A modern science laboratory with a curved projection screen displaying a 3D architectural model of a building. Two students are seated at a table in front of the screen, looking at tablets. The room has a high ceiling with exposed pipes and colorful lighting (green and red).

**UNIVERSITY
OF EYE-OPENING
SCIENCE.**

**BACHELOR OF
SCIENCE DEGREE
PROGRAMMES**

ACADEMIC YEAR 2016 - 2017

**UNIVERSITY
OF TWENTE.**

MAP OF EUROPE

7 HOURS 30 MINUTES €95
8 HOURS 30 MINUTES €60
(AMSTERDAM) 1 HOUR
10 MINUTES €35 (EASYJET)

LONDON

AMSTERDAM
2 HOURS €25
2 HOURS €21

ENSCHEDÉ

5 HOURS 15 MINUTES €75
4 HOURS 30 MINUTES €45
(AMSTERDAM) 1 HOUR 30 MINUTES €70 (EASYJET)

BERLIN

*Outside the crowded urban areas
in the west of the Netherlands,
Enschede is safe, green, easy-to-
reach, and located centrally
between major European capitals*

6 HOURS €90
5 HOURS 40 MINUTES €80
(AMSTERDAM) 1 HOUR 15 MINUTES €100 (KLM)

PARIS

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The University of Twente (UT) has over the past fifty years grown to become one of the world's leading universities. It performs cutting-edge work in developing new technologies and also places a particular focus on the resulting impact for humanity and society. The 9,614 students and 2,948 members of the university staff develop not only pioneering technologies, but also combine them with behavioural research, social sciences and economics. An interdisciplinary approach that makes the University of Twente different from other universities – and that makes its graduates the problem-solvers of the future. As an expression of our growing international reach, we will conduct all our Bachelor programmes in English from this year forward. Please keep an eye on our website utwente.nl/go/bachelor for up-to-date information.

THE TWENTE PHILOSOPHY: HIGH TECH, HUMAN TOUCH

The University of Twente engages in teaching and research in the conviction that important innovations can only be driven forward in an interdisciplinary environment. The latest developments in nanotechnology are to be found in areas in which physicists and chemists collaborate. In developing new media, computer scientists rely on know-how provided by psychologists. And for high-tech applications like rehab robots or intelligent cars, engineers are needed just as much as business experts who know how to market new products. The interactions taking place between the new technologies and society are another exciting field of research. Interdisciplinary thinking has the highest priority in Twente.



INTRODUCING THE

UNIVERSITY OF TWENTE

FOUNDED IN

1961





FACULTIES:

- BEHAVIOURAL, MANAGEMENT & SOCIAL SCIENCES
- ENGINEERING TECHNOLOGY
- ELECTRICAL ENGINEERING, MATHEMATICS AND COMPUTER SCIENCE
- SCIENCE AND TECHNOLOGY
- INTERNATIONAL INSTITUTE FOR GEO-INFORMATION SCIENCE AND EARTH OBSERVATION

20

BACHELORS

36

MASTERS

9614

STUDENTS
23% INTERNATIONAL

900

SPIN-OFF
COMPANIES



UNIVERSITY OF
TECHNOLOGY
AND SOCIETY.



CAMPUS LIFE



Benedetta Cervone, Creative Technology student. 'I live on the university campus. I really like the atmosphere here, living with students, being surrounded by students and green fields. And of course I love living so close to my classes, the sports facilities and the supermarket. **Everything I need on a daily basis is right here on campus.** I never have to waste time travelling. Studying at a campus university, where everything is so convenient and accessible, somehow makes me feel like I am always "at home". You might think that finding the motivation and concentration to study when you're surrounded by other students might be hard but it's actually very easy to find a place to study, either alone or together. **In an environment like this, it's very easy to motivate each other to work.'**

CITY LIVING, CAMPUS LIFE

The University of Twente's International Office helps international students find accommodation on and off campus. You will receive a link to the online housing application form after admission.

You can also look for accommodation on campus or in Enschede independently. Here are a few useful links to help you on your way:

- acasa.nl
- sjht.nl
- studentunion.utwente.nl/kamers
- kamernet.nl

Make sure you start looking in plenty of time, as there are lots of students searching for a place to live at the start of the new academic year!





DUTCH WAY OF LIFE

I have lived in the Netherlands for four years now and I really like the Dutch way of life, from being able to go everywhere by bike to the mixture of accessibility and respect that characterizes the student-professor relationship. Another thing that made me want to study at the University of Twente and live on campus is the combination of being surrounded by nature and yet so close to facilities like the gym and the university library, lecture halls and labs: it's not something you find everywhere. Last – but not least! – I also decided to come to Twente because of the courses it offers. Enschede could well be the biggest city I have lived in so far and that scared me beforehand, but once you're here it doesn't seem all that big. I really enjoy the centre with all the bars in the Oude Markt and the shops on Van Heekplein. It is very student-oriented too. As a student, I used to feel that people sometimes looked down on you or didn't take you seriously enough - but here it's the opposite! Overall, I can't think of anything negative to say about Enschede. It's very *gezellig* and, as I learned from the Dutch, that's all that matters! I usually go to the city to shop at the market on Saturday morning. It's incredible how the Van Heekplein transforms on Saturdays and Tuesdays: this big, empty, almost futuristic square jumps back in time and becomes a typical farmers' market, filled with all these different colours, scents, tastes and voices! In the evening, I usually go to the Oude Markt for a drink, especially on Thursday nights when all the students are out and about!

COST OF LIVING

To give you an estimate of what living in Enschede costs, we have provided an indication of an average annual student budget. Please note that this estimate does not include tuition fees. No rights can be derived from the information below.

	Non-EEA	EEA
Housing	€ 4,800	€ 4,800
Books & supplies	€ 500	€ 500
Insurance	€ 475	*
Visa	€ 304	NONE
Bank account	€ 50	€ 50
Food	€ 2,100	€ 2,100
Transportation	€ 600	€ 600
Other (clothing etc.)	€ 500	€ 500
Bicycle	€ 125	€ 125
Total	€ 9,454	€ 8,675

* Insurance costs for students from the EEA will depend on the policies of insurance companies in their home country. EEA students can opt for additional insurance of € 10-25 per month. This insurance covers costs of medical care, liability, household contents and luggage, legal aid and extra costs. For more information, contact the International Office.

LIVING IN THE NETHERLANDS

The Netherlands is known for its capital city, Amsterdam, as much as for its **bikes, dikes and tolerance**. But what is it really like to study in this small country in north-west Europe? And what secrets are there to discover in our **university city, Enschede**?

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 and the Dutch education system is interactive with an exceptional focus on teamwork and independent, proactive thinking.



MOST DUTCH PEOPLE UNDERSTAND ENGLISH

The Netherlands is a small country and home to almost 17 million people. Many European capitals are within easy reach: Brussels is two hours away by train and a short flight from Amsterdam will take you to London, Paris, Madrid or Berlin. Most Dutch people speak, or understand, English. Public transport is well-organized and safe. To travel the Dutch way, of course, get a bicycle (we actually have more bikes than people in the Netherlands). During the introduction days for international students we will help you buy your very own bike.

INTERNATIONAL STUDENT ASSOCIATIONS

All Dutch universities have their own network of student-run associations that bring students together for academic activities, sports and recreation. Three of the larger international ones are active at the University of Twente: AIESEC, AEGEE and the Erasmus Student Network (ESN). UniTe is our own student platform for internationalization and integration. These associations will assist you with everyday situations and help you settle in and make friends.

utwente.nl/go/associations
aiesec.nl
esn.org
aegee.org





ENSCHEDÉ

THE HEART AND SOUL OF STUDENT LIFE

Colourful weekly markets, friendly bars and bustling shopping streets are all part of life in Enschede. Just like its well-tended parks and historic facades, behind which many a museum or theatre is tucked away. But it's Enschede's student population that gives the city its unique flair, as they bike to their classes, read their books on the banks of Lake Rutbeek or make merry in the pubs of the Old Market.

A STUDENT CITY TO CALL HOME

Enschede just wouldn't be the same without its students. Hardly surprising when you consider that almost a third of the town's 158,000 inhabitants is living the student life. This border town is home to no less than three higher education institutions: the University of Twente, Saxion University of Applied Sciences and the ArtEZ Institute of the Arts. The centre of student life is undoubtedly the University of Twente campus, with its modern buildings, laboratories, student residences, sports centres, bars, restaurants and theatre. Here you can hear languages from all over the world but settling in and making new friends couldn't be easier, thanks to the university's compact layout and the wide range of leisure activities on offer in the city.

SOOTHING GREEN SPACES

Prefer to take it easy and tune in to the sound of birdsong? No problem. Enschede is one of the greenest cities in the Netherlands. Kick back and relax in one of its many parks, head out into the country, just a short bike ride or walk away. There's a 52-kilometre walking and cycling route running right through the city's green belt. Sun seekers, watersports fans and anyone who wants to escape his/her desk for a while should make a beeline for Lake Rutbeek, where you can swim, surf, study or idle away the hours to your heart's content.



NOT TO BE MISSED:

BATAVIEREN RACE

In the spring, about 7,500 students take part in the Batavieren Race, the largest relay race in the world. The participants run from Nijmegen to Enschede in 25 stages. In time-honoured tradition, the race ends with a massive student party.

GREEN VIBRATIONS

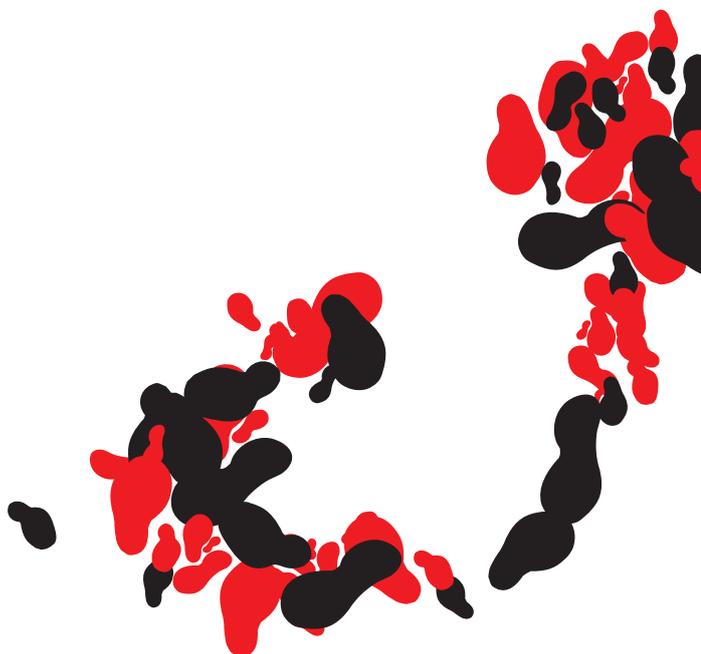
Every year on Ascension Day, the University of Twente campus plays host to the Green Vibrations festival. Festival-goers dance all day and into the evening to the music of local bands and DJs. The revels are followed by an afterparty in the Vesting Bar, right next door to the festival site.

FRESHTIVAL

Sun, water and beach and a whole lot of music. At the end of May, the banks of Lake Rutbeek regularly become the stage for the big Freshtival with international bands and DJs from the hardstyle, techno and house genres.

ENSCHEDÉ HORSE TRIALS

Attention equestrian lovers – in the second week of October, Enschede annually plays host to top international riders at one of the world's biggest horse trials. Close to the course is a shopping village with a variety of stalls that are perfect for browsing and strolling.



