

BACHELOR OF SCIENCE PROGRAMMES

ACADEMIC YEAR 2019 - 2020

UNIVERSITY OF TWENTE.





CAMPUS OVERVIEW

📍 ENSCHEDE, THE NETHERLANDS





- | | | | |
|----|---|----|---------------------------------|
| 01 | SPIEGEL | 12 | DE VESTE |
| 02 | O&O SQUARE (WAAIER, RAVELIJN,
ZILVERLING, CITADEL) | 13 | CHILD CARE CENTRE |
| 03 | CARRÉ | 14 | LOG CABINS |
| 04 | THE GALLERY | 15 | STUDENT HOUSING |
| 05 | HORST | 16 | HOUSING FOR EMPLOYEES |
| 06 | CUBICUS | 17 | STUDENT HOUSING |
| 07 | VRIJHOF | 18 | SOCCER FIELD |
| 08 | BASTILLE | 19 | BEACH VOLLEYBALL/BASKETBALL |
| 09 | SKY (STUDENT HOUSING) | 20 | BASEBALL FIELD |
| 10 | SPORTS CENTRE | 21 | OUTDOOR POOL |
| 11 | BOX (STUDENT HOUSING) | 22 | SOCCER FIELD WITH RUNNING TRACK |

UNIVERSITY OF TWENTE ACTIVITY CALENDAR

DROP IN AND EXPERIENCE OUR UNIVERSITY YOURSELF

INFORMATION ACTIVITIES

SEE MORE AT [UTWENTE.NL/GO/STUDY-ORIENTATION](https://utwente.nl/go/study-orientation)

OPEN DAYS

16 - 17 NOVEMBER 2018 AND 15 - 16 MARCH 2019

- » For students in the final two years of secondary school
- » Find out about our programmes, our campus, career opportunities and much more
- » Check out our Online Open Day: utwente.nl/ood
- » More information: utwente.nl/en/opendays

STUDENT FOR A DAY

CHOOSE YOUR OWN DATE ON WORKDAYS BETWEEN
MID-OCTOBER AND MAY

- » For students in the final two years of secondary school
- » A full day with a UT student doing the programme you're interested in
- » A tour of the campus
- » An interview with a student counsellor (if you want)
- » More information: utwente.nl/student-for-a-day

PERSONAL CONTACT

Do you have any questions, hesitations, or do you just want more information? Feel free to make use of one of these options:

- » Call, chat or mail our Study Information Centre, more info: utwente.nl/go/contact-en
- » Ask for a personal interview with one of our study advisors, more info: utwente.nl/go/sacc
- » Come meet our representatives at a fair near you. Check our website to know where to find us: utwente.nl/go/fairs

CONTACT US ON SOCIAL MEDIA

Join the conversation and stay up-to-date via our corporate Facebook page: [@UTWENTE](https://www.facebook.com/UTWENTE)

If you are from the Arab World, Brazil, Bulgaria, Germany, Greece, India, Indonesia, Mexico or Romania you may want to check our country-specific Facebook pages:

[@UT.ARABWORLD](https://www.facebook.com/UT.ARABWORLD), [@UT.GERMANY](https://www.facebook.com/UT.GERMANY), [@UT.INDONESIA](https://www.facebook.com/UT.INDONESIA),
[@ESTUDANDONATWENTE](https://www.facebook.com/ESTUDANDONATWENTE), [@UT.GREECE](https://www.facebook.com/UT.GREECE), [@UT.MEXICO](https://www.facebook.com/UT.MEXICO),
[@UT.BULGARIA](https://www.facebook.com/UT.BULGARIA), [@UT.INDIA](https://www.facebook.com/UT.INDIA), [@UT.ROMANIA](https://www.facebook.com/UT.ROMANIA)

For students from China, we have a dedicated WeChat account:
UTWENTE

Indonesian students can also make contact via our LINE account:
@UTWENTE

5 BENEFITS OF STUDYING AT THE UNIVERSITY OF TWENTE:

01

ONE OF THE WORLD'S **TOP RESEARCH** UNIVERSITIES

02

LEADING THE WAY IN **ENTREPRENEURSHIP** AND **SOCIETAL IMPACT**

03

THE ONLY 'PARK-LIKE' CAMPUS IN THE NETHERLANDS: **A SMART LIVING LAB**

04

TWENTE EDUCATION MODEL (TOM) MAKES LEARNING
EFFECTIVE, EXCITING AND FUTURE-PROOF

05

HIGH TECH HUMAN TOUCH: COMBINING TECHNOLOGY, SCIENCE AND
ENGINEERING WITH SOCIAL SCIENCE TO INITIATE CHANGE IN SOCIETY

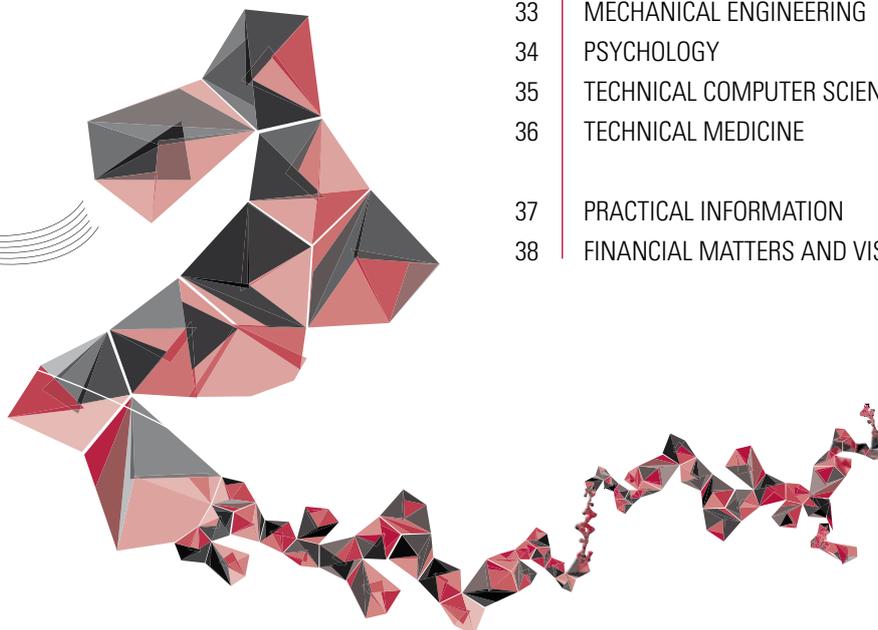
FOLLOW US ON SOCIAL MEDIA!





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ALLOW US TO INTRODUCE OURSELVES...

UNIVERSITY OF TWENTE, ENSCHEDE, THE NETHERLANDS

Are you looking for a Bachelor's programme and a university that will fit you like a glove? Meet the University of Twente and you'll know whether to head for the Netherlands as the next part of your journey into the future. Welcome!

The University of Twente (UT) is different from other international, technical universities. Here are seven reasons why studying at the UT is a smart choice:

HIGH TECH HUMAN TOUCH

At the UT you will work and study on the cutting edge of technology and social sciences, creating solutions that individuals and society need more than ever: High Tech Human Touch.

PEOPLE AND TECHNOLOGY ON THE SAME TEAM

The future of mankind is all about technology. And the future of technology? People! This is why we place equal value on our people focus and our multidisciplinary, application-oriented approach.

ONE OF THE BEST RESEARCH UNIVERSITIES

The UT invariably gets high rankings in the major independent surveys that annually compare universities around the world.

Begin your academic career near the top.

More info: utwente.nl/go/rankings-bsc

MOST ENTREPREUNERIAL UNIVERSITY

We reward typically human qualities, such as creativity, innovation and guts. No wonder more than 1,000 successful startups have been launched here, including Booking.com, Takeaway.com, Demcon.nl and Athom.com.

What are your plans?

A TRULY UNIQUE CAMPUS IN THE NETHERLANDS

Your student years will be unforgettable if you spend them on our magnificent campus: a hypermodern and highly international and intercultural 'smart living lab', where people and technology bring out the best in one another (more info: page 7).

OUR EDUCATION MODEL MAKES LEARNING EFFECTIVE, EXCITING AND FUTURE-PROOF

In order to make you 'future-proof', we offer you innovative modules in which challenging, cross-disciplinary team projects, personal growth and social impact go hand in hand (more info: page 8).

UNIVERSITY COLLEGE TWENTE, THE ULTIMATE MIX OF TECHNOLOGY AND SOCIAL SCIENCES

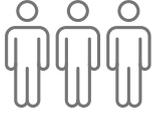
University College Twente, the crown jewel of our Honours tracks, offers an out-of-the-box, multidisciplinary programme of Technology and Liberal Arts & Sciences (ATLAS).

More info: utwente.nl/go/atlas-en

Curious? Read on or visit our website at utwente.nl/bachelor/en



NUMBER OF STUDENTS & STAFF



10,435

NUMBER OF STUDENTS IN 2017



3,074

NUMBER OF STAFF

5,489

BACHELOR'S STUDENTS

1,738

ACADEMIC

398

PRE-MASTER'S STUDENTS

1,336

SUPPORT STAFF

4,010

MASTER'S STUDENTS

63

POST-MASTER'S STUDENTS

2,769

INTERNATIONAL STUDENTS

OUR RESEARCH IMPACTS SOCIETY

Studying at the University of Twente means becoming part of a young, entrepreneurial research university. A place where scientists, lecturers and students join forces in tackling the societal challenges of today and tomorrow. By guiding the digitalization of society in the right direction. By improving and personalizing healthcare technology. By developing smart materials and intelligent manufacturing systems. And all of that with a view to making our rapidly changing world more resilient.

HOW DO WE DO IT?

Our innovative campus is home to first-class research institutes in the fields of nanotechnology, ICT, biomedical engineering and technical medicine, governance & behavioural sciences, engineering, and geo-information sciences and earth observation. Our scientists, lecturers and students are pioneers in fusing technology with social sciences. We call it 'High Tech Human Touch'. This unique, cross-disciplinary approach, combined with excellent education and research, enables us to bring change, progress and renewal in tackling challenges worldwide.

Intrigued? Check utwente.nl/en/research



LIVING IN THE NETHERLANDS & ENSCHEDE

SEEING IT IS LOVING IT: A FRIENDLY, ENTERPRISING CITY IN A SMALL COUNTRY OFFERING GREAT OPPORTUNITIES

Studying in the Netherlands is a great way to develop an open-minded, international outlook. Dutch education is highly interactive, focusing on teamwork, independence and a proactive approach. And being a small country with global ambitions, the Netherlands has always attracted people from many different cultures and countries. This makes it a colourful, multicultural society with plenty of room for living life your way.

As for the city of Enschede, located near the Dutch-German border, it's just a city-hop away from Amsterdam, Berlin, Brussels, Paris, Prague or Madrid: a true gateway to Europe.

COLLEGES AND ACADEMIES

Just like the UT, Enschede is not only friendly, but a city of learning and innovation, too. It's home to Novel-T (a foundation whose mission is to develop an innovation- and entrepreneurship-friendly climate in the Twente region), Saxion University of Applied Sciences, music and pop academies, an international school and an art school – as well as the UT, of course.

ENSCHEDÉ, A VIBRANT STUDENT CITY

The city of Enschede offers bustling weekly markets, great cafés and lively shopping streets. It also boasts well-manicured parks and historical buildings, many of which hide a museum or theatre. But the city owes its real flair to the students living here. Every day, you'll see students biking to their classes, reading on the banks of Rutbeek Lake or just generally enjoying city life.

CAFÉS AND PUBS

Downtown Enschede offers a colourful array of cafés and pubs on the Old Market (Oude Markt), most of which are highly frequented by students – especially on Thursday nights and during the weekend.

HEAR, SEE, ENJOY

At the Nationaal Muziekkwartier you can listen to rock, pop, Dutch folk music and classical music. On top of that, Enschede has nine theatres – including our own open-air theatre – and the Rijksmuseum Twente where you can enjoy a rich collection of fine arts.

