPING YOUR OWN PROGRAMME

With our unique student-driven learning model, you get to determine your own direction. At the start of each semester, with the support of your academic advisor, you write your Personal Development Plan. At the end, you draw up a Self-Evaluation Report. Our panel of lecturers assesses this report before admitting you to the next semester. You learn to work in teams and take on responsibility, as you join other students in projects, solve real-world problems and learn as you go. In three years, you earn an BSc degree— your ticket to the professional world or to a master's of your choice almost anywhere in the world.

## THEMES, PROJECTS AND STUDYING ABROAD

The ATLAS curriculum will give you a solid foundation in mathematics, science, engineering and social sciences. The first two years centre on semester themes and projects to provide you with the structure you need for planning and developing your learning. In the final year, you get to study abroad and work on your graduation project. The diversity of projects that emerge every year are proof of the broad range of directions this programme can open up for you. Having started off in the same programme as your fellow students, the path you choose as you move forward defines who you will be by the end of your time here at University College Twente.

## LIVING AND LEARNING TOGETHER IN A FUN COMMUNITY

University College Twente is a residential college. All students live and work together on campus, at our brand new building Drienerburgh. Your schedule is flexible and intensive. You interact with teachers and staff and alternately engage in work, sports, eating and relaxing with other students. This makes University College Twente an exceptionally engaging and motivating environment. A true learning community.

## POPULAR MASTER'S

Applied Mathematics • Applied Physics • Biomedical Engineering • Business Administration • Business Information Technology • Civil Engineering & Management • Computer Science • Electrical Engineering • Embedded Systems • Environmental & Energy Management • Geo-Information Science & Earth Observation • Industrial Design Engineering • Mechanical Engineering • Nanotechnology • Education of Social Sciences & Humanities • Spatial Engineering • Sustainable Energy Technology • Systems & Control • Water Technology and many other options.

 [UT.ONL/BSC-ATLAS](https://ut.nl/bsc-atlas)

### ADMISSION REQUIREMENTS FOR INTERNATIONAL STUDENTS

- » A HIGH SCHOOL DIPLOMA EQUIVALENT TO THE DUTCH VWO (SUCH AS BRITISH A-LEVELS OR THE INTERNATIONAL BACCALAUREATE)
- » A STRONG BACKGROUND IN ENGLISH, MATHEMATICS AND PHYSICS
- » FOR NON-NATIVE ENGLISH SPEAKERS: PROOF OF PROFICIENCY IN ENGLISH (IELTS 7.0, TOEFL 100 IBT, CAMBRIDGE CPE OR CAMBRIDGE CAE)

A SELECTIVE PROGRAMME WHICH REQUIRES A MOTIVATION LETTER, CV, AND INTERVIEWS

ENGLISH-TAUGHT



**POLA ŁABĘDZKA**

”

When choosing my university, I was looking for one major characteristic of the programme — interdisciplinarity. I have always wanted to be surrounded by people who had different knowledge and experiences than I have had and I definitely found it at University College Twente. The small but very strong community of diverse people makes the university experience one of a kind. People here are from many places in the world, have different past educational and personal backgrounds but the thing we have in common is that we care about the world and other people. That makes the community extremely supportive and strong. Moreover, the possibility to follow passions in various ways by choosing our own courses makes the academic experience fit every person individually. ATLAS courses itself are also pretty unique. There are no traditional exams which takes off a lot of pressure for some people, including me. The courses are usually pursued in very small groups with a great number of discussions and group assignments which only strengthens the individual approach. This amount of freedom when pursuing the degree definitely teaches all of us some self-discipline, time organisation and planning. And these are the skills that we gain really fast at UCT and that are crucial for our future career as well as personal lives.