FACTS AND FIGURES 2014

<p>9614 STUDENTS</p>	<p>2241 INTERNATIONAL STUDENTS (27% non-EER, 73% EER)</p>	<p>5627 BACHELOR'S STUDENTS (22% international, 78% Dutch)</p>	<p>3987 MASTER'S STUDENTS (26% international, 74% Dutch)</p>	<p>2948 EMPLOYEES (59% academic staff, 41% support staff)</p>
<p>18 CULTURAL SOCIETIES</p>	<p>39 SPORTS SOCIETIES</p>	<p>146^{HA} SURFACE AREA</p>	<p>2125 ACCOMMODATION FOR STUDENTS</p>	<p>40000 NUMBER OF ALUMNI</p>



MASTER'S DEGREES PROGRAMMES

- APPLIED MATHEMATICS
- APPLIED PHYSICS
- BIOMEDICAL ENGINEERING
- BUSINESS ADMINISTRATION
- BUSINESS INFORMATION TECHNOLOGY
- CHEMICAL ENGINEERING
- CIVIL ENGINEERING AND MANAGEMENT
- COMMUNICATION STUDIES
- COMPUTER SCIENCE
- CONSTRUCTION MANAGEMENT AND ENGINEERING
- EDUCATIONAL SCIENCE AND TECHNOLOGY
- ELECTRICAL ENGINEERING
- EMBEDDED SYSTEMS
- ENVIRONMENTAL ENERGY MANAGEMENT
- EUROPEAN STUDIES
- GEO-INFORMATION SCIENCE AND EARTH OBSERVATION
- GEOGRAPHICAL INFORMATION MANAGEMENT AND APPLICATIONS
- HEALTH SCIENCES
- HUMAN MEDIA INTERACTION

- INDUSTRIAL DESIGN ENGINEERING
- INDUSTRIAL ENGINEERING AND MANAGEMENT
- MECHANICAL ENGINEERING
- NANOTECHNOLOGY
- PHILOSOPHY OF SCIENCE, TECHNOLOGY AND SOCIETY
- PSYCHOLOGY
- PUBLIC ADMINISTRATION
- SCIENCE EDUCATION AND COMMUNICATION
- SUSTAINABLE ENERGY TECHNOLOGY
- SYSTEMS AND CONTROL
- TEACHING IN SOCIAL SCIENCES
- TECHNICAL MEDICINE
- TELEMATICS
- WATER TECHNOLOGY

THE TWENTE EDUCATIONAL MODEL



Yannik Thielemeier, Germany, International Business

Administration student. 'In my view, the Twente Educational Model is a good way of encouraging students to make the most of their studies. It's a sound concept: the subjects are linked to projects. It has taught me a great deal about how to put theory into practice.'

THE TWENTE EDUCATIONAL MODEL

Examining a topic intensively from all sides for a period of ten weeks. Gaining knowledge in lectures and seminars that one can then transfer directly to one's own projects. Together with others, develop ideas and things that really do advance society and technological progress. It's what Yannik particularly likes about the Twente Educational Model, also known as TEM. He has been studying International Business Administration for the past year and is learning in the typical Twente way.



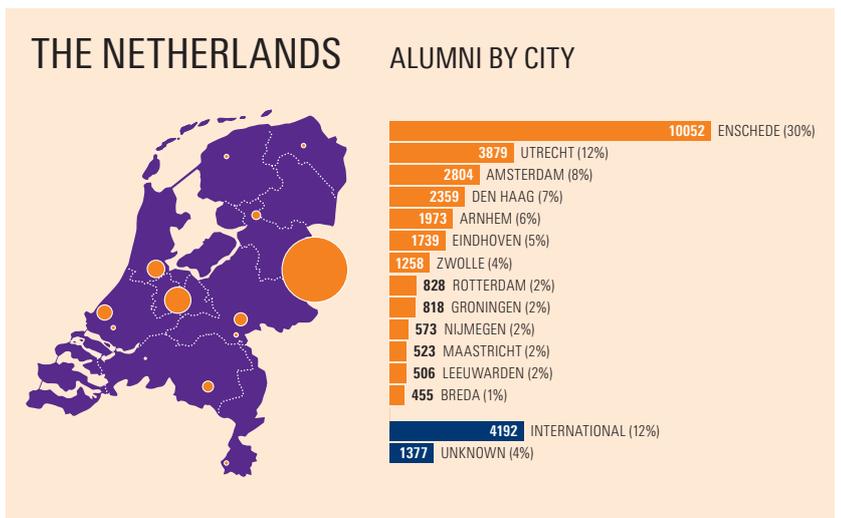
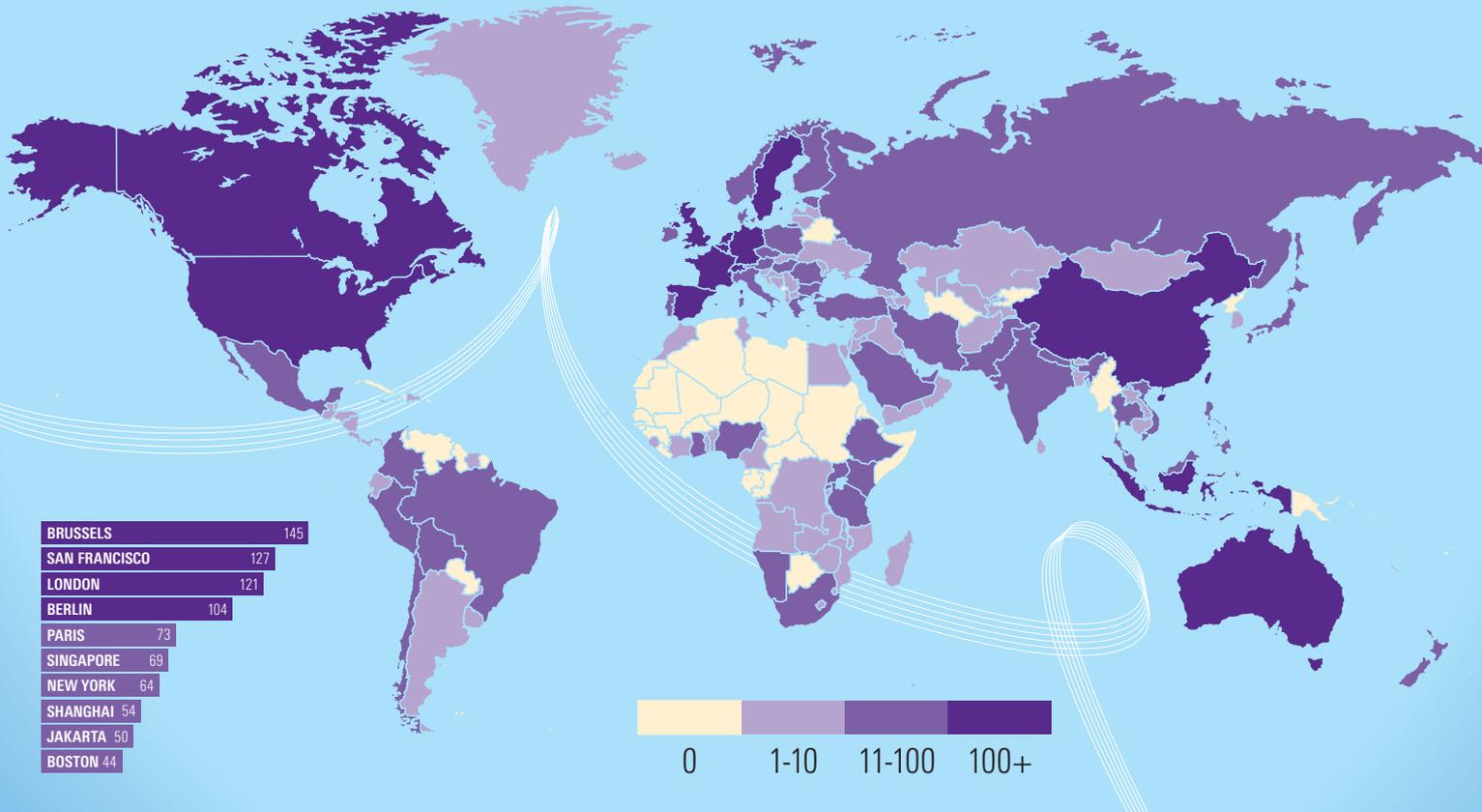
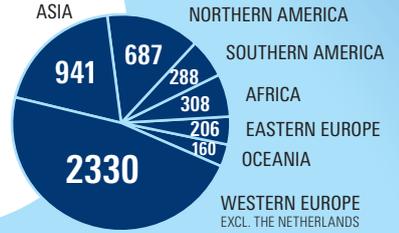
Projects in every module really help you understand the reason for learning all that theory. It's hard work though. There are regular assessments in addition to classes and on top of that you have group projects and an individual project to complete. In the third module we tackled accounting, finance, statistics and information

systems. The courses and assignments were enjoyable and matched up well with one another. We had to find a company to collaborate with. It turned out to be quite a challenge: not every business jumps for joy at the prospect of working with a bunch of first-year students. But somehow we managed to pull it off!

UNIVERSITY OF INTERNATIONAL SYNERGIES.

OVER 40.000 ALUMNI ACROSS THE WORLD

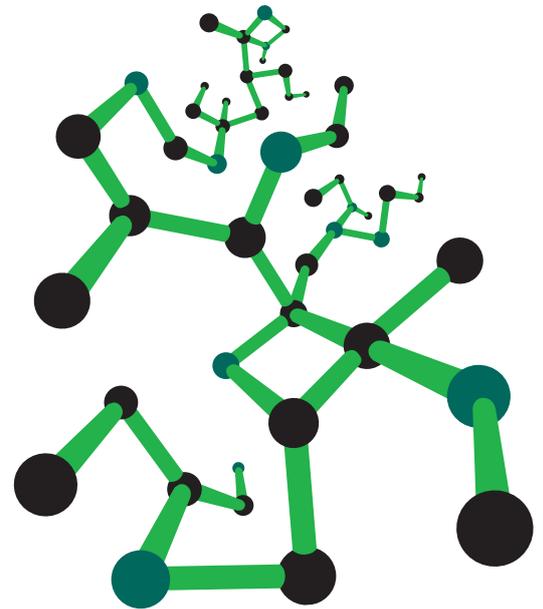
THE NETHERLANDS
27596



COMPANIES WITH 50 OR MORE UT ALUMNI: ACCENTURE, ACHMEA, AKZONOBEL, ASML, ATOS, CAPGEMINI, DSM, FRIESLANDCAMPINA, IBM, ING, KPN, NEDAP, NXP SEMICONDUCTORS, OCÉ, PHILIPS, PRORAIL, RABOBANK, SENSATA TECHNOLOGIES, SHELL, THALES, TNO, TOPICUS

EXCELLENCE

The University of Twente's **Excellence programmes** set extra challenges for outstanding students who combine talent with motivation and entrepreneurial flair, **students who are keen to think outside the box and look beyond the limits of a particular discipline** to find ways to bring their ideas to bear on society. The programmes are **high tech with a human touch**; in other words they **combine technology and the social sciences**.
Curious? Find out more at utwente.nl/go/excellence



UNIVERSITY OF
PROBLEM SOLVERS.

UNIVERSITY COLLEGE TWENTE

In addition to excellence tracks, the University of Twente also has an entire programme designed with outstanding students in mind: University College Twente. Its ATLAS programme, in which ATLAS stands for Academy of Technology and Liberal Arts & Sciences, is **fully dedicated to ambitious students with a broad range of interests and an appetite for a challenge.**

On this Bachelor's programme, you are given the opportunity to establish a broad foundation for your future in both the engineering and the social sciences. Alongside this, you will develop your **creativity, flexibility, leadership and communication skills.** With an ATLAS Bachelor's degree under your belt, you are ready to tackle the most prestigious Master's programmes on offer in the engineering or social sciences, in the Netherlands or abroad.



'I would recommend my course to international students. ATLAS is hard work and a complete change to the way of learning that I was used to but as I've become more used to the course, I'm beginning to get a lot out of it. In my opinion, the skills and breadth of knowledge we obtain here cannot be found anywhere else. The accessibility of the tutors is also a major plus. We work on a daily basis with tutors who are all experts in their fields and so the closeness that we as students have with such a large number of experts who can

guide us is pretty much unique. I would also recommend the university and city. Enschede, where the University of Twente is located, is a relaxing place to be. Nearly all the sports and clubs are accessible (some prefer you to speak Dutch first) and on campus. It's a small place though, so you need to get out and explore the Netherlands. But as the Netherlands is a tiny country, nowhere is over two and a half hours on the train, and, despite what the Dutch say, their trains are cheap.'

DID YOU KNOW?

STUDENTS AT ATLAS WORK IN TEAMS TO SOLVE COMPLEX ISSUES THAT REQUIRE BOTH **SOCIAL AND TECHNICAL** UNDERSTANDING.

ATLAS IS AN INTENSIVE PROGRAMME; STUDENTS WORK APPROXIMATELY **45H PER WEEK**

ADMISSION TO THE PROGRAMME IS BASED ON YOUR **ACADEMIC** BACKGROUND AND MATCH TO THE LEARNING COMMUNITY

RANKING

Universities from all over the world are compared with one another in **international rankings**. While international students attach great importance to these rankings when choosing a course of study, the rankings provide little information about a university's education and facilities. This is why the QS Top University World Ranking has developed a supplement: **QS Stars**. Participating universities are assessed on a series of criteria, including **quality of education, internationalization, innovation and study environment**. Out of a maximum score of five+ stars, the University of Twente earned **five stars**.

QS STARS

QS Stars is a supplement to the existing QS Top University World Ranking. Alongside a position in the ranking, the participating universities are given an extra assessment in the form of a number of stars. The assessment of the participating institutions covers eight aspects: research, education, facilities, internationalization, innovation, preparation for the job market, accessibility for students with a physical handicap or few financial resources, and degree of excellence in a given subject area. The University of Twente scored a maximum of five points for education, research, internationalization, facilities and innovation.