THE GREAT OUTDOORS

Enschede is one of the greenest cities in the Netherlands with beautiful parks and outdoor areas.

LIVING: ON-CAMPUS OR IN THE CITY?

Not all UT students live on-campus. You can also choose to live in the city of Enschede. There is no shortage of rooms and housing in Enschede, which means prices are relatively low. The University of Twente helps international students find furnished accommodation on- and off-campus. We always take your personal preferences and needs into account. All rooms are private, while bathroom and kitchen facilities are often shared with other students. The rent for furnished housing varies from € 300 to € 450 per month for on-campus, shared facilities, and € 320 to € 770 per month for off-campus, private facilities. You can register on our online housing platform **Roomspot.nl** to respond to housing offers. Visa students who apply for accommodation, are guaranteed to receive an offer for accommodation.

TIP: be sure to start house-hunting in time!

BENEFITS OF STUDYING IN THE NETHERLANDS

- ✓ Home to over 16.8 million people
- ✓ Globally respected for its open-minded, international perspective
- ✓ Known for interactive education focused on teamwork and independent, proactive thinking
- ✓ Home to world-famous architects (Koolhaas, Mecanoo), engineers (Cornelis Lely, Philips), artists (Rembrandt, Van Gogh) & entertainment stars (Armin van Buuren)
- ✓ A safe country by international standards
- ✓ Well-organized and safe public transport network
- ✓ Most people here speak English

ENSCHEDÉ IN NUMBERS:



>158,000

POPULATION



>30%

PERCENTAGE STUDENTS



>150

NATIONALITIES



25

SPORTS FIELDS & TENNIS COURTS



9

THEATRES



3

CINEMAS

CAMPUS LIFE

A PLACE TO CHASE YOUR DREAMS

One of the University of Twente's crown jewels, without doubt, is our campus: a breath-taking and sustainably managed parkland dotted with state-of-art facilities. A campus with the hustle and bustle of a small metropolis. A dynamic community to live and work in, a place where about 10,000 students and 2,700 staff – representing no less than 100 nationalities – apply the newest knowledge and technologies for creating a better future together. Could it shape your future too?

Discover it yourself with our virtual campus tour at utwente.nl/campus-tour/en

EVERYTHING FROM THE NANO-LAB TO STARBUCKS

The campus covers 146 hectares, or about 200 football fields. Together with the other campus inhabitants, you'll find everything you need here for studying, working and living. From libraries and laboratories to fitness and sports facilities. On campus we have the facilities for almost any sport you can imagine such as baseball, beach volleyball, archery and even muggle quidditch.

Here's a small glimpse of our vast amount of facilities:

- » A high tech simulation lab for Technical Medicine
- » The Virtual Reality Lab
- » The Designlab
- » Super sonic wind tunnels
- » The Netherlands' first robotic ecosystem
- » The RaM lab (Robotics and Mechatronics)
- » Free wifi, ATMs, charging points for bicycles and cars
- » A quiet room, student chaplain and a mosque area
- » A supermarket, an employment agency and more
- » Great cafés and restaurants, like Theatercafé de Vrijhof, Subway and Starbucks Coffee

Eager to see more? Check utwente.nl/go/facilities

JUMPSTART YOUR CAREER

Studying and/or living on the only real university campus in the Netherlands will give your career and adult life a great jumpstart. Together with you we will create the perfect conditions for professional and personal growth aimed at impacting society.

The perfect setting for joining others in pursuing your dreams!

Check utwente.nl/go/life for more details.

 **146**
HECTARE
SURFACE AREA

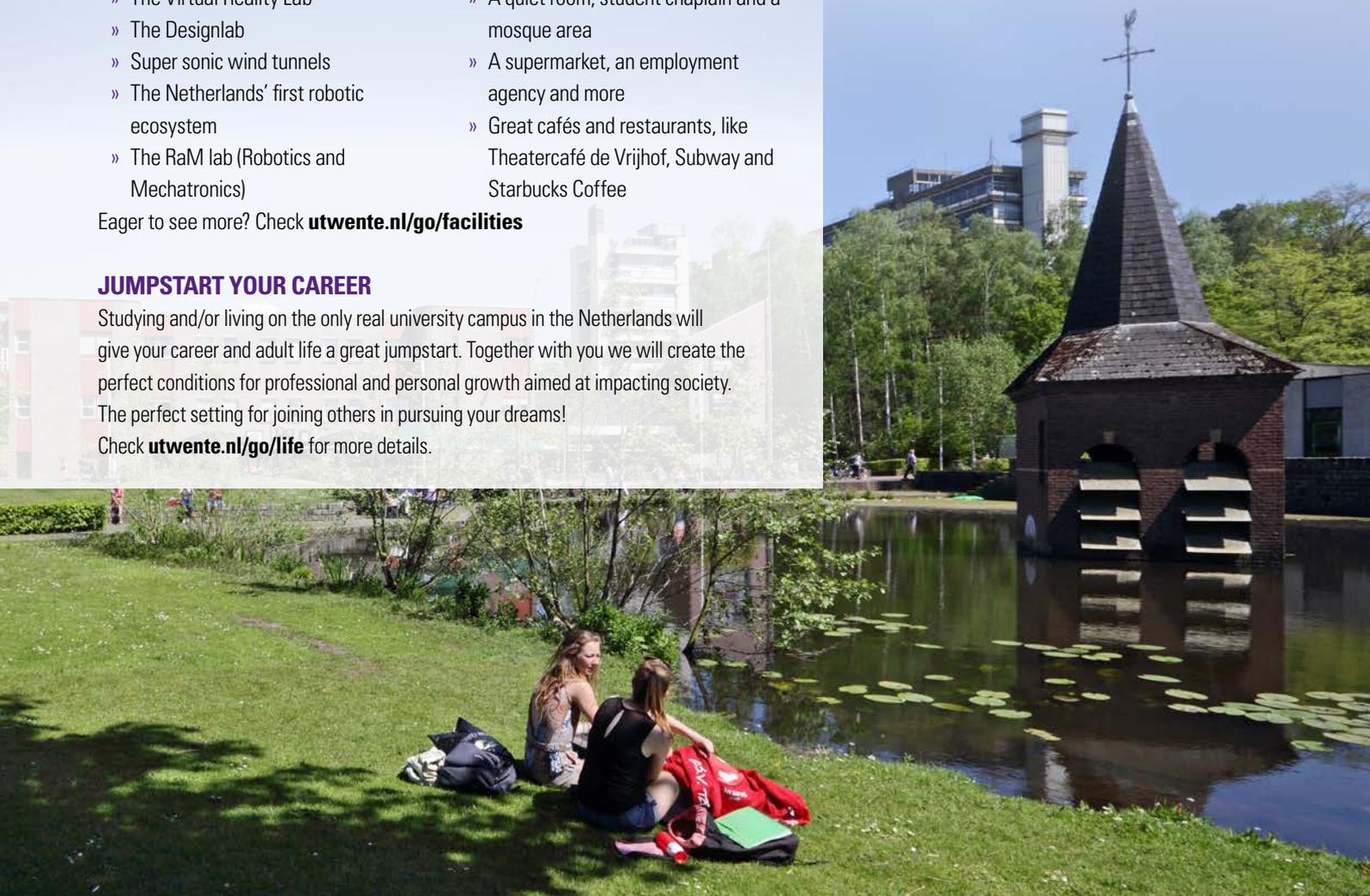
 **2,500**
STUDENT APARTMENTS

 **60**
STAFF HOUSING

 **39**
SPORTS ASSOCIATIONS

 **18**
CULTURAL ASSOCIATIONS

 **372**
LAB FACILITIES





TWENTE EDUCATION MODEL

TWENTE EDUCATION MODEL MAKES STUDYING EFFECTIVE, FUTURE-PROOF AND MORE ENGAGING THAN EVER

One of the things that makes us stand out is our approach to teaching and learning. Our unique Twente Education Model (TOM) makes studying more effective, more future-proof and a lot more fun, too.

TOM IN SHORT

All Bachelor's programmes at the University of Twente work with TOM. What makes this particular way of learning and teaching special? In short:

1. MODULES & PROJECT-BASED WORK

All our programmes consist of modules. Each module has a theme with all sorts of subjects and learning activities, such as feedback sessions with fellow students or workshops and lectures. The different aspects of a module are related to your study programme and often interconnected. Central to each module is a team project in which, together with your group, you address a real-world problem. This way, you put scientific theory into practice. Challenging and exciting!

2. 'STUDENT-DRIVEN LEARNING'

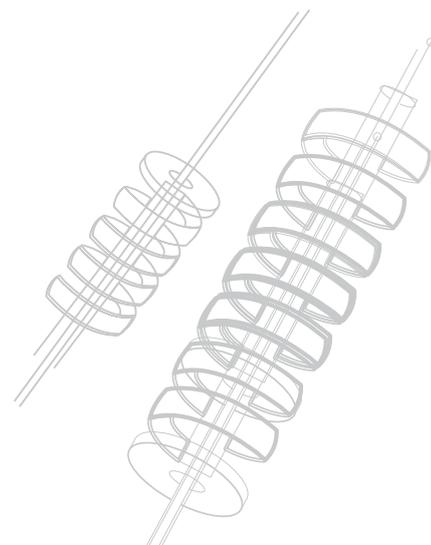
'Student-driven learning' means that, as a student, you have a say in your own learning process. Our aim is to develop modules in which you can make your own choices when it comes to planning and educational activities. Of course, you make your choices in close consultation with your teacher: we're strong believers in personal mentoring.

3. THE THREE ROLES

At the UT we distinguish three different roles you can take on in a team or as a professional: researcher, designer or organizer. Throughout your studies, we'll help you discover which one best suits you. This means that at the UT you'll not only become adept in a certain field of learning, but you'll also discover where your true strengths lie – professionally and personally.

TOM BENEFITS

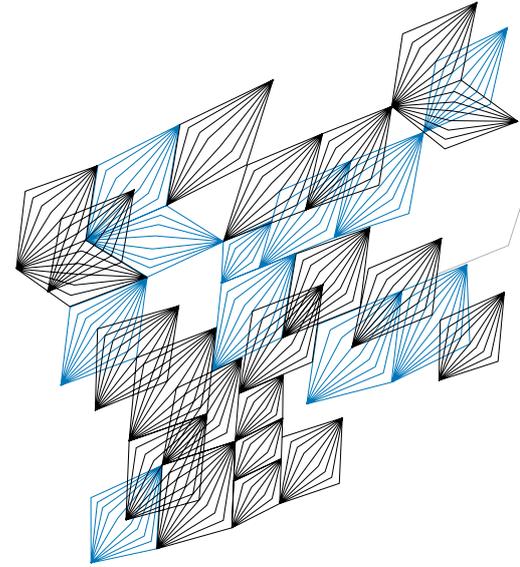
- ✓ Learn how to collaborate with others in changing teams and discover your role in a team
- ✓ Make the most of (and enjoy) many ways of learning, including challenging, lifelike team projects
- ✓ Become a 'T-shaped professional' with thorough knowledge of your field (the T's vertical line) and the ability to interact with colleagues from other disciplines (the horizontal line)
- ✓ Feel at home on the cutting edge of science, technology and society
- ✓ Become a self-reliant, entrepreneurial professional who is constantly learning and growing



EXCELLENCE PROGRAMMES

SPECIAL PROGRAMMES FOR BACHELOR'S STUDENTS WITH AN EDGE

The UT's Excellence Programmes offer an extra challenge to students and pre-university students who are talented, motivated and entrepreneurial. Students who feel at ease leaving the beaten path and look beyond existing boundaries. And who are eager to make sure their ideas have societal impact. The Excellence Programmes are built on our unique High Tech Human Touch philosophy, which merges technology and social sciences.