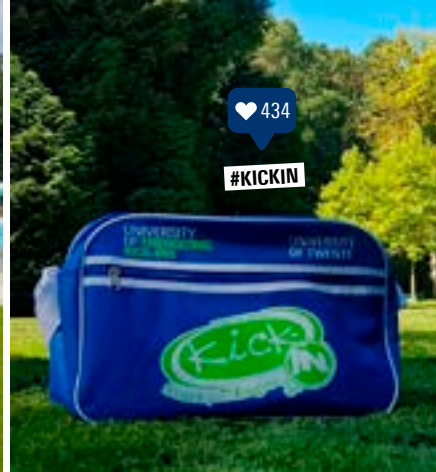




## DID YOU KNOW THAT THE UNIVERSITY OF TWENTE...

- ✓ Is set on a beautiful campus, the only **PARK-LIKE CAMPUS** in the Netherlands?
- ✓ Is one of fourteen Dutch universities recognised and **FUNDED BY THE GOVERNMENT** of the Netherlands?
- ✓ Provides an internet connection of 1 gigabit per second and a **CAMPUS-WIDE WIFI NETWORK?**
- ✓ Lies in the east of the Netherlands, close to the German border, and is in the **HEART OF EUROPE?**
- ✓ Is **HOME TO MESA+**, one of the world's largest nanotechnology research institutes?
- ✓ Is the **MOST ENTREPRENEURIAL UNIVERSITY** in the Netherlands, according to an independent ranking?
- ✓ Is a founding member of the European consortium of **INNOVATIVE UNIVERSITIES** ([www.eciu.org](http://www.eciu.org))?
- ✓ Has **STRONG TIES WITH UNIVERSITIES** in Germany, Brazil, Mexico, Australia, China, Indonesia, India, and other countries?
- ✓ Is the finish line of the biggest relay race in the world, the '**BATAVIERENRACE**', which is followed annually by Europe's largest all-night student party?





FOLLOW US ON SOCIAL MEDIA!

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- @UTWENTE
- @UNIVERSITYOFTWENTE





TAKE A  
VIRTUAL TOUR,  
DOWNLOAD OUR  
CAMPUS APP



## PHOTOGRAPHY

Eric Brinkhorst, Rikkert Harink, Gijs van Ouwkerk,  
Annabel Jeuring, Enschede Promotie

## DISCLAIMER

This brochure is a publication of the Marketing department of the University of Twente. We reserve the right to the contents of this brochure. Our education is in constant development; it may be that we renew the content of a programme in the course of the year or that certain arrangements described in this brochure are changed. For the most up-to-date information go to [utwente.nl/en/bachelor](https://utwente.nl/en/bachelor)

# GET IN TOUCH!

There are many opportunities to get to know the University of Twente and the bachelor's that appeals to you. Visit our (virtual) events or simply start up a chat.

## EVENTS

### ONLINE OPEN DAY

Experience our university from the comfort of your home!

**15 NOVEMBER 2023**

### FAIRS IN YOUR COUNTRY

Come meet our representatives at a fair near you.

[UT.ONL/FAIRS](https://utwente.nl/fairs)

### EXPERIENCE STUDENT LIFE

#### SIGN UP AS A 'STUDENT FOR A DAY'

Do you want to experience first-hand what it's like to study at UT? Share a typical day in the life of a UT student with someone who is enrolled in a programme you are interested in! Choose your own date on weekdays between mid-October and May,

#### SIGN UP FOR FREE EVENTS!

[UT.ONL/CALENDAR](https://utwente.nl/calendar)

## CONTACT

### PLAN AN ONLINE MEET-UP WITH A STUDENT

[UTWENTE.NL/SKYPE](https://utwente.nl/skype)

### WHATSAPP

+31 (0)6 51 84 26 33, *from 9 AM to 5 PM (CET)*

### CALL

+31 (0)53 489 54 89, *from 9 AM to 5 PM (CET)*

### E-MAIL

[study@utwente.nl](mailto:study@utwente.nl)

### CONTACT US ON SOCIAL MEDIA

JOIN THE CONVERSATION AND STAY UP-TO-DATE VIA OUR CORPORATE FACEBOOK PAGE: [@UTWENTE](https://www.facebook.com/UTWENTE)

Go to 'Prospective students' and check out our student ambassadors from all over the world.

For students from China, we have dedicated Weibo and WeChat accounts: [@UTWENTE](https://www.weibo.com/UTWENTE)

Indonesian students can also make contact via our LINE account: [@UTWENTE](https://line.me/ti/gp/UTWENTE)

[UT.ONL/BSC-CONTACT](https://utwente.nl/bsc-contact)



**NO 1**  
LEADING THE WAY IN ENTREPRENEURSHIP

AND SOCIETAL IMPACT

**11,997**  
STUDENTS

OF WHICH **34%** ARE INTERNATIONAL

**144**  
STUDY AND STUDENT ASSOCIATIONS



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The Netherlands

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@universityoftwente