FIVE STARS

QS Stars awarded the University of Twente five stars. This means the university is on a par with such universities as Harvard and Yale. Currently, 150 universities in more than 35 countries participate in the QS Stars ratings.



UP THERE WITH THE BEST

The University of Twente ranks among the top 1% of universities worldwide, according to a range of reputable rankings.



Our university is one of the **top ten research institutes worldwide for technology**, IT support and Internet access, according to I-graduate. In the Leiden Ranking for Dutch universities we were the top university in the Netherlands in 2012. The Times Higher Education Supplement (THES) has ranked us among the top 200 universities worldwide for six years running; in 2014, we came in **at number 170**. Check the table below for more ranking details.

QS WORLD UNIVERSITY RANKINGS

University of Twente's overall ranking in 2014/2015: **212**

TIMES HIGHER EDUCATION RANKINGS (THE)

University of Twente's overall ranking in 2014: **201-225**

CWTS LEIDEN RANKING

University of Twente's overall ranking in 2015: **126**

SHANGHAI RANKING (ARWU)

University of Twente's overall ranking in 2014: **301-400**

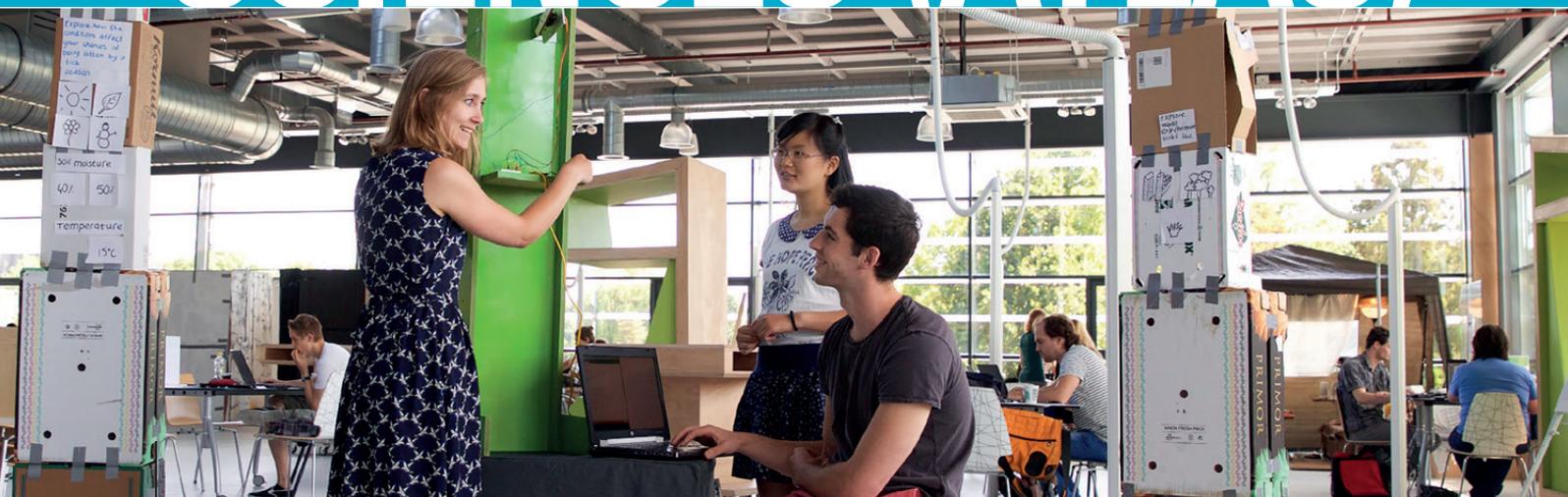
QS STARS

University of Twente's overall ranking in 2014: **Five stars**

SCIENCE WORKS AND ELSEVIER MAGAZINE 2ND VALORIZATION RANKING OF DUTCH UNIVERSITIES

University of Twente's ranking in 2013: **overall winner and top Entrepreneurial University**

TECHNOLOGY AND LIBERAL ARTS & SCIENCES (ATLAS)



UNIVERSITY COLLEGE TWENTE, THE COLLEGE OF DOING THINGS YOUR WAY

At **University College Twente**, learning starts with you. In all courses you choose your own path. Each semester revolves around a key theme. Projects are the basis for your learning. In three years you earn a BSc degree – your ticket to the professional world or to a Master's programme of your choice around the world.

COMBINING TECHNOLOGY AND SOCIETY

University College Twente is the international honours college of the University of Twente. Our Technology and Liberal Arts & Sciences programme, or ATLAS for short, is aimed at students who want to make a difference. Our world has become too complex for solutions that are only technological – or only social. Yet few people understand the challenges our societies face today as well as the latest technologies needed to design relevant solutions. The ATLAS programme is built around challenging problems in society that require both social and technical

perspectives and understanding. ATLAS students don't choose: they combine.

DESIGNING YOUR OWN PROGRAMME

With a curriculum based firmly in mathematics, science, engineering and social sciences, ATLAS prepares multi-faceted problem solvers. ATLAS students are in charge of their own learning thanks to our student-centred educational approach. The first two years at ATLAS are built around semester themes and projects to provide you with the structure you need for planning and developing your learning. Each semester

you'll write your Personal Development Plan with your mentor to help you articulate what you want to learn, and how. At the end of each semester you'll include a proof of your progress in your Self-Evaluation Report and let the panel of lecturers assess your personal growth and admittance to the next semester. In the final year you will study abroad and work on your graduation project. Parallel to your academic path, we encourage you to go above and beyond the curriculum, to follow your passion in a Personal Pursuit that makes up ten percent of the programme.

LIVING AND LEARNING TOGETHER

University College Twente is a residential college. All students live and work together on campus. Your schedule is flexible and intensive. Learning is not confined to the classroom. Working, sports, eating and relaxing together with other students alternate with your interaction with lecturers. This makes University College Twente an engaging and motivating learning environment. A true learning community.

ADMISSION REQUIREMENTS

- Certificate equivalent to Dutch VWO (e.g. British A-levels, International Baccalaureate)
- High final marks in English, Mathematics and one other Science subject
- For non-native English speakers: proof of proficiency in English (IELTS 7.0, TOEFL 1—iBT, Cambridge CPE or Cambridge CAE)

 University of Twente Technology and Liberal Arts & Sciences		Bachelor's, full-time	
	this programme	national average for this programme	
student satisfaction on a scale of 1 to 5	★ 4,5 *****	4,5	4,5 *****
number of first-year students	23	23	23
contact hours in first year number of clock hours scheduled per week	18-24	18-24	18-24
advancement to second year of the programme	83%	83%	83%
bachelor's degree obtained within 4 years of university education	-	-	-
job opportunities work found within 1.5 years of obtaining a master degree	-	-	-

21-05-2015 *Studie in Clifffers* for more info: www.studiekeuze123.nl

Remarks by the Course Management:
 This educational programme started in 2013. These figures therefore reflect on the first two years of programme's existence. Based on a student satisfaction there are few start-up problems. Students appreciate the unique qualities of the programme. The programme combines project-based education with a broad and interdisciplinary curriculum, leaving plenty of space for personal development.



” THE ATLAS PROGRAMME HAS INTRODUCED ME TO A WHOLE NEW WAY OF THINKING ”

“During high school I had no idea about my further education – until I met a student from University College Twente. He told me about the ATLAS programme. The combination of technical and social sciences really appealed to me. Now I can say it is a super university college. Some of the professors do not just teach classes, they introduce you to a whole new way of thinking. They constantly make us analyze our choices, think critically, discuss things together, challenge each other. To me, that is what makes ATLAS stand out from regular Bachelor's programmes. A great example of what we do here is the 'Blue bike project' we did in one of our small groups. It is an exercise in which two cyclists steer a remote controlled car around a racetrack – simply put, an exploration of interactivity, co-operation and competition. In my professional life I would love to work in logistics. When I visited Paris recently, I thought the underground system is annoyingly inefficient. In my hometown Shanghai it is better, but in view of the enormous numbers of people in China, there are improvements to be made there, too. I would love to make a contribution to that.”

Would you like to find out more?
 Check utwente.nl/go/uc-en

SCIENCE AND TECHNOLOGY

CIVIL ENGINEERING



COMBINING TECHNICAL ABILITY WITH 'SOFT SKILLS' TO COMPLETE MAJOR PROJECTS

If you are fascinated by major building projects and systems, such as stadiums, bridges, reservoirs or transport systems, then we can safely say that our Bachelor's programme in **Civil Engineering** is for you. Civil engineers from the University of Twente design, construct and manage infrastructural and other major building projects as well as being responsible for the organizational work that these projects entail. They are men and women who combine technical know-how with outstanding 'soft skills', such as communication, project management and process management.

PROBLEM SOLVING AND TEAMWORK

As a civil engineer, you like to solve problems and work in a team. In our programme, you will become just as familiar with the organizational aspects of major projects as you will with the technical aspects. You will immerse yourself in mathematics, mechanics and materials science, but also in economics, law, traffic engineering, policy processes and project management.

HIGHEST RANKED CIVIL ENGINEERING PROGRAMME IN THE NETHERLANDS

Our Bachelor's programme in Civil Engineering is the highest ranking programme of its kind in the Netherlands, according to *Keuzegids Universiteiten*, the country's only independent assessor of educational programmes. Our programme focuses on three core themes: construction, traffic and water. Our combination of

technical and non-technical issues will teach you to systematically map complex problems, such as the flooding possibilities threatening a certain area. You will learn to make models that predict the effects certain measures will have and to design complex projects, like a metro line in the middle of Amsterdam, or an airport at sea. Of course, you will also learn how to direct the building process behind projects like these.

DEMAND FOR CIVIL ENGINEERS IS HIGH, BOTH IN THE NETHERLANDS AND ABROAD

In the Netherlands and abroad, the need for people skilled in both the technical and the organizational aspects of major projects is great. Particularly if you go on to obtain a Master’s degree, you will be ready to play a key role in project teams for different employees, from engineering and consultancy agencies to government bodies, contractors, project developers and research institutes. At the beginning of your career, your civil engineering knowledge will be your most important contribution to the project team you join – but thanks to your administrative and management training, you will also have an eye for the financial, economic and legal aspects of a project.

ADMISSION REQUIREMENTS

- Certificate equivalent to Dutch VWO (e.g. British A-levels, International Baccalaureate)
- Dutch (Staatsexamen NT2-II, CEFR level B2-C1)
- Mathematics, Physics, English

Please note that this programme is currently taught in Dutch. In the future, all our programmes will be taught in English. Please keep an eye on our website utwente.nl/go/ce-en for up-to-date information.



” THIS PROGRAMME COVERS FAR MORE THAN JUST ENGINEERING ”

“During the Open Days I attended a Civil Engineering lecture and knew at once that this was the programme for me. The enthusiasm of other students was infectious and I really got a feel for the programme. What really spoke to me was the wide range of possibilities this Bachelor opens up for you. Here in the Netherlands, you can work for Rijkswaterstaat, a government agency responsible for all the main infrastructure facilities in our country. But you but also join a building company or engineering agency. Whatever you end up choosing, you will always be contributing to infrastructural projects that are essential to society. One thing I like about this programme is that you don’t just focus on engineering. By analyzing case studies, you learn how to manage a project and you develop an eye for financial matters and many other areas that come into play in a big project. You discuss issues with fellow students and brainstorm together. In fact, each module is one big case study. The University of Twente does that very well. And compared to other universities, the study groups here are relatively small, making everything more personal and more fun.”

**Would you like to find out more?
Check utwente.nl/go/ce-en**

 University of Twente Civil Engineering		<small>this programme</small>	<small>national average for this programme</small>
Bachelor's, full-time			
student satisfaction on a scale of 1 to 5		3,8 ★★★★☆	4,1 ★★★★★
number of first-year students		102	309
contact hours in first year number of clock hours scheduled per week		24-30	18-30
advancement to second year of the programme		86%	71%
bachelor's degree obtained within 4 years of university education		69%	54%
job opportunities work found within 1.5 years of obtaining a master degree		95%	

21-05-2015 Studie in Cijfers for more info: www.studiekeuze123.nl

SCIENCE AND TECHNOLOGY

INDUSTRIAL DESIGN ENGINEERING



TECHNIQUE AND DESIGN AT A SCIENTIFIC LEVEL

In our Bachelor's programme in **Industrial Design Engineering**, you will learn how to combine technological insight, creativity and a feeling for consumer behaviour in designing or improving products. The products you deliver will be functional and attractive, but also producible at a reasonable cost, easy to use, and suitable for packaging and transport.