FOR AMBITIOUS BACHELOR'S STUDENTS

If you're planning to follow a Bachelor's programme, you can choose from three excellence tracks:

THE HONOURS PROGRAMME

- » Complements your normal Bachelor's degree, emphasis on broader knowledge
- » Includes various disciplines (open to students from all Bachelor's programmes)
- » Only for the top 5% performers of each programme
- » Starts every year in February and lasts 18 months

STAR AND PLUS PROGRAMMES

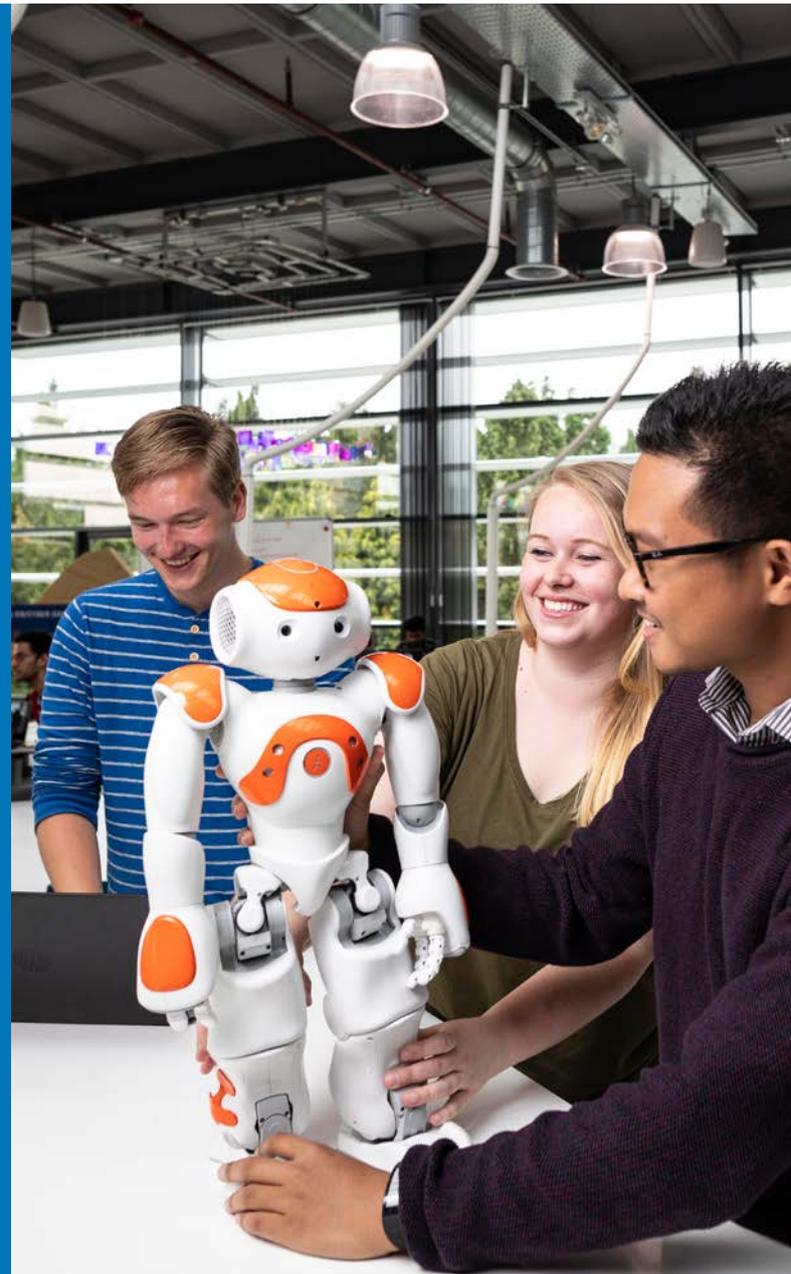
- » Complementary, emphasis on more depth of knowledge in your field
- » Programme-specific
- » Project-based
- » Only for the top 10% performers of its programme
- » Available for the following programmes: Advanced Technology, Applied Physics (Dutch-taught), Industrial Design, International Business Administration, Management, Society & Technology

UNIVERSITY COLLEGE TWENTE

- » Full-time Honours programme
- » UCT's unique programme in Technology and Liberal Arts & Science (ATLAS) makes it the only English-taught university college in the Netherlands that combines technology and social sciences
- » For students willing and able to excel in a broad range of academic areas

INTERESTED? MOTIVATED?

Learn more at utwente.nl/excellentie/en



ON YOUR WAY TO A DREAM DEGREE

CHOOSING THE RIGHT PROGRAMME IN 5 STEPS

Your choice of programme may have a huge impact on your life. We encourage you to take the time to discover which university and programme best suit you. This five-step plan can help you decide.

STEP 1

● DISCOVER YOUR TALENT

WHAT DO YOU GET EXCITED ABOUT? WHAT ARE YOU GOOD AT? WRITE DOWN YOUR IDEAS. TIPS:

- » Write down where your interests and talents lie
- » Talk to your study counsellor at school

STEP 2

● LOOK AROUND

WHAT WOULD YOUR IDEAL PROGRAMME BE LIKE? WHICH UNIVERSITIES APPEAL TO YOU? TIPS:

- » Write down what is important to you
- » Collect information on programmes, colleges, universities
- » Look at our programme websites: utwente.nl/bachelor/en
- » Looking for an extra challenge? Check our excellence programmes at utwente.nl/excellentie/en

STEP 3

● EXAMINE AND COMPARE

HAVE YOU FOUND SEVERAL BACHELOR'S PROGRAMMES THAT MATCH YOUR INTERESTS AND ABILITIES? START COMPARING THEM. TIPS:

- » Attend different Open Days and talk to students and teachers. utwente.nl/en/opendays
- » Experience being a Student for a Day utwente.nl/student-for-a-day
- » Chat with, phone, email or visit our Study Information Centre utwente.nl/go/contact-en
- » Join our Open Online Day at utwente.nl/en/online-open-day or one of our webinars at utwente.nl/en/webinar



STEP 4 ● MAKE YOUR DECISION

YOU'RE NOW JUST ABOUT READY TO MAKE UP YOUR MIND.
A FEW FINAL QUESTIONS:

- » Have I adequately prepared myself?
- » Do I have the right profile?
- » Does admission to my programme of choice involve a draw?

Once you have answered these questions, you can sign up. Here in the Netherlands you have to register before 1 May on the **studielink.nl** website. Do it as early as possible, so you'll have time to participate in any study orientation activities – another way of making sure you make the right choice.

Please note, that for international students different application deadlines might apply. Please check our website for the most up-to-date information:

utwente.nl/admissionoffice/bachelor

STEP 5 ● MATCH

Have you signed up for a programme before the deadline? Then you may be invited to participate in certain study matching activities. We call it a 'Study check'. For some programmes it's mandatory.

Want to know more?

Go to **utwente.nl/go/study-orientation**



BACHELOR'S AND BEYOND

START LOOKING AT THE POSSIBILITIES YOU'LL HAVE AFTER GRADUATION

You may have clear ideas about what you want to do with your Bachelor's degree, and then again, you may not. Here's a short overview of some of the possibilities.

FOLLOW A MASTER'S PROGRAMME

Taking a Master's degree after your Bachelor's programme generally means you'll have more job opportunities. With your Bachelor's degree you can go on to various Master's programmes here at the UT or at another university. For an overview of our Master's programmes check utwente.nl/master.

POST-MASTER'S OPTIONS

Once you have your Master's degree you have several options:

- » Look for a job
- » Follow a two-year PDEng programme (Professional Doctorate in Engineering) here at the UT. More info: utwente.nl/go/pdeng
- » Sign up for a four-year PhD programme of in-depth research in a particular area. More info: utwente.nl/go/phd

WORK

Most of our BSc graduates get a Master's degree before hitting the job market, but it's possible to go straight to work with a Bachelor's degree. Please note, however, that different employers respond in different ways to applicants with only a Bachelor's degree: some will only hire Master's graduates.

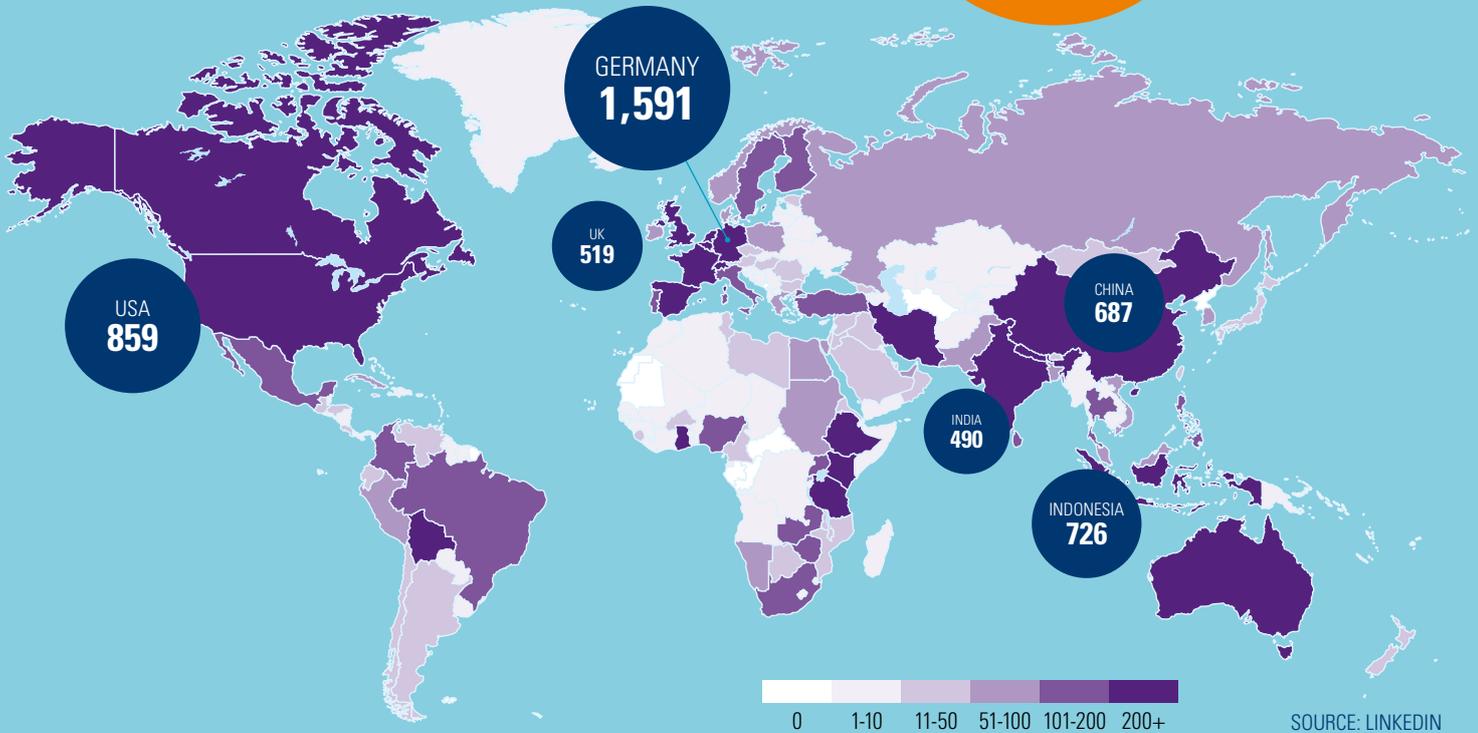
UT GRADUATES ARE EVERYWHERE!

You can find University of Twente alumni – there are now more than 47,000 of them – almost all over the world. They work for a wide range of organizations, including Philips, Microsoft, Google, AkzoNobel, Shell, Unilever, Fortis ASML, Ericsson, Siemens, Heineken, General Electric, Nestlé, the United Nations, Audi, KLM-Air France, Deloitte, Capgemini, Thales and IBM. We like to keep in touch with them. We can help them, but they also keep us on our toes. This exchange of knowledge is extremely valuable. Take a look at the map and see where you might end up one day!

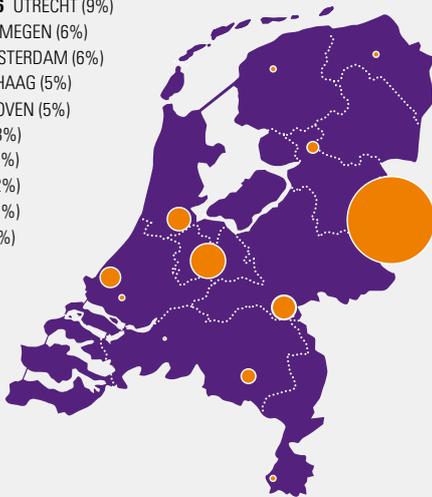


OVER 47,000 ALUMNI LIVE IN 169 COUNTRIES

THE NETHERLANDS
31,475



THE NETHERLANDS ALUMNI BY CITY



SOURCE: UT ALUMNI DATA

2,671 STUDENTS GRADUATED IN 2017*

LARGEST STUDY PROGRAMMES BASED ON ALUMNI (2017 GRADUATES)

- Business Administration 315
- Psychology 300
- Mechanical Engineering 216
- Technical Medicine 153
- Civil Engineering 150
- Industrial Design 136
- Geo-information Science & Earth Observation 136
- Industrial Engineering & Management 117
- Public Administration 112
- Communication Studies 110
- Technical Computer Science 105
- Chemical Engineering 101
- Biomedical Engineering 99

LARGEST STUDY PROGRAMMES BASED ON ALUMNI (ALL YEARS)

- Mechanical Engineering 5,081
- Industrial Engineering & Management 4,937
- Business Administration 3,547
- Electrical Engineering 3,448
- Chemical Engineering 3,140
- Technical Computer Science 2,955
- Public Administration 2,847
- Psychology 2,733
- Communication Studies 2,656
- Civil Engineering 2,313

* BASED ON THE 2016/17 ACADEMIC YEAR

in 16,459 MEMBERS

🐦 42,954 FOLLOWERS

f 2,567 FANS

€ 800+ DONORS

71% MALE **28%** FEMALE

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 YOU CAN EXPECT FROM US

ENTREPRENEURIAL SPIRIT

At the University of Twente we have an outstanding track record in starting up and spinning off new businesses and giving shape to new expressions of social and industrial engagement. The core value of entrepreneurship is perfectly illustrated by the Gallery, which stimulates our spirit of enterprise by providing a home for spin-offs founded by student entrepreneurs. We have had around 1,000 successful ventures to date!

INTERNATIONALLY MINDED

Many of our students and members of staff come to Twente from abroad. The university also enjoys extensive contacts with universities and organizations in other countries and attracts a significant share of its funding from international companies. Building on these close international ties, we encourage students to take part of their studies abroad and to widen their horizons. This kind of international input enables them to develop into global citizens of the future.

IMPACTING SOCIETY

In the world of scientific research, there is always a danger that a project will be shelved on completion, with no wider significance being given to the results. At the University of Twente we are dedicated to making a real difference with our research. Our constant aim is to ensure that research results are used to help improve and perhaps even save people's lives.

HIGH TECH HUMAN TOUCH

We lead the way in responding to societal demands and creating relevant combinations between disciplines. The ever-evolving world of technology opens up countless new opportunities, while also giving rise to new questions and dilemmas. By combining research areas, we provide an effective response to these challenges and succeed in answering the questions our society faces: High Tech Human Touch.



A FEW OF OUR COOLEST EVENTS

KICK-IN OUR SIZZLING INTRODUCTION WEEK FOR NEWCOMERS (KICK-IN.NL)

GREEN VIBRATIONS A LIVE MUSIC FESTIVAL, WITH SOME THEATRE AND DANCE MIXED IN

CURIOSU THE SUMMER SCHOOL ANNEX FESTIVAL WITH COURSES, LECTURERS, MUSIC, THEATRE AND SPORT

BATAVIERENRACE & BATAVIERENPARTY THE WORLD'S LARGEST RELAY-RACE, FOLLOWED BY EUROPE'S LARGEST STUDENT PARTY

LOOKING FOR MORE EXCITEMENT?
CHECK UTWENTE.NL/EN/EVENTS

BACHELOR OF SCIENCE DEGREES

> TECHNOLOGY AND LIBERAL ARTS & SCIENCES (ATLAS)

> ADVANCED TECHNOLOGY

> APPLIED MATHEMATICS

> APPLIED PHYSICS



> BIOMEDICAL TECHNOLOGY



> BUSINESS & IT

> CHEMICAL SCIENCE & ENGINEERING

> CIVIL ENGINEERING

> COMMUNICATION SCIENCE

> CREATIVE TECHNOLOGY

> ELECTRICAL ENGINEERING

> HEALTH SCIENCES



> INDUSTRIAL DESIGN

> INDUSTRIAL ENGINEERING & MANAGEMENT

> INTERNATIONAL BUSINESS ADMINISTRATION

> MANAGEMENT, SOCIETY & TECHNOLOGY

> MECHANICAL ENGINEERING

> PSYCHOLOGY

> TECHNICAL COMPUTER SCIENCE

> TECHNICAL MEDICINE



FIND OUT MORE AT
[UTWENTE.NL/BACHELOR/EN](https://utwente.nl/bachelor/en)

TECHNOLOGY AND LIBERAL ARTS & SCIENCES (ATLAS)



University College Twente (UCT) is the international Honours college of the University of Twente. Our English-taught **Technology and Liberal Arts & Sciences** programme, ATLAS for short, is aimed at curious, versatile students eager to make a difference. We offer the only Bachelor's degree 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. ATLAS students don't choose: they combine.

UNIVERSITY
COLLEGE TWENTE,
THE COLLEGE
OF DOING THINGS
YOUR WAY

DESIGNING 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 mentor, 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, solving real-world problems and learning as you go. In three years you earn an Honours BSc degree – your ticket to the professional world or to a Master's programme of your choice almost anywhere in the world.

THEMES, PROJECTS AND STUDYING ABROAD

The TOP-rated 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 to 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. 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.

UNIVERSITY OF TWENTE
TECHNOLOGY, LIBERAL ARTS & SCIENCES

ADMISSION REQUIREMENTS



- ✓ A HIGH SCHOOL DIPLOMA EQUIVALENT TO THE DUTCH VWO (SUCH AS BRITISH A-LEVELS OR THE INTERNATIONAL BACCALAUREATE)
- ✓ HIGH FINAL MARKS IN ENGLISH, MATHEMATICS AND AT LEAST ONE OTHER SCIENCE SUBJECT, PREFERABLY 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

FIND OUT MORE AT [UTWENTE.NL/GO/ATLAS-EN](https://utwente.nl/go/atlas-en)



JILL ACKFELD

”
THE DIFFERENCE BETWEEN THIS PROGRAMME AND OTHERS IS THAT YOU HAVE A VERY CLOSE RELATIONSHIP WITH YOUR PROFESSORS. IT IS MORE INFORMAL AND COMMUNITY-BASED.

”

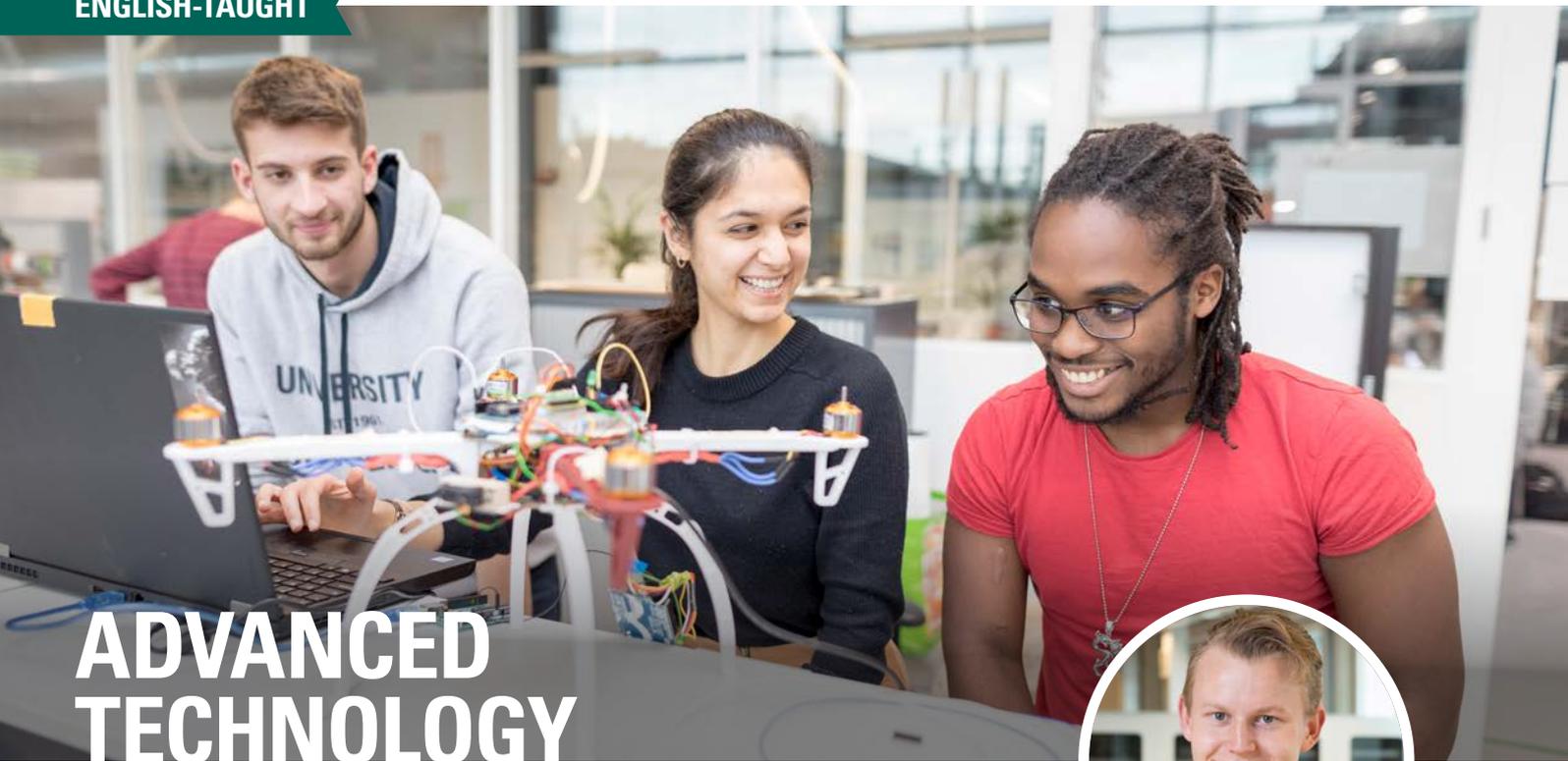
The University College has provided me with the means for a more self-directed and individualized way of learning than I was offered at high school. It gives me a great sense of freedom and has had an even greater influence on my development.

ATLAS allows every student to develop his or her very own study path and direction. It is an intensely personal process that takes extra time – and effort, of course – every semester. However, your individual concerns are met with strong communal support from teachers and peers.

The professors here do not simply lecture, they are also mentors and advisors. Their office doors are always open and they actively participate in educational events. All of that creates an open atmosphere that stimulates discussion.

The idea of a learning community like this is that everyone can learn from one another – and at UCT that includes teachers. This really makes ATLAS stand out from other programmes.

ENGLISH-TAUGHT



ADVANCED TECHNOLOGY

Our Bachelor's programme in **Advanced Technology** is a one-of-a-kind programme in the Netherlands. If you're inspired by the idea of combining multiple disciplines to develop new technologies and to solve the problems of tomorrow, like the pioneer Leonardo da Vinci – philosopher, engineer, physicist, chemist and artist – this programme is sure to appeal to you. It's a broad programme in which you will combine technical expertise with a keen awareness of society's needs.