FOCUSED ON THE FUTURE: BECOME AN ENTERPRISING DESIGNER

Our Industrial Design Engineering programme will equip you for every aspect of designing a good product. What distinguishes our programme from others is our steady focus on the future. With us, you'll acquire a firm grasp of the entire design process, from the conceptual stage to market introduction. At a scientific level, you will gain fundamental knowledge, enabling you to sail a tight course between technological possibilities and market dynamics. You will become a truly enterprising designer.

PROJECT-LED EDUCATION WITH REAL- WORLD ASSIGNMENTS FROM INDUSTRY

Uniquely, we emphasize solution designing and working in projects. In our programme, you will be given real-world assignments from industry. With your small team, you will develop a prototype and present it to the customer. Quite a few of our students' products actually end up in stores. In addition to technical and creative subjects, mathematics and physics, you will become well-versed in ergonomics, marketing and business. Needless to say, the programme is highly practice-driven. Throughout every step of the design engineering process, from the

first product idea to its production and market introduction, you will learn everything you need to know. At the same time, you will be alert to other technical possibilities, and to changes in the market that might lead to better products in the future. You will always be on the lookout for ways in which to adapt and improve your design process.

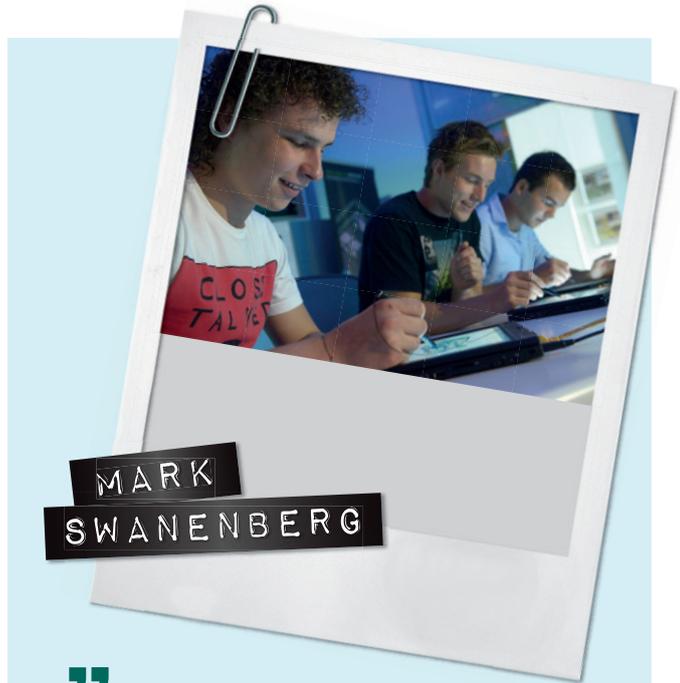
YOUR FUTURE AS AN INDUSTRIAL DESIGN ENGINEER

The world needs industrial design engineers who can design clever products while also having a firm grasp of the design process. This coordinating role will become more important in the future. Our programme is designed to prepare you for that. As a graduate, you will be able to find work in many different areas – from consumer product manufacturers to the capital goods sector, with design agencies, consultancy businesses, state-owned companies or as an entrepreneur.

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)

For more information about the admission requirements, please check out our website: utwente.nl/go/ide-en



” YOUR CREATION COMES TO LIFE IN THIS PROGRAMME ”

“My last year at high school greatly influenced my choice for Industrial Design Engineering. I was at a special technical school; we were allowed to choose our own assignments, so I had to approach companies myself, knowing where I wanted to end up with my product and how to get there. What also appealed to me is that in this programme your creation, whether physical or digital, really comes to life. I like the University of Twente’s small scale and open door policy: the lecturers show an interest in your work and are really involved. As an IDE, you get extensive training in design, engineering and marketing. You learn to take on a coordinating role. I discovered this during a project involving students from Industrial Engineering and Management and Mechanical Engineering. We designed a robot vacuum cleaner for a client. Lots of technical aspects came into play, but the real keys to success were teamwork and communication. After my Bachelor’s and Master’s, I would like to continue being creatively involved in project realization with a design research agency. It would be cool to develop a product or solution that has real added value for consumers.”

**Would you like to find out more?
Check utwente.nl/go/ide-en**

 University of Twente Industrial Design Bachelor's, full-time		this programme	national average for this programme
student satisfaction on a scale of 1 to 5	★	4,1 ★★★★○	4 ★★★★○
number of first-year students	👥	108	213
contact hours in first year number of clock hours scheduled per week	🕒	24-30	18-30
advancement to second year of the programme	📈	75%	82%
bachelor's degree obtained within 4 years of university education	🎓	43%	64%
job opportunities work found within 1.5 years of obtaining a master degree	💼	91%	

21-05-2015 Studie in Cijfers for more info: www.studiekeuze123.nl

SCIENCE AND TECHNOLOGY

MECHANICAL ENGINEERING



MECHANICAL ENGINEERS: TECHNICIANS WITH A WIDE PERSPECTIVE THAT DEVISE, DESIGN AND BUILD

Do you like taking things apart and putting them back together? Are you fascinated by how things are built and how they work – from small appliances and gadgets to cars, airplanes and industrial installations? Then our Bachelor's programme in **Mechanical Engineering** is for you.

ONE OF THE MOST EXTENSIVE TECHNICAL PROGRAMMES

Our Bachelor's programme in Mechanical Engineering is one of the most extensive technical programmes you could choose. As a mechanical engineer you will use your skills to design all sorts of new, unheard-of apparatus and materials. Your products might be small precision instruments – such as a robot-operated tool for research in the medical world – or giant installations, such as a power plant or drilling rig. Aside from devising, designing and building new products, you may also be involved in improving and maintaining existing

installations: improving the production process in a factory or deploying renewable energies.

A SOCIAL APPLICATION IS KEY

During your studies you will gain fundamental knowledge and learn how to transform it into practical solutions – thanks to our unique focus on linking theory and practice. One way in which we ensure this focus remains in place is by including many projects in our programmes. In each project, we will challenge you and your small team of fellow students to apply theory by carrying out a concrete assignment, such as designing an

energy-efficient ice-skating rink. Together with your team, you will pass through every stage of the process, from devising and designing up to – in some cases – building a working prototype.

MECHANICAL ENGINEERS ARE IN HIGH DEMAND

Once you're a graduated mechanical engineer, you will have excellent career opportunities. Demand for people with a wide range of technical abilities and experience in working on projects is high. Many of our graduates carry on to obtain a Master's degree and soon land a position at management level, for instance in the production or development division of a company.

As a mechanical engineer, you can work in many different sectors, from machine and apparatus engineering to the automotive and aircraft industries, the chemical industry, or electrical engineering. You could also start your career at an engineering company or research institute, becoming involved in the design and development of equipment, machines, advanced constructions, production systems and processes. You can also specialize in researching new technologies. The opportunities are vast.

ADMISSION REQUIREMENTS

- Certificate equivalent to Dutch VWO (e.g. British A-levels, International Baccalaureate)
- Dutch (Staatsexamen NT2-II, CEFR level B2-C1)
- Mathematics, Physics

Please note that this programme is currently taught in Dutch. In the future, all our programmes will be taught in English. Please keep an eye on our website utwente.nl/go/me-en for up-to-date information.



” IN MY FIRST YEAR, I MADE A PROTOTYPE FOR A MECHANICAL VOLLEYBALL CANON ”

“Whether it’s a TV, a train, a welding machine or a building: almost anything I come across makes me wonder how it was made, why it was made that way and whether it could be improved on. I’m passionate about engineering! The Bachelor’s programme in Mechanical Engineering really allows me to express myself. The teaching is extensive and you’re never far from practical application. Obviously, you need a solid theoretical foundation, in construction principles, dynamics, fluid mechanics and mathematics. But the projects are really centred on the practical, innovative side of things. Usually, the goal is to develop a new product or apparatus that makes other work lighter. In my first year, I made a prototype for a mechanical volleyball canon that allows players to train without an opponent. For a project on thermodynamics and environmental impact we designed a solar plant for local authorities in Aruba; it simultaneously reprocessed renewable energy and desalinated water. It was an enormous challenge and incredible to get to do. You always feel proud of your own invention, but it is also edifying to see what other project teams come up with. By applying technical knowledge and creativity, you arrive at ingenious solutions.”

**Would you like to find out more?
Check utwente.nl/go/me-en**

 University of Twente Mechanical Engineering Bachelor's, full-time		this programme	national average for this programme
student satisfaction on a scale of 1 to 5 	4	4,1	
number of first-year students 	159	344	
contact hours in first year number of clock hours scheduled per week 	18-24	18-24	
advancement to second year of the programme 	86%	70%	
bachelor's degree obtained within 4 years of university education 	57%	45%	
job opportunities work found within 1.5 years of obtaining a master degree 	98%		

21-05-2015 Studie in Cijfers for more info: www.studiekeuze123.nl

SCIENCE AND TECHNOLOGY

CREATIVE TECHNOLOGY



CREATIVE USER INTERACTION WITH TECHNOLOGY AND NEW MEDIA

Our Bachelor's programme in **Creative Technology** will challenge you to use the latest technologies in developing interactive applications geared towards users' health, convenience and enjoyment. We will equip you to utilize smart technology or new media to create user interaction. Examples might include a game that patients can play on an interactive LED floor to help them with their rehabilitation, a suit that allows you to feel the touch of someone far away, or a robot guide to show visitors around a museum. You'll learn to create smart ideas, use smart tools and understand the impact of design and technology on humans.

COMBINE TECHNOLOGY, HUMAN BEHAVIOUR, BUSINESS AND DESIGN

Our project-based education is both practical and academic. You will be challenged to come up with new ways of engaging with the latest information and communication technologies. In doing so, you will learn to apply knowledge from many disciplines,

ranging from sensor and media technology to human behaviour and communications. Commercial insight also comes into play, as your design will never reach the production stage without a positive, rock-solid business plan. This programme will also equip you with skills in research, design and organization. You may find yourself co-developing a robotic

eye that moves more naturally, an interactive floor to help combat obesity, or a blow sensor that adds an extra dimension to gaming. As a Creative Technology student, you will acquire technical knowledge and skills, while also discovering how technology affects human beings, creative processes and design. You will learn how to convert a question or opportunity into an appealing prototype.

CREATE YOUR FUTURE

The Bachelor’s programme in Creative Technology will turn you into a technically accomplished designer who is tuned into what is happening in society. You will work on the cutting edge of high-tech, while keeping a keen eye on the human factor. As for career opportunities, you will be able to go out and create your own future. Are you eager to be the creative mind behind a technological breakthrough? Would you like to develop an emotionally aware robot to assist the elderly? Or maybe you are more into designing serious games, developing new applications in the consumer industry, or starting your own business? This programme will take you beyond your own imagination, as you learn to meet user needs by developing fascinating high-tech applications based on the latest technologies!

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)



”
**ONLY THE UT’S OFFER
 MATCHED WITH MY
 COMPLETE WISH LIST**
 ”

“I had a whole wish list of things I was looking for in an IT course: it had to be an extensive, innovative and creative Bachelor’s programme, preferably in English. The University of Twente is the only university that offers all those things. I’m in my element here. And because the fields of study are all so different, every student is different – and the international mix of students makes for a fun and interesting environment. The programme centres on handling existing, smart technologies and new, groundbreaking ideas. In one group, we completed a special LED’s Go project for a floor laying company: we made a transparent floor with LED lighting that can show visitors the way around in a public place – and indicate the nearest exit in case of an emergency. This Bachelor’s programme allows me to acquire ample knowledge in the fields of design, engineering hardware and software, business and marketing. I can go on to work for a large company later, but I could also launch my own start-up. It would be really great to develop a fresh new idea with a few other students and capture the world with it!”