A CREATIVE MIX OF TECHNICAL DISCIPLINES

We live in a rapidly changing world. There are unprecedented opportunities as well as complex problems – such as the need for energy-efficient transport or new sources of clean energy. In this programme, you will learn to create multidisciplinary solutions to these problems. You'll become familiar with various disciplines, including electrical engineering, mechanical engineering, chemical engineering, applied physics, and mathematics. You will also learn to combine them. In our hands-on team projects, we will challenge you and your fellow students to use your understanding of the theory for solving socially relevant technological problems. As an Advanced Technology student you won't approach problem-solving from the point of view of one single discipline, but from the perspective of the problem itself.

A DISTINCT INTERNATIONAL ORIENTATION

Advanced Technology is an English-taught programme that attracts many foreign students. From day one you will connect with students from different national and cultural backgrounds, studying and working in an international environment. This will train you to look at problems from different angles and familiarize you with working in international teams. The career advantages are obvious!

THIS PROGRAMME WILL OPEN MANY DOORS FOR YOU

After completing your Bachelor's degree in Advanced Technology, you can progress to a Master's degree either at the University of Twente, at another university in the Netherlands or abroad. There are numerous options to choose from. You might specialize in one discipline, such as Electrical Engineering or Mechanical Engineering, or choose a management-related programme, such as Industrial Engineering & Management. Multidisciplinary Master's programmes, in the field of Nanotechnology and Mechatronics, are also a possibility. In short, this internationally recognized Bachelor of Science title will open up a world of opportunities for you.



WERNER SCHOUTEN

”
THE MULTIDISCIPLINARY AND PROJECT-ORIENTED CHARACTER OF ADVANCED TECHNOLOGY IS WHAT APPEALS TO ME THE MOST
 ”

UNIVERSITY OF TWENTE
ADVANCED TECHNOLOGY

ADMISSION REQUIREMENTS



- ✓ CERTIFICATE EQUIVALENT TO DUTCH VWO (E.G. BRITISH A-LEVELS, INTERNATIONAL BACCALAUREATE)
- ✓ DUTCH (NT2, PROGRAM I OR CNAVt, PMT OR PPT)
- ✓ MATHEMATICS, PHYSICS, PREFERABLY CHEMISTRY

FIND OUT MORE AT [UTWENTE.NL/GO/AT-EN](https://utwente.nl/go/at-en)

APPLIED MATHEMATICS

Our English-taught Bachelor's programme in **Applied Mathematics** is all about putting maths to practical use. In this programme you will learn how to convert practical problems into mathematical models with the purpose of getting to the essence of the problem and applying mathematical techniques to find real solutions. Think of crowd control, reducing waiting lists in healthcare, weather forecasting or enabling hundreds of airplanes to take off and land every day.

EXCELLENT MATHEMATICS AND MUCH MORE

Without a doubt, this programme will give you a very solid, broad basis in mathematics. You will learn from experienced teachers who are leaders in their own fields. You will also benefit from the pleasant atmosphere typical of the University of Twente. We work in small groups and our teachers and students all know each other personally. You will be appreciated just as you are and we will do all we can to help you bring out the best in yourself. The Applied Mathematics Bachelor's programme at the UT offers you far more than just excellent maths, though. Our strong focus on people, application and societal impact will also equip you for an important role in society.

POSSIBLE MASTER'S PROGRAMMES

With a BSc in Applied Mathematics you can enter several Master's programmes at the UT. For example: Applied Mathematics, Systems & Control, Computer Science and Industrial Engineering & Management. In some cases you may have to take a pre-Master's course.

EXCELLENT INTERNATIONAL POSSIBILITIES

This internationally oriented and highly practically Bachelor's programme will offer you excellent career opportunities. Because of the skills you will have developed in ordering, analysing, abstract thinking and practical application, many businesses and organizations all over the world will be eager to hire you. Especially with a Master's degree, you will soon find a job. For instance, you might set to work as a medical logistics consultant, a teacher, a researcher of tsunami warning models, or a developer of new mathematical models for calculating airflow around airplane wings. This Bachelor's programme will equip you to make a real difference – anywhere in the world.



LOTTE WEEDAGE

”
A LOT OF COMPANIES WANT MATHEMATICIANS FOR NON-MATHEMATICAL DEPARTMENTS OF THEIR ORGANIZATIONS
 ”

UNIVERSITY OF TWENTE
APPLIED MATHEMATICS

ADMISSION REQUIREMENTS



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

FIND OUT MORE AT [UTWENTE.NL/GO/AM-EN](https://utwente.nl/go/am-en)



APPLIED PHYSICS

Our Dutch-taught programme in **Applied Physics** is all about unravelling the laws underlying physical phenomena and putting them to practical use. Like Archimedes – who, according to tradition, was taking a bath when he discovered the Law of Buoyancy and was so excited that he ran out into the street naked! – you will be constantly trying to shed light on physical phenomena. As an applied physicist, however, you will not just be interested in finding out why things happen, but also in using your knowledge to create useful products or to solve problems.

THE LANGUAGE AND TOOLS OF THE PHYSICIST

Throughout this TOP-rated programme you will be developing your knowledge of mathematics and training your computational skills, as these are the language of applied physics. Your main tool is the experiment – experimenting is the gateway to new possibilities – so in this programme you will spend a lot of time conducting experiments and learning how to work with all kinds of measuring devices. Physics experiments are becoming increasingly complicated and there is a growing need for applied physicists who combine in-depth knowledge with excellent practical skills. This is why we focus on application. In small group projects, we will challenge you to work together with fellow students on solving problems by applying your newly acquired knowledge and skills.

PERSONAL AND INFORMAL

The Applied Physics programme is a small-scale programme with a low student-teacher ratio. The atmosphere is pleasant and informal and in no time you will be on first-name terms with teachers and fellow students. Our staff is closely involved in the educational programme and committed to your advancement. Whatever your questions or concerns, your teachers will be there to help.

A WIDE RANGE OF CAREER OPPORTUNITIES

Studying Applied Physics will open many doors for you, especially if you continue with our two-year, English-taught Master's programme. Nearly half of our graduates pursue a career in (technical) research and development. The other half opt for a career in business. As an applied physicist you may also be offered managerial and consulting positions, thanks to your outstanding analytical skills.



BART FOLKERS

”
SOME PHENOMENA HAVE ALWAYS SURPRISED ME. APPLIED PHYSICS DESCRIBES AND EXPLAINS THE PHENOMENA I HAVE ALWAYS BEEN FASCINATED WITH. IT'S THE PERFECT PROGRAMME FOR ME!
 ”

UNIVERSITY OF TWENTE
APPLIED PHYSICS

ADMISSION REQUIREMENTS



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

FIND OUT MORE AT [UTWENTE.NL/GO/APH-EN](https://utwente.nl/go/aph-en)

BIOMEDICAL TECHNOLOGY

Would you like to make it your mission to develop healthcare technology? Are you interested in rehabilitation robots, artificial organs, medical scans and prostheses? Then our Bachelor's programme **Biomedical Technology** could be for you. Throughout this engineering programme you will design and develop medical innovations that directly contribute to better healthcare. The key word is 'applicability'.

AN INNOVATIVE AND SOLUTION-DRIVEN APPROACH

During this programme we will teach you to take the needs and interests of patients as your starting point, converting them into products and solutions. Once you have correctly analysed the problem, you will draw on your knowledge of physics, mathematics, chemistry, mechanical engineering, electrical engineering, biology and medicine to come up with the desired technological solution. You will learn how to research, design and develop technology for healthcare. In our many team projects you will be challenged to find solutions for specific biomedical problems. You will make project plans, look for information, experiment, collaborate, and present. In this way you will understand why you are learning certain things and how you can apply them in practice. Also, this method will equip you for your future career, which will involve a lot of projects and teamwork.

THE NEED FOR ENGINEERS IN HEALTHCARE IS RAPIDLY GROWING

Most students graduating from the Bachelor's programme in Biomedical Technology go on to do a Master's in Biomedical Engineering here at the University of Twente. Your Bachelor's degree will give you direct access to this programme. The career possibilities are good, especially with a Master's degree. As the role of technology in healthcare gains importance, there is a growing need for engineers who can design this sort of technology. As a Biomedical Technology graduate you can set to work in a business, as a researcher or in a hospital. You may research technologies, develop new products or be responsible for technical projects as a project manager.



BAS BLEIJERVELD

”
**YOU GET TO DEVELOP
 MEDICAL INNOVATIONS
 THAT REALLY CONTRIBUTE
 TO BETTER CARE**

”

UNIVERSITY OF TWENTE
BIOMEDICAL TECHNOLOGY

ADMISSION REQUIREMENTS



- ✓ 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

FIND OUT MORE AT [UTWENTE.NL/GO/BMT-EN](https://utwente.nl/go/bmt-en)

ENGLISH-TAUGHT



BUSINESS & IT

Our English-taught **Business & IT** programme brings the worlds of Business Administration and Computer Science together. You will also acquire knowledge of information technology, organization, communication and planning methods. Because the development and implementation of IT systems in companies lies at the heart of this Bachelor's programme, we work closely with different corporations. We also frequently invite people with experience in business as guest lecturers.

During the programme, you will look at process automation case studies that have failed or succeeded, and use these examples to find out what it takes for software to make a difference in a business. We work in small classes that allow you to get to know all your fellow students well and to benefit from personal support from staff members.

PROJECTS MAKE THIS A HANDS-ON PROGRAMME

In the Business & IT programme each year is made up of four modules. Each module is rounded off with a project. The team projects are what make our education model at the UT so practical. For example, in the fourth module of your first year (Data & Information), you will join a group of five or six students in creating a complete web application, including databases, with the purpose of automating certain parts of a company. You will do this using Scrum, the latest method for creating complex software systems.

HIGH DEMAND FOR BUSINESS & IT PROFESSIONALS

Even in struggling economies, information technology is vital to any business. This means graduates with knowledge of business processes and IT are in high demand. You will recognize your profile in all sorts of job descriptions: from business analyst to advisor, IT manager, information architect, business process designer or project manager. Demand for people who can bridge the gap between business and IT is so widespread that you will most likely be able to take your pick and work in the sector that most appeals to you.



VICTORIA LAPSHYNA

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

UNIVERSITY OF TWENTE
BUSINESS & IT

ADMISSION REQUIREMENTS



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

FIND OUT MORE AT [UTWENTE.NL/GO/BIT-EN](https://utwente.nl/go/bit-en)



ENGLISH-TAUGHT

CHEMICAL SCIENCE & ENGINEERING

Is there a cheaper way of making water clean and drinkable? How do you produce liquid fuels using natural gas, coal, waste wood or even algae, as crude oil resources run out? How can you make usable products out of waste materials? These questions may not seem to have much in common, however, they are all related to our Bachelor's programme in **Chemical Science & Engineering**. In this English-taught programme the focus is on developing and improving new (sustainable) processes and materials.

MORE THAN JUST CHEMISTRY

As a chemical engineer you are creative and inquisitive. In this programme you will learn to compose new materials and to subject them to in-depth research. Or to design and optimize manufacturing processes, while also making them more sustainable. Chemical Science & Engineering involves a lot more than chemistry alone: physics and mathematics also play a vital role. This is why as a Chemical Science & Engineering student you must have a broad interest in the natural sciences as well as being technically minded. In this UT programme, theory and practice are interwoven. For instance, every module involves a project, in which you join a team of fellow students in tackling a complex problem taken straight from the business world or society. This will give you a deeper understanding of the theory, help you to apply it and enable you to develop the skills needed to work on project teams.

PERSONAL AND INFORMAL

The Chemical Science & Engineering programme is a small-scale programme with a low student teacher ratio. The atmosphere is pleasant and informal and in no time you will be on first-name terms with teachers and fellow students. Our staff is closely involved in the educational programme and committed to your advancement. Whatever your questions or concerns, your teachers will be there to help.