 University of Twente Creative Technology Bachelor’s, full-time		this programme	national average for this programme
student satisfaction on a scale of 1 to 5	★	4 ★★★★★	4 ★★★★★
number of first-year students	👥	101	101
contact hours in first year number of clock hours scheduled per week	🕒	24-30	24-30
advancement to second year of the programme	➡	81%	81%
bachelor’s degree obtained within 4 years of university education	🎓	-	-
job opportunities work found within 1.5 years of obtaining a master degree	💼	-	-

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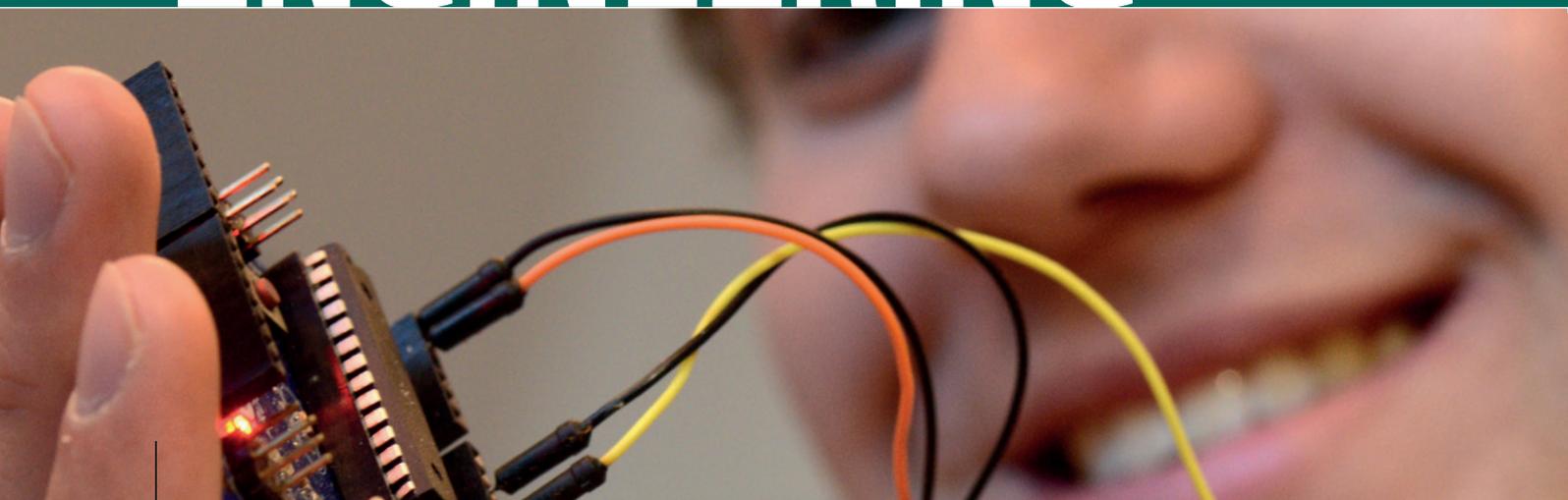
Remarks by the Course Management:

1) This educational programme first became available to students in 2010, which is why there are not many graduates for this programme yet. 2) This educational programme only has a bachelor-s track. 3) So far, the majority of the bachelor-s graduates enrolled in a master-s programme.

**Would you like to find out more?
 Check utwente.nl/go/create-en**

SCIENCE AND TECHNOLOGY

ELECTRICAL ENGINEERING



DEVELOPING AND IMPROVING ELECTRONICS-BASED SYSTEMS

Our Bachelor's programme in **Electrical Engineering** is all about developing and improving electronics-based systems. You will work on high-tech systems, such as a robot arm for medical applications, a satellite, or communication links between cars. Electrical Engineering will teach you how modern technology works and how you can use it to improve, accelerate or scale down electrotechnical systems. Your work will result in high-tech applications based on nanotechnology, robotics, electronics and communication technology.

DISCOVER YOUR OWN STRENGTH

Our special project-based approach is key to the education we provide. In real-world projects, we will challenge you to solve pressing problems with regard to sustainability, health, safety and energy. You will apply knowledge from the fields of computer science, physics and mathematics. And, of course, you will learn all about electronics, signals, networks, and hardware and software design. You will also develop skills in research, design and management.

We look forward to your contributions to innovations, such as lab-on-a-chip technology (a chip in the form of a pill that contains laboratory functions), methods for producing faster, better and more energy-efficient computers, state-of-the-art communication sensors and systems for improving security. The Electrical Engineering programme will equip you with the knowledge and skills you will need in almost all areas of technology.

EXCELLENT JOB OPPORTUNITIES

This programme will make you an innovator, a developer of new methods and techniques. Perhaps you will discover new modes of communication or develop a microscopic chip. You might end up designing the first robotic arm to perform heart surgery. Or perhaps you see yourself working as a systems designer on the latest chip manufacturing equipment? Or maybe you like the idea of developing new satellite communication to explore the outer reaches of the universe? Or your dream is to lead a team of engineers in recording 3D movements for animated virtual characters in the next generation of movies? Come up with your own unique, electronics-based concept and it may even be time to start your own business! Whatever you decide, as an electrical engineer you will get to invent your own future. In fact, in terms of job opportunities, this is one of the most promising programmes on offer.

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

University of Twente Electrical Engineering		national average for this programme	
Bachelor's, full-time		this programme	
student satisfaction on a scale of 1 to 5	★ 3,9 *****	4,1 *****	
number of first-year students	84	152	
contact hours in first year number of clock hours scheduled per week	24-30	18-24	
advancement to second year of the programme	94%	75%	
bachelor's degree obtained within 4 years of university education	39%	45%	
job opportunities work found within 1.5 years of obtaining a master degree	98%		

21-05-2015

Studie in Cijfers

for more info: www.studiekeuze123.nl

Remarks by the Course Management:

Approximately 13% of the first-year students are students who follow a transfer programme after having obtained their University of Applied Sciences (Dutch: HBO) bachelor's degree. These transfer students follow a different curriculum than regular first-year students.



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**WHEN OUR PROTOTYPE
 HELICOPTER TOOK
 OFF AFTER THREE WEEKS, I
 THOUGHT, 'WOW...'**

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“As a child, I was fascinated by all kinds of electronics. I was always playing around with them: blinking lights, burglar alarm systems – simple kinds of applications. When I graduate, I will be able to be professionally occupied with designing and improving electronic systems, maybe for medical purposes or for issues related to sustainability. We get quite a lot of theory in this programme, including mathematics, but you really need it, too. I discovered that during my final project in the first year. We were allowed to submit a project of our own choice, as long as it required us to apply all the knowledge we gained in that year. My group stripped a toy helicopter of all the electronics and developed new electronics enabling remote control with a cell phone. When our prototype took off after three weeks, I thought, ‘Wow, all that knowledge has really enabled us to do interesting things!’ I enjoy engaging in different disciplines, going beyond electronics. Eventually, I’d like to focus on robotics, a field in which electronics and mechanical engineering come together. I plan to specialize in that area during my Master’s programme. After that I’d like to go to work as an engineer in the corporate world. My goal is to solve tough issues with high-tech systems. It will take a lot of studying, but it’s worth it.”

**Would you like to find out more?
 Check utwente.nl/go/ee-en**

SCIENCE AND TECHNOLOGY

BUSINESS & IT



A COMBINATION OF BUSINESS ADMINISTRATION AND COMPUTER SCIENCES

Our unique **Business & IT** programme brings the worlds of business administration and computer science together. And that's not all. You will also acquire knowledge in the areas of information technology, organization, communication and planning methods. As 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 the 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 learn what it takes for software to make a difference in a business. We work in small classes, which allows you to get to know all your fellow students well and develop a closer relationship with staff members.

EDUCATIONAL SYSTEM

The programme is structured according to the internationally recognized system for Bachelor's and Master's programmes. Each year is made up of four modules. You will complete these modules following a project format, sometimes combining them with other studies. Each module is rounded off

with a project – this is what makes our educational model so practical. For example, in the fourth module of your first year (Data & Information), groups of five or six students create a complete web application, including databases, with the purpose of automating certain parts of a company. As a student, you are allowed to choose an application put

forward by your teacher on the basis of the needs of an existing company or an application for a firm you want to approach yourself. You will work on this project using the latest method for creating complex software systems, Scrum. At the University of Twente, we do all we can to get you in touch with state-of-the-art techniques and methods.

CAREER OPPORTUNITIES

Business & IT provides you with the ideal starting point for a career on the cutting edge of business and computer science. 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, processor designer or project manager. The 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. For instance, you might choose to develop products for the end users or to join a consultancy office or an IT company. Many IT services operate internationally, so you can even choose your location, working in the Netherlands with a foreign company or at an office abroad.

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

For more information about the admission requirements, please check out our website: utwente.nl/go/bit-en

University of Twente Business & IT		this programme	national average for this programme
Bachelor's, full-time			
student satisfaction on a scale of 1 to 5	★	3,9 ★★★★	3,9 ★★★★
number of first-year students	👥	37	37
contact hours in first year number of clock hours scheduled per week	🕒	18-24	18-24
advancement to second year of the programme	📈	81%	81%
bachelor's degree obtained within 4 years of university education	🎓	-	-
job opportunities work found within 1.5 years of obtaining a master degree	💼	-	-

12-05-2015 Studie in Cijfers for more info: www.studiekeuze123.nl



”
**I WANT TO BRIDGE
 THE GAP BETWEEN
 MANAGEMENT AND IT**
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“What I liked about the Business Administration & IT programme is that it combines two fields I was already interested in. I wanted to acquire knowledge and skills in both areas and apply them in the business world. Managers and IT specialists often know very little about one another's work; it is as though they speak different languages. As a graduate in Business Administration & IT, you can bridge the gap between the two – either as a manager or as a programmer. The most interesting lectures and projects so far, to me, were the ones about Big Data. I was fascinated by what you can do with data in a company, but also by how data can be stored so as to make it easy to access information, put it into graphs or perform analyses. Think of all that information collected by Google – it can be used to improve or adapt business processes, generate ideas or plan investments. It interests me, as so many decisions are based on the data collected by companies. One of my dreams is to join a great company – preferably one engaged in something worthwhile – and manage projects, using my knowledge to positively impact business processes.”

**Would you like to find out more?
 Check utwente.nl/go/bit-en**

SCIENCE AND TECHNOLOGY

TECHNICAL COMPUTER SCIENCE



A FIELD OF STUDY THAT IS AS RELEVANT AS EVER

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

COMPUTERS, INTERNET, ROBOTS AND PEOPLE

Technical Computer Sciences is a challenging field of study that focuses on information and systems – for instance, think of automated searches through vast amounts of data. But during this course you will not only be occupied with computers and the Internet: you will also learn how people and systems – such as robots – interact. You will become familiar with fundamental concepts, while also learning to apply them in a practical way

to basically anything that might occupy people, from transportation and business, to health, environment, politics, leisure time, or almost any other area of life. A unique feature of our education is that we divide our programmes into themes and modules, in which projects play a pivotal role. Themes you will come across in the Technical Computer Science programme will range from computer security and programming to wireless or mobile networks and the development of social robots.

THERE IS A WIDE RANGE OF JOBS AVAILABLE TO YOU

Particularly if you follow up this programme with a Master's in Technical Computer Science, you will find employers on the job market ready to roll out the red carpet for you. Your familiarity with an exciting new branch of science means you might join a renowned IT company, whose systems you will use on a daily basis for Internet searches or for engaging in social media activities. Or you may prefer to work for a small start-up – or even launch your own business. There is 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. If you join this group of experts as a technical computer science specialist, you will be able to choose from a wide spectrum of career paths.

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)

For more information about the admission requirements, please check out our website: utwente.nl/go/csc-en



” IN SECURITY, YOU ASSUME USERS WILL MISBEHAVE ”

“I love projects. In one of our modules we had a project in which we were allowed to determine everything ourselves; the only guideline was that we had to develop a web application involving a database. We created Ubercoaching, a self-help app you can use to monitor how many calories you burn. It was awesome. You gain more and more knowledge as you go. A few times, we ran into a problem, and the very next day we got new input during a lecture that helped us solve it. Theory and practice are interwoven in this programme. Technical Computer Science obviously offers an endless array of possible application areas, but one subject that keeps coming back in every module is security. In developing applications, you assume users will do things the way they're supposed to and will behave properly; in security, you assume users will misbehave, that your code has holes in it. It's a completely different perspective. The security field is changing rapidly and I see a lot of challenges there. I'm currently working at a start-up. I learned so much in my first year that I'm using now. The programming skills I gained come in handy every day, too.”

**Would you like to find out more?
Check utwente.nl/go/csc-en**

 University of Twente Computer Science & Engineering		Bachelor's, full-time	
		this programme	national average for this programme
student satisfaction on a scale of 1 to 5		4 ****☆	4,1 *****
number of first-year students		73	182
contact hours in first year number of clock hours scheduled per week		24-30	24-30
advancement to second year of the programme		81%	74%
bachelor's degree obtained within 4 years of university education		54%	54%
job opportunities work found within 1.5 years of obtaining a master degree		91%	

21-05-2015 Studie in Cijfers for more info: www.studiekeuze123.nl

SCIENCE AND TECHNOLOGY

INDUSTRIAL & APPLIED MATHEMATICS



AN APPLICATION-ORIENTED PROGRAMME

Our Bachelor's programme in **Applied Mathematics** is all about applying mathematics in practical situations. You will learn how to systematically tackle practical problems and how to develop solid, workable solutions for technological and social issues. Eliminating waiting lists in healthcare, predicting a river's rising water levels or ensuring that hundreds of airplanes can take off safely every day from an airport – these are just a few examples of the endless possibilities in this field. Comparative studies have shown that our Applied Mathematics programme receives high scores from students and specialists alike. At the University of Twente, you will be well-prepared for the international environment in which you will probably go to work after your studies. In order to further improve our international profile, this programme will be English-taught as of the 2016-2017 academic year.

WHY STUDY APPLIED MATHEMATICS AT TWENTE?

Our programme is structured according to the internationally recognized system for Bachelor's and Master's programmes. What makes Applied Mathematics at Twente stand

out is our focus on mathematical models. This means you will translate practical problems into mathematical formulae that contain the essence of the problem, combining application with abstraction. Abstraction, to us, means analyzing a

problem outside of its context in order to see its essence more clearly. Obviously, you then have to feed your abstract results back into a practical application later. Another great characteristic of our approach is that in our programmes, no one is just a number. Our student-teacher ratio is relatively low, which gives you the advantage of not only getting to know your fellow students well, but your lecturers also. The study in itself is intense, but you will receive plenty of support and guidance along the way.

GREAT JOB PROSPECTS IN A 'MATHEMATIZED' SOCIETY

Our societies are becoming increasingly 'mathematized'. Mathematics is everywhere, playing an important role in many aspects of our daily lives. Because of the insight they give, mathematical models are now standard in almost all fields of study. As a mathematical engineer, you will have a versatile Bachelor's degree with exactly the right training for organizing, analysing and translating practical problems into mathematical models. Our broad, application-oriented programme will make you a highly appreciated colleague in many workplaces: you will most likely never be lacking job opportunities.

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

For more information about the admission requirements, please check out our website: utwente.nl/go/iam-en

STUDIE IN CIJFERS		University of Twente Industrial and Applied Mathematics	
Bachelor's, full-time		this programme	national average for this programme
student satisfaction on a scale of 1 to 5	★	4,3 *****	4,3 *****
number of first-year students	👥	35	65
contact hours in first year number of clock hours scheduled per week	🕒	18-24	18-24
advancement to second year of the programme	📈	63%	67%
bachelor's degree obtained within 4 years of university education	🎓	52%	69%
job opportunities work found within 1.5 years of obtaining a master degree	💼	100%	

21-05-2015 Studie in Cijfers for more info: www.studiekeuze123.nl



” I JUST LOVE DOING CALCULATIONS ”

“I just love doing calculations. Spending a whole afternoon solving some mathematical problem: that's what makes me happy. In Enschede, mathematics are applied. That means there is a lot of theory and analyzing, but there are also a lot of projects that challenge you to put your knowledge into practice. The programme is small-scale and everyone knows each other. I like working in project teams. Even if the subject matter is difficult, you always manage to figure it out together. In the first two years of the Bachelor, there are fixed subjects. In your third year, you have electives and you can also choose a Minor. I think it would be nice to do a Minor in education, so that I can teach as well as getting another job. This course of study opens up many career paths. A lot of companies need mathematicians, even in non-mathematical areas: we can think analytically, look at the big picture and establish connections. I used to want to work with the Dutch Railways on planning train timetables. I still think that would be wonderful. Because of my analytical skills, I can also see myself as a business advisor, doing something multidisciplinary.”

**Would you like to find out more?
Check utwente.nl/go/iam-en**

SCIENCE AND TECHNOLOGY

BIOMEDICAL TECHNOLOGY



TECHNOLOGICAL DEVELOPMENTS FOR THE HEALTHCARE SECTOR

The number of technological developments in the medical world is huge and growing all the time. With so much progress being made in the areas of rehabilitation robots, artificial organs, wearables and prostheses, demand for engineers who can develop these technologies is higher than ever. Engineers who combine in-depth technological knowledge with insight into the workings of the human body, and the ability to design innovative, helpful solutions. If this interests you, sign up for our Bachelor's programme in **Biomedical Technology**, and you will be trained to be just such an engineer.

A COMBINATION OF DIFFERENT DISCIPLINES

The essence of this course is to learn to develop technology for a very special purpose: the well-being of people with medical problems. This is why we combine knowledge from different disciplines in this programme: physics, mathematics, chemistry, mechanical engineering, electrical engineering, biology, and medicine. For instance, you will learn how to measure the forces endured by a knee joint, or how MRI works. You will also explore how

chemically-made materials function when placed in a person's body, so that the suture you design will be strong enough and will not dissolve too quickly.

PROBLEM-SOLVING AND INNOVATIVE THINKING

In order to be equipped for developing medical innovations, you will learn how to solve problems in a systematic, scientific way. You will learn to think innovatively. Rather than presenting their knowledge

to you on a silver platter, our lecturers will engage you in projects in which you will be challenged to find working solutions to real-world problems. You will plan the project, research information, experiment, collaborate with fellow students and present. We call this an engineer's approach – and we believe it will allow you to give the best of yourself and to gain an edge in your future career.

THE WORLD NEEDS 'ENGINEERS' LIKE YOU

There is a growing demand for technological solutions in the healthcare sector and in the coming years there will be an even greater need for engineers equipped to deliver this kind of solution. As a graduate, you will be able to go to work in the business sector, in research or at a hospital. You might research new technology or develop new products for the medical market. As a project manager, you may be responsible for planning, implementing and completing complex technical projects. In short, as a Bachelor of Biomedical Technology, you will find many ways in which you can improve the well-being of people with medical problems by using the latest technologies.

ADMISSION REQUIREMENTS

- Certificate equivalent to Dutch VWO (e.g. British A-levels, International Baccalaureate)
- Dutch (Staatsexamen NT2-I, CEFR level B1)
- Mathematics, Physics and/or Chemistry, English

Please note that this programme is currently taught in Dutch. In the future all our programmes will be taught in English. Please keep an eye on our website utwente.nl/go/bmt-en for up-to-date information.

STUDIE IN CIJFERS		University of Twente Biomedical Engineering	
Bachelor's, full-time		this programme	national average for this programme
student satisfaction on a scale of 1 to 5	★	4 ★★★★	4,2 ★★★★☆
number of first-year students	👥	75	158
contact hours in first year number of clock hours scheduled per week	🕒	18-24	18-24
advancement to second year of the programme	👉	82%	84%
bachelor's degree obtained within 4 years of university education	🎓	67%	69%
job opportunities work found within 1.5 years of obtaining a master degree	💼	93%	

21-05-2015 Studie in Cijfers for more info: www.studiekeuze123.nl

ANNE TEN DAM

” I WORK ON TECHNOLOGICAL SOLUTIONS THAT COULD SAVE LIVES IN THE FUTURE “

“Being busy with new things keeps me sharp! The innovative and progressive nature of the Bachelor's programme in Biomedical Technology immediately caught my attention. We immerse ourselves in technologies that are now being used in healthcare and we research how we can build on them. Apart from mathematics, mechanics, thermodynamics and hydrodynamics, we also need to be well-versed in subjects like physiology, anatomy and cell biology. Technical insight is one thing, but being able to apply it to the medical world is another thing entirely! During the projects and the practical subjects, the technical and biological sides come together. You design new solutions or research how you can improve existing technologies. For example, I was able to try to use stem cells to create cartilage and fat. And we managed to present a biological, mechanical and mathematical model of a hip implant. In short, I work on technological solutions that could be life-saving in the future!”

**Would you like to find out more?
Check utwente.nl/go/bmt-en**

SCIENCE AND TECHNOLOGY

TECHNICAL MEDICINE



THE CONNECTING LINK BETWEEN MEDICINE AND TECHNOLOGY

Technology is playing a growing role in medical healthcare and is becoming increasingly complex. Not surprisingly, there is a growing demand for professionals who can combine knowledge of both technology and medicine to improve the care of individual patients. Our Bachelor's programme in **Technical Medicine** answers to this need. As a so-called 'technical physician', you will be the connecting link between medicine and technology. You will focus on innovation, diagnosis and treatment, while making use of the latest technologies.

A UNIQUE PROFESSION WITH A FRESH OUTLOOK ON THE PATIENT

In your preparation for a career as a technical physician, you will acquire a thorough understanding of how the human body functions and the ability to combine this with your insight into the possibilities – and restraints – of technology. This means you

will be much more than an engineer with medical knowledge, or a physician who happens to know a lot about technology. You will be a professional with a unique combination of skills and a singular point of view based on the needs of the individual patient and the possibilities at your disposal for helping that patient.

THE BEST PROGRAMME IN THE FIELD OF MEDICINE

Technical Medicine is a new discipline in medical healthcare. It is a perfect fit with both the structure and the culture of the medical world. At the University of Twente, we're proud to say that our twelve years of experience in this field have paid off, as our programme has come out as best-in-class in several different surveys. What makes our programme stand out from others is our modern facilities, the interlinking of medical practice and technology and the fun, relaxed environment we offer our students.

SETTING TO WORK IN A HOSPITAL OR IN THE BUSINESS WORLD

As a technical physician, you will be able to work at a hospital, taking care of your own patients. In many cases, you will work with a team of medical specialists, each with his or her own specific area of expertise. Your focus will lie on improving diagnosis and treatment with the help of technology. You may also pursue a career in the business world or abroad. Some of our graduates have gone on to work at hospitals in London, Singapore and New Haven (Yale).

Please note that in this programme you will need fluency in Dutch for appropriate patient communication. You will be tested on your language skills. This programme is taught in Dutch.



”
BY MATCHING PATIENT NEEDS WITH TECHNOLOGY, I HOPE TO IMPROVE HEALTHCARE QUALITY
 ”

“Technical Medicine is one of the University of Twente’s unique Bachelor programmes. The course is many-faceted and, to my mind, combines the best of both worlds. One moment you’re standing in the operating room, and the next you’re making a small model of an MRI scanner or practising your bedside manners. I’m convinced that insight into the ‘how and why’ of both medical technology and the working of the human body can contribute to improved better diagnosis and patient treatment. For instance, there are so many imaging techniques: when do you choose to use an MRI or a CT scan? Do you use X-ray equipment or do you perform an ultrasound? And think of all the endoscopes: today’s technology is so advanced that you can get a direct microscopic image of the inside of the intestines; it’s often no longer necessary to do a biopsy and analyze it in the lab. By matching patient needs with technology in the best way possible, I hope to improve the quality of healthcare. I believe I will be an important member of a medical team one day.”

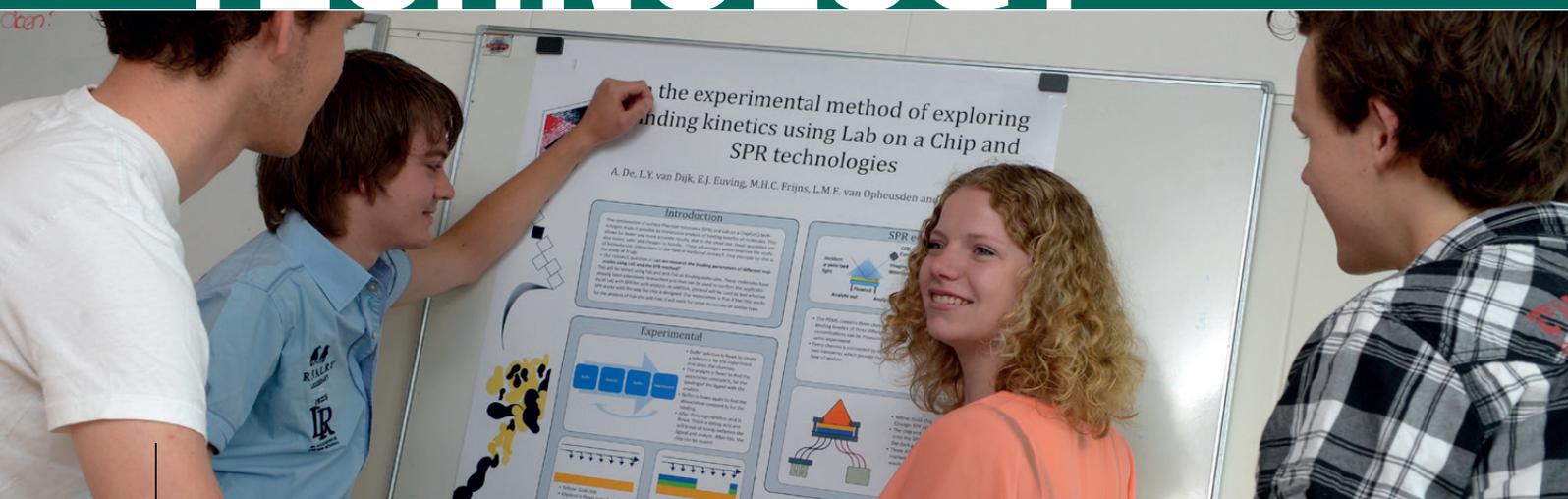
 University of Twente Clinical Technology Bachelor's, full-time		this programme	national average for this programme
student satisfaction on a scale of 1 to 5 	4,1	4,1	
number of first-year students 	130	115	
contact hours in first year number of clock hours scheduled per week 	18-24	18-30	
advancement to second year of the programme 	85%	85%	
bachelor's degree obtained within 4 years of university education 	74%	74%	
job opportunities work found within 1.5 years of obtaining a master degree 	100%		

21-05-2015 Studie in Cijfers for more info: www.studiekeuze123.nl

**Would you like to find out more?
 Check utwente.nl/go/tm-en**

SCIENCE AND TECHNOLOGY

ADVANCED TECHNOLOGY



COMBINING DISCIPLINES TO SOLVE TOMORROW'S PROBLEMS

Our Bachelor's programme in **Advanced Technology** is one of a kind in the Netherlands. If you are inspired by the idea of combining diverse 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. Advanced Technology is a broad Bachelor's programme which combines technical expertise with a keen awareness of society's needs.