RESEARCHER, PROCESS ENGINEER OR PROJECT LEADER

This Bachelor's programme will open many doors for you. Most graduates continue to do our two-year, English-taught Master's programme in Chemical Engineering. Other Master's programmes will also be open to you. With a Master's degree, you will be an attractive employee to many businesses, design or engineering agencies, research or educational institutes. You can also opt for further specialization through a PhD programme.



REINDER KERSTEN

”
IN CHEMICAL SCIENCE & ENGINEERING, YOU DON'T JUST LEARN HOW CHEMICAL REACTIONS WORK, BUT ALSO HOW TO APPLY THEM ON A LARGE SCALE
 ”

UNIVERSITY OF TWENTE
CHEMICAL SCIENCE & ENGINEERING

ADMISSION REQUIREMENTS



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

FIND OUT MORE AT [UTWENTE.NL/GO/BSC-CHE](https://utwente.nl/go/bsc-che)

CIVIL ENGINEERING

If you're fascinated by giant construction projects – think stadiums, bridges, reservoirs or traffic networks – our English-taught Bachelor's programme in **Civil Engineering** may be the right choice for you. Civil Engineering students at the UT learn to design, construct and manage infrastructure and major building projects, while also studying the organizational issues behind such projects. They combine technical knowledge with 'soft skills', such as communication, project management and process management.

THREE CORE THEMES: CONSTRUCTION, TRANSPORT AND WATER

Our programme focuses on three core themes: construction, transport and water. You'll learn how to systematically map out complex problems, such as the possibility of flooding in a certain area; you'll build models for predicting the effects certain measures will have; and you'll study how to design complex projects, such as a subway junction in the heart of Amsterdam or an airport at sea. Of course, you'll also learn how to oversee the building process for such designs.

CIVIL ENGINEERS ARE IN HIGH DEMAND IN MANY COUNTRIES

This programme will prepare you for positions that do not only revolve around building and construction, but involve other disciplines too, such as business administration, law or management. There's a great need for people with a broader skill set, both here in the Netherlands and in other countries

Especially after completing your Master's degree, you'll be a valuable addition to project teams with a variety of employers, including engineering and consultancy agencies, the government, contractors and property developers, or research institutes.



LUUK VONK

”
THIS PROGRAMME
COVERS FAR MORE THAN
JUST ENGINEERING
”

UNIVERSITY OF TWENTE
CIVIL ENGINEERING

ADMISSION REQUIREMENTS



✓ CERTIFICATE EQUIVALENT TO DUTCH VVO (E.G. BRITISH A-LEVELS, INTERNATIONAL BACCALAUREATE)

✓ ENGLISH (CEFR, B2/C1 LEVEL; IELTS 6.0; TOEFL 80 OR CAMBRIDGE CAE)

✓ MATHEMATICS, PHYSICS

FIND OUT MORE AT [UTWENTE.NL/GO/CE-EN](https://utwente.nl/go/ce-en)

COMMUNICATION SCIENCE

Technology has dramatically changed the world we live in – and will continue to do so. Today, we are more connected and spend more time on communication activities than ever before. The field of communication is changing. Using smartphones and tapping into global networks, for example, colleagues no longer have to see each other daily. In our English-taught Bachelor's programme in **Communication Science**, you'll connect communication theories with organizational contexts, technological developments and design.

COMBINING COMMUNICATION, MODERN ORGANIZATIONS, TECHNOLOGY AND DESIGN

Traditional organizations are disappearing. Rapidly changing contexts and the possibilities offered by ICT (information and communication technology) are leading to more flexible ways of organizing. ICT has made organizations more transparent to the outside world than ever. Many organizations are experimenting with new ways of working, using flexible working hours, telecommuting, and flexible office spaces. In all of this, technology and communication are closely connected – and will be even more so in the future. Communication Science at the UT aims at exploring and utilizing the interdependencies between the two. While new technologies are changing the way we communicate, they, in turn, depend on effective communication: many brilliant technological innovations have failed due to communication problems. In this area, communication professionals can play the role of 'user's advocate'.

Communication professionals have long underused the potential contribution of design to reach their goals. Everything communicates, and it's important to realize this. Product and packaging design, for instance, strongly affect consumer product perception. The interior design of meeting rooms, work stations, or consultation rooms affects people's behaviour and experiences. Design is not limited to visual aspects: it can involve all of our senses.

WORKING AS A COMMUNICATION PROFESSIONAL

Students who graduate from our programme are academic communication professionals, who can think like a communication scholar, but also like an engineer. Our graduates find jobs in companies, in the government, in the media sector, or with communication, research, or advertising agencies.



JIP LUKKIEN

”
**LEARNING TO THINK
 LIKE AN ENGINEER
 WILL ENABLE ME TO
 HANDLE ALMOST ANY
 COMMUNICATION ISSUE**
 ”

UNIVERSITY OF TWENTE COMMUNICATION SCIENCE

ADMISSION REQUIREMENTS



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

FIND OUT MORE AT [UTWENTE.NL/GO/COM-EN](https://utwente.nl/go/com-en)

CREATIVE TECHNOLOGY

A virtual 'dream flight' in attraction park De Efteling. A wristband that enables you to track down your friends at a festival. A language test for pre-schoolers using eye tracking. These are all examples of projects carried out by students in our English-taught Bachelor's programme in **Creative Technology**. What will you come up with?

APPLYING TECHNOLOGY IN ORIGINAL WAYS

Throughout the Creative Technology programme you'll learn to creatively combine computer science and electrical engineering technology in order to create new solutions with real impact on people. Are you an out-of-the-box thinker eager to make a difference in society? Are you daring and interested in smart technology, new media and design? Then Creative Technology could be just the ticket for you. Throughout the many hands-on projects typical of our programmes at the UT, you'll develop technical knowledge and skills, as well as the ability to understand how technology influences humans, design and creative processes. In our Smart Experience Laboratory (Smart XP) you'll have room to discover how to turn a question or an opportunity into an appealing prototype.

SOUGHT-AFTER MASTER'S PROGRAMMES

After the Bachelor's programme you can choose from many Master's programmes here at the UT, in the Netherlands or abroad. For example, at the University of Twente we offer Interaction Technology, Embedded Systems, Industrial Design Engineering, Philosophy of Science, Technology and Society, Biomedical Engineering and Computer Science.

A CREATIVE BRIDGE-BUILDER

Our graduates work for businesses and departments that foster real innovation. As a creative thinker and a bridge builder between different disciplines, you'll be able to translate client wishes into new solutions. Perhaps you fancy commercializing your smart idea through your own company? Creative Technology will take you beyond your imagination, enabling you to develop fascinating high-tech applications while staying focused on impacting society.



MICHELLE SUDJITO

”
ONLY THE UT PROGRAMME MET ALL MY REQUIREMENTS: A BROAD, INNOVATIVE, INTERNATIONAL AND CREATIVE IT COURSE
 ”

UNIVERSITY OF TWENTE CREATIVE TECHNOLOGY

ADMISSION REQUIREMENTS



- ✓ 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

FIND OUT MORE AT [UTWENTE.NL/GO/CREATE-EN](https://utwente.nl/go/create-en)

ELECTRICAL ENGINEERING

Electrical Engineering is the driving force behind all those exciting new developments you come across nowadays. This area of expertise fuels and channels many kinds of innovations, for example, in the field of robotics, the Internet of Things, Big Data, nanotechnology, wireless communication, biomedical technology and cyber security. Most of the devices and appliances we're familiar with today could never have been developed without electrical engineering and its many features. Just think of wireless communication, robotics and sensors, for example. It has been this way for many decades and it will remain so for several more. Electrical Engineering, in essence, is the art of shaping the future. So many new possibilities are emerging so rapidly that we cannot even imagine what might be possible ten years from now.

THEORY AND HANDS-ON PROJECTS

This Bachelor's programme consists of four modules per year with interconnected subjects. You will get familiar with Electrical Engineering theory as well as gaining the necessary knowledge of mathematics and computer science. Every module has a project that brings all this knowledge together. In these challenging projects you use the knowledge you've acquired to come up with and realize different, new applications.

CHOOSING BETWEEN VARIOUS MASTER'S PROGRAMMES

The University of Twente offers a range of Master's programmes that tie in with the Bachelor's programme in Electrical Engineering. For example: Systems & Control (Mechanical Engineering, Robotics), Embedded Systems (Information Technology), Nanotechnology, Biomedical Engineering and, of course, the Master's programme Electrical Engineering.

BECOME THE INVENTOR OF THE FUTURE

The Netherlands is at the forefront of innovative developments. Job opportunities in this area abound and will continue to do so. Having completed the Electrical Engineering Bachelor's you will be equipped to actively participate in technological developments that will change our world. Many of our students, even before graduating, have a fun, challenging job lined up or various offers to choose from. Our strong international profile is also ideal for launching a career abroad.



HERJAN BARKMAN

”
**IT'S AMAZING TO SEE
 WHAT YOU CAN BUILD
 AND ACHIEVE WHEN
 YOU START PUTTING
 KNOWLEDGE INTO PRACTICE**
 ”

UNIVERSITY OF TWENTE ELECTRICAL ENGINEERING

ADMISSION REQUIREMENTS



- ✓ 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

FIND OUT MORE AT [UTWENTE.NL/GO/EE-EN](https://utwente.nl/go/ee-en)

DUTCH-TAUGHT

HEALTH SCIENCES

Do you want to contribute to healthcare in some other way than becoming a doctor or practitioner? Then the Dutch-taught **Health Sciences** programme at the University of Twente is the right choice for you. Throughout this programme you will learn to look at healthcare from different perspectives. You gain insight into the quality of care for individual patients, organizational processes and the effects policy has on healthcare nationwide. You will familiarize yourself with health and illness, organization, policy and finance, technology and innovation in healthcare. You will also learn to conduct research and to design interventions.

HEALTHCARE AND TECHNOLOGY

Health Sciences at the University of Twente stands out from other similar programmes by combining healthcare and technology. Technology plays an increasingly important role in healthcare. New technological developments are taking place at such a high pace that the healthcare sector is faced with many questions. If more technology is introduced into healthcare (say, a healthcare robot), what effects will that have on doctors, patients and the care process? How do we know if an innovative treatment is better than the old one? And which treatments should insurers cover? Who can administer a new drug? Do laws and regulations need adapting? How can government policy help people develop healthier lifestyles? These are the sort of questions you will tackle throughout this Bachelor programme. Health Sciences is not a technical degree. You will not go into the details of how technologies work or how to develop them. Your focus, rather, will be on how to assess from different perspectives whether the use of technology can add value to healthcare. This skill is of vital importance in improving healthcare quality.

SOLVING ISSUES IN THE HEALTHCARE SECTOR

The University of Twente offers you a small-scale educational environment with an informal atmosphere. We challenge you to team up with others and come up with solutions to real-life healthcare issues. Do you have a broad range of interests? Are you interested in health and illness? Do you enjoy both biology and economics? Do you want to work in healthcare, but not as a caregiver? Do you believe in the importance of technology, without necessarily being a 'techie' yourself? Then the Bachelor's programme Health Sciences is a good choice for you!



EVITA BARTELS

”
**YOU LEARN TO OPTIMIZE
 HEALTHCARE, MAKING
 IT MORE EFFICIENT AND
 EFFECTIVE**
 ”

UNIVERSITY OF TWENTE
HEALTH SCIENCES

ADMISSION REQUIREMENTS



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

FIND OUT MORE AT [UTWENTE.NL/GO/HS-BSC](https://utwente.nl/go/hs-bsc)

INDUSTRIAL DESIGN

In our English-taught Bachelor's programme in **Industrial Design** you'll learn to use technical insight, creativity and a feel for consumer behaviour in designing or improving products that are both functional and attractive. You'll also learn how to manufacture your design at a reasonable cost price and how to make the product practical as well as easy to package and transport.