A CREATIVE MIX OF TECHNICAL DISCIPLINES

We live in a rapidly changing world. This offers unprecedented opportunities, but it also presents us with complex problems, such as the need for energy-efficient transport and new sources of clean energy. In the Advanced Technology programme, you will learn to combine various disciplines to create multidisciplinary solutions to these problems. These combinations include electrical engineering, mechanical engineering, chemical engineering, applied physics, mathematics and business administration. On a project basis, we

will challenge you to form an effective team with your fellow students and apply theoretical insights from the programme's various disciplines to solve socially relevant problems. During these projects, you will soon discover the immense value of examining a problem from the perspective of different disciplines – and experience the fulfilment of coming up with a solid solution.

STUDYING WITH AN INTERNATIONAL PERSPECTIVE

At the University of Twente, we want to make sure you are thoroughly prepared for today's

international job market. From day one, you will work alongside students from different countries with different backgrounds. You will find that different perspectives will offer you new, unexpected ways of looking at problems. And you'll gain experience in solving those problems together with an international team.

A WORLD OF OPPORTUNITY

The Bachelor's programme in Advanced Technology will open up a world of opportunity for you. With the internationally recognized title of Bachelor of Science, you will be able to pursue all kinds of paths. You can choose a technical Master's programme, such as Mechanical Engineering, Nanotechnology or Chemical Engineering, or opt for a Master's in Industrial Engineering and Management. The possibilities are endless. Most of our students follow up their Bachelor's with a Master's in a technical subject, but some go on to take a business programme. Where you go from here, is entirely up to you. Your career path will depend greatly on which Master's you decide to take. Many students opt for a Master's degree at the University of Twente, but you can also continue your studies abroad. This broad Bachelor's degree can take you anywhere!

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, Chemistry (preferably)

University of Twente Advanced Technology			national average for this programme
Bachelor's, full-time			
		this programme	
student satisfaction on a scale of 1 to 5	★	3,9 ★★★★☆	3,9 ★★★★☆
number of first-year students	👥	83	83
contact hours in first year number of clock hours scheduled per week	🕒	18-24	18-24
advancement to second year of the programme	📈	67%	67%
bachelor's degree obtained within 4 years of university education	🎓	52%	52%
job opportunities work found within 1.5 years of obtaining a master degree	💼		

21-05-2015

Studie in Cijfers

for more info: www.studiekeuze123.nl

Remarks by the Course Management:

Since the introduction in 2010 of English as the official language the average study speed has increased strongly, which will result in a strong increase in the B-performance after 4 years. The recently introduced project-led education will also have a positive effect on the performance.



” ADVANCED TECHNOLOGY COMBINES EVERYTHING I WANTED

”

“When I started looking for university programmes, I had difficulty deciding between mechanical and chemical engineering. Advanced Technology combines everything I wanted, from mathematics, physics and chemistry to engineering. It gives me a lot of freedom to experiment. For my Master's programme, I decided on Mechanical Engineering, which I will most likely follow up with a Master's in Business Administration. I'd like to do something related to sports or renewable energy as a consultant or engineer. Another thing I like about Twente is the international atmosphere. It's fun to connect with people from different countries and places. Most of them don't go home during the weekends, so you do a lot together. Living together makes studying here more personal. It also makes group work easier – a good experience, as I expect to be working a lot with other people in the future. The best thing about Twente is living on campus, with everything in one place, including sports facilities. And the University of Twente is always innovating and improving. For example, the new buildings being built on the campus give you the feeling you're part of something that is really moving forward.”

**Would you like to find out more?
Check utwente.nl/go/at-en**

SCIENCE AND TECHNOLOGY

CHEMICAL ENGINEERING



DEVELOPING AND IMPROVING NEW MATERIALS AND PROCESSES

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 do you make mascara waterproof? And how can you make usable products out of waste materials?

At first glance, these questions may not seem to have much in common – except that they are all related to chemical engineering. Our Bachelor's programme in **Chemical Engineering** focuses on developing and improving new (sustainable) processes, products and materials.

MORE THAN JUST CHEMISTRY

Chemical engineers are creative, curious people who enjoy solving complex problems. As a chemical engineer, you will gladly take on the challenge of researching new things and optimizing (existing) production processes and materials in order to make them as sustainable as possible. Not only are you interested in the natural sciences, you are also technically minded. Chemical Engineering deals with much more than just chemistry. Physics and mathematics are

essential areas of study for a chemical engineer. In our programme, you will learn to tackle problems that often play out at an international level, working alongside people from different disciplines.

APPLYING THEORY IN PRACTICAL PROJECTS

Theory and practice are closely interwoven in our programme. In each module you will work together with fellow students on a project that is closely related to that module's theoretical content. You will be challenged

to apply knowledge acquired in the theoretical subjects to problems that concern the interests of a business or society as a whole. In this way, you will also develop the social skills you will need to work in project teams in the business sector or at a research facility.

YOUR FUTURE: RESEARCHER, PROJECT LEADER, PROCESS ENGINEER...?

With a Bachelor's degree in Chemical Engineering you can follow many different career paths. Most students go on to complete our two-year Master's programme in Chemical Engineering. After the Master's programme, you will be an attractive employee for many different enterprises, design and engineering companies, and research and education facilities. You might go to work as a process engineer, optimizing business and production processes, or as a project leader designing building projects for equipment, facilities or entire factories. You could also continue as a researcher in the Research & Development world, investigating new materials or processes. A large number of our graduates choose a career in industry, but almost 40 per cent choose to further specialize and work towards a PhD.

ADMISSION REQUIREMENTS

- Certificate equivalent to Dutch VWO e.g. British A-levels, International Baccalaureate)
- Dutch (Staatsexamen NT2-I, CEFR level B1)

Please note that this programme is currently taught in Dutch. In the future, all our programmes will be taught in English. Please keep an eye on our website utwente.nl/go/che-en for up-to-date information.

University of Twente Chemical Engineering		national average for this programme	
Bachelor's, full-time		this programme	national average for this programme
student satisfaction on a scale of 1 to 5	★ 4,3 *****	4,3 *****	4,3 *****
number of first-year students	66	66	85
contact hours in first year number of clock hours scheduled per week	24-30	24-30	18-24
advancement to second year of the programme	76%	76%	73%
bachelor's degree obtained within 4 years of university education	65%	65%	59%
job opportunities work found within 1.5 years of obtaining a master degree	93%	93%	

21-05-2015 Studie in Cijfers for more info: www.studiekeuze123.nl



”
WE PERFORMED
CALCULATIONS FOR AN
ENTIRE CHEMICAL
PLANT. BRILLIANT!

”

“Experimenting with hydrogen and molecules and doing calculations, especially doing calculations – that’s what I found most interesting during chemistry in secondary school. So I soon knew that I wanted to study something technical. The University of Twente’s Open Day and the Student for a Day programme for Chemical Engineering met all my expectations. The mathematics here is a lot more difficult than it was at school, but also much more challenging. Also, I understand much better now than I did in my first year why mathematics is so useful in chemical processes. At the end of my second year we performed calculations for an entire chemical plant. Brilliant! And we went on a field trip to the biggest chemical plant in Europe. After finishing my degree I want to work in the chemical industry, planning processes. There are countless job opportunities. The field is so complex that no one can be an expert in every area. So, as a chemical engineer you work together with other specialists within your field and outside of it as well. I think it would be cool to contribute to making chemical processes in plants more efficient and sustainable.”

**Would you like to find out more?
Check utwente.nl/go/che-en**

SCIENCE AND TECHNOLOGY



APPLIED PHYSICS



DISCOVERING, DESCRIBING AND APPLYING PHYSICAL PHENOMENA

Our Bachelor's programme in **Applied Physics** is all about understanding physical phenomena by learning about the laws that underlie them – and then putting your understanding into practice. 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 constantly be trying to shed light on physical phenomena. But as an applied physicist, you will not only be interested in finding out why things happen, but also in how your discoveries can be applied to create usable products, or to solve real problems.

THE LANGUAGE AND TOOLS OF PHYSICS

Mathematics is the language of applied physics and experimenting is its main tool. In order to be able to describe and understand physical phenomena, you will have to speak this language. During your studies, therefore, you will cover mathematical subjects as well as physics. And in order to bring your formulae to life, you will have to familiarize yourself with the tools available to you.

That's why you will spend a lot of time experimenting and learning how to work with all kinds of measuring devices.

Because physics experiments are becoming increasingly complicated, there is a growing need for applied physicists who combine in-depth knowledge of their field with excellent practical skills. Our Bachelor's programme in Applied Physics will make sure you get that combination.

PRACTICAL APPLICATION IS KEY

Theory and practice are closely interwoven in our programme. In small group projects, we will challenge you to work together with fellow students on solving problems by using the knowledge of theory you have gained. Because of the small scale of the programme, your teachers and lecturers will be very involved in your education and you will feel quite comfortable to come to them with all your questions.

APPLIED PHYSICS OPENS UP MANY CAREER PATHS

Applied Physics is a comprehensive programme that will open up many directions once you've graduated. Most students decide to continue with the corresponding Master's programme in Applied Physics. About half our graduates are busy on a daily basis with (technical) research and development. They do this at universities, research facilities or Research & Development divisions of companies. The other half chooses to go into the business world. In this environment, they are responsible for devising the production process for a product, for example. But as an applied physicist you will also be offered managerial and consulting positions, thanks to your outstanding analytical skills.

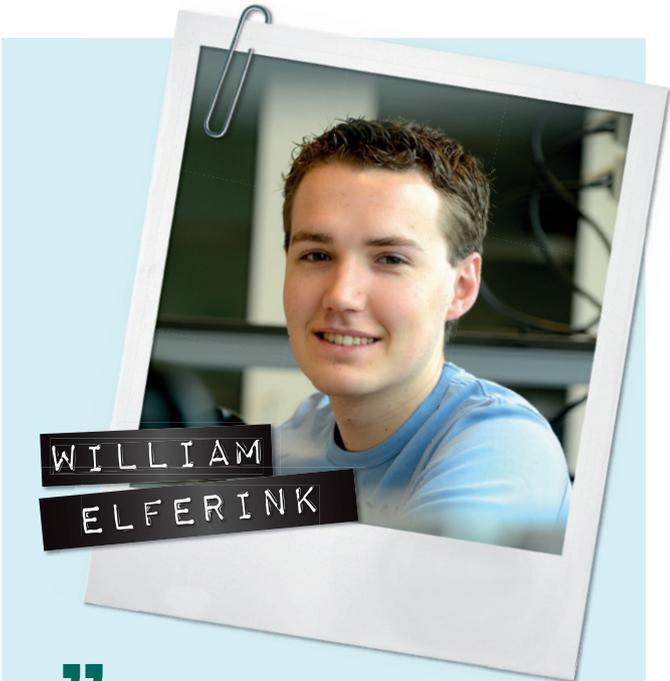
ADMISSION REQUIREMENTS

- Certificate equivalent to Dutch VWO (e.g. British A-levels, International Baccalaureate)
- Dutch (Staatsexamen NT2-I, CEFR level B1)
- Mathematics, Physics, English

Please note that this programme is currently taught in Dutch. In the future, all our programmes will be taught in English. Please keep an eye on our website utwente.nl/go/aph-en for up-to-date information.