FUTURE-PROOF: BECOME AN ENTREPRENEURIAL DESIGNER

This programme will prepare you for every aspect of designing a good product. What distinguishes this programme from courses elsewhere, above all, is its future-oriented approach. With us you'll get a firm grip on the entire design process, from developing an idea to market introduction. You'll gain fundamental knowledge at a scientific level that will enable you to navigate confidently between technical possibilities and market movements. This will make you a highly entrepreneurial designer.

PROJECT-BASED LEARNING WITH ASSIGNMENTS STRAIGHT FROM INDUSTRY

Our programme is also characterized by its design-oriented, project-based content. You'll work on real-life assignments. In projects, you and your fellow team members will develop prototypes and present them to your clients, who are often industrial partners. A lot of products made by UT students have actually ended up in shops this way.

Besides technical and creative subjects, and of course physics and mathematics, you'll also cover disciplines such as ergonomics, marketing, and business. You'll become familiar with the entire design process and with ways of modifying it, and learn to determine when new technological possibilities or changes in the market can create opportunities for a better product

YOUR FUTURE WITH INDUSTRIAL DESIGN

The world needs industrial designers who can design intelligent products and who have an eye for the complete design process. This coordinating role is becoming increasingly important. As an industrial design graduate you can work in different places. For example, for a manufacturer of consumer products, a design agency, a consultancy firm, governmental or semi-public organizations, or as an independent entrepreneur.



MARK SWANENBERG

”
YOUR CREATION
COMES TO LIFE IN
THIS PROGRAMME
”

UNIVERSITY OF TWENTE
INDUSTRIAL DESIGN

ADMISSION REQUIREMENTS



✓ CERTIFICATE EQUIVALENT TO DUTCH VVO (E.G. BRITISH A-LEVELS, INTERNATIONAL BACCALAUREATE)

✓ ENGLISH (CEFR, B2/C1 LEVEL; IELTS 6.0; TOEFL 80 OR CAMBRIDGE CAE)

✓ MATHEMATICS, PHYSICS

FIND OUT MORE AT [UTWENTE.NL/GO/ID-EN](https://www.utwente.nl/go/id-en)

ENGLISH-TAUGHT

INDUSTRIAL ENGINEERING & MANAGEMENT

In our English-taught Bachelor's programme in **Industrial Engineering and Management**, you'll learn how to use business administration models and methods to systematically analyse the strengths and weaknesses of businesses or organizations and to implement improvements. You'll learn how to make companies and business processes more efficient, maximize profits, reduce risk and improve quality and competitiveness. You'll also learn how to effectively implement changes and assess their impact on staff, finances and market position. In doing this, you'll combine your knowledge of business administration, ICT, mathematics and engineering.

WORK ON REAL PROBLEMS

Our Bachelor's programme focuses on several sectors, particularly industry, transport, healthcare and finance. What makes our programme unique is its project-based education. During internships and graduation projects, you'll work in a scientific way on current issues faced by prominent companies in these sectors. In ten-week modules you'll carry out practical team projects, solving real-life problems. The programme also offers other great benefits. For instance, many students make use of the opportunity to study abroad for six months or to go on an international internship.

PLENTY OF ROOM FOR PERSONAL CHOICES

After the Bachelor's programme you have direct access to our two-year, TOP-rated, English-taught Master's programme in Industrial Engineering & Management. You can choose from three specializations: Financial Engineering and Management; Health Care Technology and Management; and Production and Logistic Management.

A WIDE RANGE OF EXCITING JOB OPPORTUNITIES

There's always a demand for IEM professionals, even in times of economic downturn. Does a job as production manager at Unilever sound good to you? Or do you see yourself working as a financial analyst at Philips? If you're interested in healthcare, you might make a great operational supervisor at a hospital. These are just some examples of the possibilities open to you with this degree. No matter what you choose, as an IEM professional from the University of Twente you can link technological solutions to societal issues like no one else. High Tech Human Touch!



BAS HOTTENHUIS

”
**THE COMBINATION
 OF ENGINEERING AND
 BUSINESS SEALED THE
 DEAL FOR ME**
 ”

UNIVERSITY OF TWENTE
INDUSTRIAL ENGINEERING & MANAGEMENT

ADMISSION REQUIREMENTS



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

FIND OUT MORE AT [UTWENTE.NL/GO/IEM-EN](https://utwente.nl/go/iem-en)

INTERNATIONAL BUSINESS ADMINISTRATION

Are you curious and do you enjoy leading the way? Are you a team player with a strong sense of responsibility? Then **International Business Administration** may be the right choice for you. During this English-taught Bachelor's programme you will familiarize yourself with the (international) corporate world, with a focus on entrepreneurship and innovation. In the second half of the programme you can deepen and broaden your knowledge and skills with elective modules, minors and exchange programmes. Meanwhile, you will be constantly honing your international skills, as many of our students and lecturers are from abroad and we also expect you to spend some of your study time abroad.

FOCUS ON ENTREPRENEURSHIP AND SOCIAL AND TECHNOLOGICAL INNOVATION

What is unique about our programme is that we look at entrepreneurship in the broadest sense of the word: from developing radical new products and services to improving the purchasing process, financial management or human resources policies. An added bonus is that on that our campus you are surrounded by the latest (technological) developments, ideas and innovations. This will give you an edge in exploring ways in which companies can effectively use all that technology. In the International Business Administration programme you learn to think sharp, like a designer. For example, you will know how to successfully market a high-tech innovation without getting caught up in the latest hype.

EXCELLENT INTERNATIONAL POSSIBILITIES

This Bachelor's programme will give you a head start in your career with excellent prospects at home and abroad. Many of our graduates enter the Master's programme Business Administration, specializing in Entrepreneurship, Innovation & Strategy; Financial Management; Human Resource Management; International Management; Purchasing & Supply Management; or Strategic Marketing & Digital Business. After finishing your studies you can join any of a broad range of companies – from start-ups to multinationals, as well as non-profits, government agencies or scientific institutions. Another option, of course, is to become an entrepreneur.



CHYNNA WAN

”
IBA GIVES YOU A BROAD KNOWLEDGE BASE THAT YOU CAN CONFIDENTLY DRAW ON IN ANY PRACTICAL CONTEXT. IT OPENS UP A WORLD OF POSSIBILITIES
”

UNIVERSITY OF TWENTE INTERNATIONAL BUSINESS ADMINISTRATION

ADMISSION REQUIREMENTS



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

FIND OUT MORE AT [UTWENTE.NL/GO/IBA-EN](https://utwente.nl/go/iba-en)



MANAGEMENT, SOCIETY & TECHNOLOGY

As more and more devices and systems are connected, what will be left of privacy? How can governments use Big Data to fight crime? How can we use identification techniques to manage migration flows, or use sensors to support public health? Questions like these show how public management and technology are becoming increasingly intertwined. Do you want to serve the public interest by working on the cutting edge of these two fields? Then our English-taught Bachelor's programme **Management, Society & Technology** may be the right choice for you.

POLICY AND MANAGEMENT IN A HIGH-TECH FUTURE

The world is rapidly changing. New technologies, population growth and other forces are creating new opportunities as well as tough challenges, such as climate change, the energy transition, financial instability, migration and terrorism. All of these complex problems have one thing in common: in each of them, technology plays an increasingly crucial role. More than ever, this means that leaders, policy makers and public managers need a solid foundation in technology. This will give them a better understanding of today's issues and help them design more effective solutions. That is exactly what this English-taught Bachelor's programme is all about: you will learn to contribute to the public wellbeing by combining technology and management.

BECOME A (RE)DESIGNER OF TOMORROW'S SOCIETY

During this programme you will become an expert in the interaction between technology, social developments and public leadership. You will get familiar with modern public administration and with the technological possibilities of our time, such as Big Data, identification techniques or the Internet of Things. You will develop a broad, cross-disciplinary outlook on societal challenges and acquire the skills to effectively tackle them. You can use your knowledge and insight in fields such as security, healthcare or economic and ecological sustainability. As a technologically knowledgeable public manager you might design problem-solving laws and policies, link complex problems to technical possibilities, or mobilize people for societal change. You will become a designer, or re-designer, of tomorrow's society.



ROBIN BRUCK

”
IN MY VIEW, IT'S ALMOST IMPOSSIBLE TO BE EFFECTIVE IN PRESENT-DAY PUBLIC ADMINISTRATION WITHOUT A SOLID UNDERSTANDING OF TECHNOLOGY
 ”

UNIVERSITY OF TWENTE
MANAGEMENT, SOCIETY & TECHNOLOGY

ADMISSION REQUIREMENTS



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

FIND OUT MORE AT [UTWENTE.NL/GO/MST](https://utwente.nl/go/mst)



MECHANICAL ENGINEERING

Mechanical Engineers get a kick out of solving problems. They enjoy the challenge of coming up with a technical solution for a real-world problem and of pushing the boundaries of what is technically feasible. Mechanical engineering is the broadest of engineering disciplines. In our English-taught Bachelor's programme in **Mechanical Engineering** you'll be equipped to make a vital contribution to new technologies impacting our everyday lives in many ways.

ALWAYS FOCUSED ON HIGH TECH SOLUTIONS

During this programme you'll learn to devise, design and build new products. These can be small appliances – such as a robotic arm for the production of car parts – as well as large installations, such as a power plant. Mechanical engineers can also be involved in servicing and optimizing existing equipment, for example, improving a production process or further developing 3D-printing. You're always searching for high tech solutions for industrial and societal issues. Your courses will include mechanics, dynamics, energy and thermodynamics, production techniques, material science, aerodynamics and automation. Of course, an interest in physics and mathematics is an asset!

REAL-WORLD APPLICATION

In this programme you'll learn how to convert in-depth fundamental knowledge into practical solutions. At the University of Twente we help you make this step through intensive team projects. Together with a group of fellow students, you'll experience every stage of the process, from devising and designing up to – in some cases – building a working prototype.

IN HIGH DEMAND ON THE JOB MARKET

When you graduate, your chances on the job market are excellent. For example, you can work for an engineering firm or a research institute, in machine and equipment building, or in the automotive, aircraft or electro technical industries. The possibilities for going on to complete a Master's programme are also excellent. Of course, you can choose one of the Mechanical Engineering disciplines, but you can also specialize in other areas, such as Biomedical Engineering, Electrical Engineering, Civil Engineering or Sustainable Energy Technology. In short, with this multi-faceted degree, the world is your oyster.



MIRJAM BOS

”
IN THE END I OPTED FOR MECHANICAL ENGINEERING, BECAUSE IT OFFERS A BROAD TECHNICAL BASIS, A LOT OF JOB OPPORTUNITIES AND A GREAT PRACTICAL ANGLE
 ”

UNIVERSITY OF TWENTE MECHANICAL ENGINEERING

ADMISSION REQUIREMENTS



- ✓ 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

FIND OUT MORE AT [UTWENTE.NL/GO/ME-EN](https://utwente.nl/go/me-en)



PSYCHOLOGY

Nothing is quite as fascinating as human behaviour, what causes it and how it can be influenced. If you feel the same, our English-taught Bachelor's programme in **Psychology** may be the right choice for you. You'll get acquainted with the most important fields of psychology and learn how to observe, explain, predict, and influence both normal and deviant behaviour. You'll also have the benefit of studying in a high-tech environment.

A UNIQUE PSYCHOLOGY PROGRAMME

Unlike many other Psychology programmes in the Netherlands, we focus as much on the theory as on the practical side of psychology. At the UT, you'll learn how to systematically analyse psychological problems and design creative behaviour modification solutions. As a university known for its technical studies, we think it's only natural that you also learn to combine your knowledge of psychology with thinking about how to design new technologies, such as social robots and smart information systems. This is why we place a strong emphasis on media and technological innovations: smartphone apps that you can use to warn people about dangerous situations, or new Internet therapy methods. You don't have to be a hard-core sciences or IT student to benefit from this kind of knowledge on the job market. Our programme is also small-scale, with lots of teaching and challenges in small groups. Students and teachers work together in a pleasant, informal environment.

YOUR FUTURE: HEALTHCARE, GOVERNMENT, BUSINESS, TECHNOLOGY OR...?

Wherever there are people, you can make your contribution as a psychologist: as a behavioural scientist in the police force, as a psychologist in the military or as a government advisor. You could work in the mental healthcare sector as a (basic) psychologist, for instance in a hospital or at a rehabilitation centre. You can also become a researcher, policy officer or coordinator at a healthcare institution. If research is more up your street, you can join a university or research institute as a PhD student or researcher. Or you can help develop teaching strategies in the non-profit or commercial sector. Even the (international) business world welcomes psychology graduates, for example as usability experts. In short, there are plenty of opportunities!



YARA LEVTOVA

”
**THE WIDE RANGE OF
 DOMAINS IN WHICH YOU
 CAN PUT PSYCHOLOGY TO
 USE IS REALLY EXCITING**
 ”

UNIVERSITY OF TWENTE
PSYCHOLOGY

ADMISSION REQUIREMENTS



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

FIND OUT MORE AT [UTWENTE.NL/GO/PSY-EN](https://utwente.nl/go/psy-en)



ENGLISH-TAUGHT

TECHNICAL COMPUTER SCIENCE

In a world in which the use of information technology keeps growing exponentially, our international, English-taught Bachelor's programme in **Technical Computer Science** is as relevant as ever. With more and more devices and organizations depending on effective, streamlined tools for exchanging, processing and storing information, this programme will open doors for you that will remain closed to others.

COMPUTERS, THE INTERNET, ROBOTS AND PEOPLE

Technical Computer Science is a challenging field of study that focuses on information and systems. For instance, think of automated searches through vast amounts of data. During this programme you'll not only be occupied with computers and the Internet: you'll also learn how people and systems – such as robots – interact. You'll become familiar with fundamental concepts and learn to apply them to basically anything that might occupy people, from transportation and business, to health, environment, politics or leisure time. Themes you'll come across will range from computer security and programming to wireless or mobile networks and the development of social robots. A unique feature of our education is that we divide our programme into modules, in which projects play a pivotal role. So you'll often find yourself applying what you just learned to real-world problems.

MANY WIDE-RANGING JOB OPPORTUNITIES

Many employers on the job market will be ready to roll out the red carpet for you, particularly if you follow up this programme with a Master's in Computer Science in the area of Cyber Security, Data Science & Technology or Software Technology. Another option is a Master's degree in Interaction Technology, Internet Science & Technology, Business Information Technology or Embedded Systems. As a graduate you might join a renowned IT company. Or you may prefer to work for a small startup, perhaps even your own. There's a lot of demand for people with an understanding of information technology in areas like healthcare, transport, financial institutions and in the creative industries. All of these sectors need people who can use technology to solve problems, while also being capable of organizing the available solutions and placing them in the right context.



JULIK KEIJER

”
TECHNICAL COMPUTER SCIENCE OFFERS AN ENDLESS ARRAY OF POSSIBLE APPLICATION AREAS
”

UNIVERSITY OF TWENTE
TECHNICAL COMPUTER SCIENCE

ADMISSION REQUIREMENTS



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

FIND OUT MORE AT [UTWENTE.NL/GO/CS-EN](https://utwente.nl/go/cs-en)



TECHNICAL MEDICINE

Healthcare is rapidly changing and gaining complexity. The use of technology is increasing and new innovations are everywhere. Current developments in healthcare require specialists with knowledge and skills of both medicine and technology, which they can use to improve healthcare for individual patients. Our Dutch-taught Bachelor's programme **Technical Medicine*** will help you to become such a professional.

A FULL-FLEDGED DISCIPLINE WITHIN THE HEALTHCARE SECTOR

As a technical physician you are the linking pin between medicine and technology. In this programme you will learn to apply existing technology in innovative ways in order to optimize diagnostics and treatment methods. This Bachelor's programme was designed at the University of Twente and was the first of its kind in the whole world. Since its introduction, Technical Medicine has gained recognition as a new, full-fledged discipline in Dutch healthcare. Its acknowledgement was accelerated by the fact that the competencies belonging to this new group of professionals have been officially recognized by the government and that graduates are qualified to treat patients independently.

FURTHER STUDIES AFTER YOUR BACHELOR'S

After the Bachelor's programme you can enter our three-year Master's programme Technical Medicine, thus completing your training in Technical Medicine. You can also transfer to one of the other Master's programmes in the UT's 'Health cluster'.

AT WORK AT A HOSPITAL

Technical Medicine is a relatively new profession. You treat patients using new technologies. Healthcare organizations are very keen for people with these skills. All our graduates so far have found high-level jobs within a few months of graduating, mostly in academic or top clinical hospitals. As a technical physician you will be part of a medical treatment team at a hospital, treating your own patients. Many graduates specialize by getting a PhD or completing a fellowship.

Please note :

- » the programme is called *Klinische Technologie (50033)* in Studielink.
- » there is a selection procedure for this programme. You can sign up for it until 15 January 2019.



MANOUK RAMSELAAR

”
BY COMBINING MY UNDERSTANDING OF MEDICAL TECHNOLOGY AND OF THE HUMAN BODY, I CAN CONTRIBUTE TO BETTER DIAGNOSTICS AND TREATMENTS FOR PATIENTS
 ”

UNIVERSITY OF TWENTE
TECHNICAL MEDICINE

ADMISSION REQUIREMENTS



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.

FIND OUT MORE AT [UTWENTE.NL/GO/TM-EN](https://utwente.nl/go/tm-en)

PRACTICAL INFORMATION

This brochure will have given you an idea of what the University of Twente has to offer you. In this final section, we've laid 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 utwente.nl/go/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 in this brochure. For questions about diplomas, please contact our Admission Office at utwente.nl/admissionoffice

ADMISSION REQUIREMENTS

At the UT there's one programme with additional admission requirements: **University College Twente (ATLAS)**. University College Twente has a selection procedure. The goal is to determine whether or not you and the programme are a good fit. In order to participate in the selection you must have above-average marks in English, Mathematics and Physics, or a similar science subject. More details: utwente.nl/go/atlas-en

ENROLMENT

You first need to enrol for your programme online using [Studielink.nl](https://studielink.nl). For every programme featured on utwente.nl/bachelor/en 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 a registration package by mail so that you can finalize your registration. You can read more about how to enrol further down.

MATCHING

Because we think it's important that you choose a programme that suits you, we offer different matching activities before you start. At the University of Twente the matching activities are different for each programme. For some programmes participation is mandatory, for others it's not.

More details: utwente.nl/bachelor/en

NEED A PREPARATORY YEAR?

If, as an international student, you do not meet the requirements for direct entry to one of our English-taught BSc programmes, we have an alternative for you. Navitas (navitas.com) offers you the possibility of a 'foundation year'. This one-year programme combines academic study, English language training and study skills to prepare you for degree-level study. The application deadline is 15 July.

More details: utwente.nl/go/foundation-year

APPLICATION DEADLINES

Below are the general deadlines for applications. Please note that some programmes (Psychology and Technical Medicine) have different deadlines! More details: utwente.nl/go/deadlines

VISA STUDENTS

- » Completed application form: before **1 May**
- » Bachelor Offer of Admission deadline: before **1 June**
- » Visa application: before **1 July**

NON-VISA STUDENTS

(including Dutch nationals with foreign diplomas)

- » Completed application form: before **1 July**
- » Bachelor Offer of Admission deadline: before **1 August**

AFTER THE FIRST YEAR

In your first year you'll find out whether the programme you've chosen suits you and whether you're up to the challenge. At the end of the year we give all of our students a binding recommendation (in Dutch: BSA, or bindend studieadvies) as to whether or not you're to proceed with the programme. Normally, you'll get a positive recommendation if you have scored at least 45 of 60 EC – and in some programmes, 60 out of 60. A negative recommendation means you'll not be able to continue. This procedure is aimed at getting everyone in the right place as quickly as possible.

More details: utwente.nl/go/binding-recommendation

COUNSELLING & ADVICE

At the UT we want to share in the responsibility for your development and wellbeing. That is why we provide thorough and personal guidance and counselling services. For instance, in the areas of study choices, study progress, regulations, finance and study delays. We are also available to help you out with personal problems that may affect your progress. Depending on your situation, we'll connect with specialists able to help you.

More details: utwente.nl/go/counselling

CODE OF CONDUCT

The University of Twente is a co-signatory of the Code of Conduct for International Students in Dutch Higher Education. For information about the code (and the complaints procedure), consult internationalstudy.nl/go/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. Our International Office will contact you after your admission and guide you through all the required visa and residence procedures. They can also help you arrange health liability insurances.

INTERNATIONAL STUDENT ASSOCIATIONS

As an international student, you'll soon feel quite at home at the UT. We have a strong network of student-run associations that bring students together for academic activities, sports and recreation – and several of them are specially geared to international students.

Three of the larger international student associations are active on our campus:

- » AIESEC, the largest student-run organization in the world: aeisec.nl
- » AEGEE-Enschede, part of Europe's largest student network: aegee.org
- » ESN, or Erasmus Student Network: esn.org

The UT is also home to international student associations such as:

- » PPIE, the Indonesian Student Association in Enschede
- » LA Voz, the Latin American student association
- » ISA, the Indian Student Association

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.

BACHELOR TUITION FEES PER YEAR

NATIONALITY	TUITION FEES PER YEAR	ATLAS STUDENTS
EU/EEA nationalities	€ 2,078*	€ 4,156
Non-EU/EEA nationalities	€ 9,000 or € 10,500**	€ 13,156

* first year, first time students will pay 50%, for the first year

** depending on the programme

TUITION FEES PER YEAR FOR REGULAR MASTER'S PROGRAMMES

NATIONALITY	DURATION OF MSC PROGRAMME	TUITION FEES PER YEAR
EU/EEA nationalities	1 and 2 years	€ 2,078
Non-EU/EEA nationalities	1 year	€ 12,000
Non-EU/EEA nationalities	2 years	€ 15,750

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), living the student life will cost you, on average, about eleven hundred 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

Tuition	€ 173
Rent (this cost is generally lower in Enschede)	€ 366
Shopping	€ 161
Textbooks	€ 57
Transport (on top of an ov train card)	€ 55
Recreation, going out, sport	€ 144
Shoes and clothing	€ 47
Medical insurance	€ 97
Telephone	€ 26

Total average per month

€ 1,126

CHECK THE SCHOLARSHIP FINDER

As an international student coming to the University of Twente, you may be eligible for a scholarship. There are various organizations that provide scholarships. Find out more by checking the Scholarship Finder on our website at utwente.nl/go/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 duo.nl/particulier/international-student



- > BEAUTIFUL PARK-LIKE CAMPUS WITH ALL THE FACILITIES YOU NEED
- > MOST ENTREPRENEURIAL UNIVERSITY IN THE NETHERLANDS
- > A HIGHLY INTERNATIONAL COMMUNITY & PROFILE
- > STATE-OF-THE-ART EDUCATION LINKED TO CUTTING-EDGE RESEARCH
- > 'HIGH TECH HUMAN TOUCH' APPROACH
- > BASED IN ENSCHEDE, THE NETHERLANDS
- > 1.5 HOURS FROM AMSTERDAM
- > A CITY-HOP FROM PARIS, LONDON OR BERLIN

UTWENTE.NL

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DISCLAIMER

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GET A TASTE OF YOUR FUTURE AT THE UNIVERSITY OF TWENTE.

Go to utwente.nl/go/information-en for more information and to sign up for one of our orientation activities:

- » Open Days on campus
- » Online Open Days
- » Student for a day
- » Webinars

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NL-7522 NB Enschede
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