STUDIE IN CIJFERS		University of Twente Applied Physics	
Bachelor's, full-time		this programme	national average for this programme
student satisfaction on a scale of 1 to 5	★	4,4 *****	4,2 *****
number of first-year students	👥	91	147
contact hours in first year number of clock hours scheduled per week	🕒	18-24	18-24
advancement to second year of the programme	📈	84%	79%
bachelor's degree obtained within 4 years of university education	🎓	58%	56%
job opportunities work found within 1.5 years of obtaining a master degree	💼	100%	

21-05-2015 Studie in Cijfers for more info: www.studiekeuze123.nl



”
I LOVE PURE PHYSICS. IT FORMS THE BASIS FOR ALMOST EVERYTHING AROUND US
 ”

“The University of Twente’s campus is beautiful: it’s a wonderful place to live and study! But obviously, I came here primarily for my Bachelor’s programme. I just love pure physics. It’s a fundamental subject that forms the basis for almost everything around us. I love discovering the patterns all around us and finding scientific solutions for everyday problems. The problem-solving approach here really appeals to me; it is most noticeable in the practical assignments. The experiments we do make the theory accessible and you learn how to observe physical phenomena, name them and explain them. I find quantum mechanics really interesting. There is so much to discover at particle level! Quantum computers are an exciting area in which this knowledge is being applied. The way they calculate is nothing like the way current computers do. Developments in this field are going to produce beautiful results in the future and I really want to be a part of that. I find mathematics especially challenging. That’s why it’s so great that I can always go and ask the lecturers for help; they do everything they can to make the course as fun and interesting as possible.”

**Would you like to find out more?
 Check utwente.nl/go/aph-en**

BUSINESS AND MANAGEMENT

HEALTH SCIENCES



ANALYSING COMPLEX DEVELOPMENTS AND IMPROVING THE ORGANIZATION OF HEALTHCARE

The healthcare sector is facing many challenges and changes, from rising costs to technological innovations, market dynamics and the increasing demands of ageing populations. More than ever, the sector needs professionals who can understand and analyze what is happening – and design solutions that will bring improvement. In our Bachelor's programme in **Health Sciences**, you will be trained to be just such a professional.

SOLVING PROBLEMS THAT AFFECT HEALTHCARE AT DIFFERENT LEVELS

How can you ensure a good level of healthcare at an affordable price? How can healthcare be organized in the most efficient and effective way possible? How do you decide whether an innovative treatment is better, safer and faster than the old one? These are the sort of questions that you will face during the course. You will learn to thoroughly analyze problems and to form an opinion based on your findings. You will acquire insight into the treatment

of individual patients (micro-level), organizational processes (mesolevel) and the effects of certain policies on nationwide healthcare (macrolevel). This will help you to look at healthcare from different perspectives. You will understand health and illness, organization and policy, technology in healthcare and research methodology. One distinguishing characteristic of our programme is that you will learn to apply scientific research in solving real-world problems, combining administrative, organizational and biomedical aspects.

AMPLE CAREER POSSIBILITIES

Current developments in healthcare are raising the need for health scientists who can provide a clear analysis and offer broad solutions for improving healthcare. Your possibilities once you enter the job market will be excellent, especially if you carry on to do a Master's after obtaining your Bachelor's degree. As a graduate, you will be able to work at hospitals, health insurance providers, residential care facilities, consultancy agencies, government institutes and in the medical industry. As a manager or project leader, you may implement new healthcare concepts. Or as an independent consultant, you may help streamline relationships between healthcare organizations. Working as a policymaker, for instance for the authorities, is another option. This would mean dealing with issues such as how to prevent problems in the public health sector. If you are more interested in research, you might test the effectiveness of new devices, or make the quality and safety of healthcare assessable. In short, our Bachelor's programme in Health Sciences will provide you with a lot of exciting job opportunities.

ADMISSION REQUIREMENTS

- Certificate equivalent to Dutch VWO (e.g. British A-levels, International Baccalaureate)
- Dutch (Staatsexamen NT2-II, CEFR level B2-C1)
- Mathematics, English

Would you like to find out more?

Check utwente.nl/go/hs-en

Please note that this programme is currently taught in Dutch. In the future, all our programmes will be taught in English.

Please keep an eye on our website

utwente.nl/go/hs-en for up-to-date information.

STUDIE IN CIJFERS		University of Twente Health Sciences	
Bachelor's, full-time		this programme	national average for this programme
student satisfaction on a scale of 1 to 5	★	3,6 ★★★★○	3,9 ★★★★○
number of first-year students	👥	46	194
contact hours in first year number of clock hours scheduled per week	🕒	12-18	12-18
advancement to second year of the programme	📈	86%	73%
bachelor's degree obtained within 4 years of university education	🎓	92%	78%
job opportunities work found within 1.5 years of obtaining a master degree	💼	94%	

21-05-2015 Studie in Cijfers for more info: www.studiekeuze123.nl



SANNE BENTUM

”
I AM GAINING A FIRM GRASP OF THE ENTIRE HEALTH CARE SYSTEM
 ”

“Health care is in the news every day, because of new research into the effects of drugs, or new technological developments. All those different subjects perfectly reflect what I study! By combining pure medicine and policy-related subjects, I am gaining a firm grasp of the entire health care system. One moment, we might be busy with biomedical issues, and the next the focus will be on organizational or social aspects of health care. For example, we recently looked into how security could be improved in operating rooms. Is more efficient communication the solution? Do we need to install new technologies? I find it very interesting to try and answer these questions. With my expertise, I will be able to contribute to optimizing the health care system. A position as Hospital Director sounds very ambitious at the moment, but I definitely see myself in a management position in the medical environment later on.”

**Would you like to find out more?
 Check utwente.nl/go/aph-en**

BUSINESS AND MANAGEMENT

INTERNATIONAL BUSINESS ADMINISTRATION



A LEAP FORWARD IN YOUR INTERNATIONAL CAREER

If you want to build a career in the international business world, then our Bachelor's programme **International Business Administration** is the right choice for you. Working alongside international students and learning how to interact with people from different backgrounds and cultures will give you an excellent head start in international business. And because our Bachelor's programmes are all taught entirely in English, you will also develop outstanding language skills.

MAKING IT IN A COMPLEX, INTERNATIONAL SETTING

Nowadays, most large companies operate on a global scale. They are often complex, influential, ambitious companies with strong leadership and a demanding business culture. In our programme, you will become familiar with essential corporate themes, such as finance, human resources, purchasing, development, strategy, policy and marketing. We will prepare you for an exciting career in a complex and international setting.

GET A TASTE OF BUSINESS CULTURE BY COMPLETING PRACTICAL TASKS

At the University of Twente, we want to make sure that our business students learn to think like designers, making innovative use of new technologies. In this programme, you will master both the theory and the practice of business and entrepreneurship. The practical assignments we set you in our projects will familiarize you with corporate operations and challenge you to systematically devise smart, innovative solutions. You will learn how to use

media and new technologies to explain and act on business-related problems, to estimate the impact of new technologies, and to successfully introduce high-tech innovations on the market. This emphasis on technology makes our Bachelor's programme in International Business Administration unique.

EXCITING INTERNATIONAL OPPORTUNITIES

Our programme offers you exciting international career prospects. Many students who complete a Bachelor's in International Business Administration go on to study Purchasing & Supply Management, Human Resource Management, Business Information Management, Innovative Entrepreneurship, Marketing & Strategy, Change Management, Innovation & Technology Management or Financial Management. As a graduate you can join a commercial company, a non-governmental organization, a government agency or a scientific institution – often starting out at management level. You could also become a consultant or start your own company. Having already touched base with internationally active companies, you will have a solid professional network and a head start in your career.

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

Please note that this programme is currently taught in Dutch. In the future all our programmes will be taught in English. Please keep an eye on our website utwente.nl/go/hs-en for up-to-date information.

 University of Twente International Business Administration Bachelor's, full-time	this programme national average for this programme	
	student satisfaction on a scale of 1 to 5	3,7 ★★★★★
number of first-year students	236	264
contact hours in first year number of clock hours scheduled per week	12-18	12-18
advancement to second year of the programme	75%	88%
bachelor's degree obtained within 4 years of university education	55%	76%
job opportunities work found within 1.5 years of obtaining a master degree	95%	

21-05-2015 Studie in Cijfers for more info: www.studiekeuze123.nl

Remarks by the Course Management:

In 2013-2014 the IBA programme introduced a new, intensive project-based curriculum. This led to a relatively higher number of drop-outs within the first year, while current progress shows a much higher number of students graduating within 3 years.



ANNA
PELLEGRINO

”
THE PROJECTS ARE A GREAT WAY TO TEST YOUR KNOWLEDGE, BUT ALSO YOUR GUTS
 ”

“After living in America for a year, I wanted to experience living in another country. I ended up at the University of Twente. The level of English is high here – and I had already fallen in love with campus life. One thing that attracted me to the International Business Administration (IBA) programme is that it covers different fields of business, like finance, accounting, marketing and supply chain management. In every module, you learn something new – and often in fun ways. In one module, we had to simulate an online company, taking over the management and making it profitable again. It tests your theory, but also your guts. Competition between the different project groups was pretty hot. In other modules, we got to work with real companies. Some graduates join up with students from the many technical programmes here to start a business; this university brings together many different kinds of people. It's also great to be surrounded by international students. In my year alone, we have 19 different nationalities. You learn to understand each other and solve problems together. I would like to be a marketing manager. But whichever way things go, it's great to have gained that international perspective.”

**Would you like to find out more?
 Check utwente.nl/go/iba-en**

BUSINESS AND MANAGEMENT

EUROPEAN PUBLIC ADMINISTRATION



COMBINING LOCAL AND NATIONAL PROBLEMS WITH GLOBAL POLITICS

Are you interested in national and international affairs, social problems and politics?

Then our Bachelor's programme in **European Public Administration** is for you. This is the only programme in Europe that combines two disciplines: European Studies and Public Administration – a combination that will give you an edge when you enter the job market. With the blurring of international borders and the increase of social problems on a global scale, there is a great need for specialists in this area.

LEARN HOW TO TACKLE INTERNATIONAL PROBLEMS

Take a problem like cybercrime. You have probably received one of those emails at one time or another in which an unknown sender asks you for your bank details, usually in broken English. This type of email is usually sent to you from outside your own country. This means the local government cannot do much against it – the only solution is for governments to work together on an

international scale. To contribute to this kind of international collaboration, you need a working knowledge of different international political systems and cultures, negotiation skills and, of course, excellent English language skills.

A SOLID THEORETICAL FOUNDATION AND INDISPENSABLE PRACTICAL SKILLS

In the European Public Administration Bachelor's programme, you will learn a

theoretical foundation in four important areas of study: economics, political science, sociology and law. You will also become familiar with policy and public management, so that you will know how to approach problems at company and government level. You will learn about different levels of administration, too: local, national, European and international. After a year and a half, you can specialize in European Studies or Public Administration, or a combination of both. Developing vital practical skills is also a part of this programme, such as conducting research, planning, discussing and presenting solutions. Project-led education is important to us; in small projects centred on real-world problems, you will learn to work alongside people with different nationalities. Your English will quickly improve, too.

TAKING ON COMPLEX ADMINISTRATIVE ISSUES

Once you've finished studying European Public Administration, you will have a great advantage in the job market. You will be able to tackle complex administrative difficulties from an academic standpoint, and thanks to your knowledge of national and international administration, you will know how to produce realistic solutions. You will have a lot of career opportunities to choose from. You may choose to work for a ministry, an (international) government agency or organization, a consultancy agency, a trade union, a humanitarian organization or a university.

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

 University of Twente European Public Administration Bachelor's, full-time		this programme	national average for this programme
student satisfaction on a scale of 1 to 5	 3,4 ★★★★★	3,4 ★★★★★	
number of first-year students	 137	137	
contact hours in first year number of clock hours scheduled per week	 12-18	12-18	
advancement to second year of the programme	 -	-	
bachelor's degree obtained within 4 years of university education	 60%	60%	
job opportunities work found within 1.5 years of obtaining a master degree	 -	-	

21-05-2015 *Stude in Cijfers* for more info: www.studiekeuze123.nl

Remarks by the Course Management:

The percentage of students obtaining a bachelor's degree within four years is based on figures gathered over the past four years. The recently introduced educational model (2013) will expectedly increase the success rate.



” MY DREAM? JOIN THE CSR TEAM AT A SOCCER CLUB ”

“I chose European Public Administration because it combines various aspects of political science. From a national to a global level, you learn all about how governments – as well as the European Union – work. What I like about studying here is the practical, problem-solving approach to how states, governments, companies and institutions interact. Learning more about the growing influence of non-governmental organizations, or NGOs, is fascinating, too. The fact that this is a technical university did not really affect my decision. But it is definitely noticeable, even if only by the fact that here you're in touch with all the latest technologies. For example, I first discovered the challenge of the Pecha Kucha presentation format here at the UT. My goal is to gain a broad overview of political and societal issues and processes and to get a clearer understanding of how political actors operate and interact – and why. After my Bachelor's, I'd like to do some internships with NGOs. After that, I may do a Master's in Political Science and hopefully be able to put my knowledge to use for an NGO. My dream is to work with the Corporate Social Responsibility (CSR) team at a football club.”

Would you like to find out more?
Check utwente.nl/go/epa-en

BUSINESS AND MANAGEMENT

INDUSTRIAL ENGINEERING AND MANAGEMENT



GETTING THE BEST OUT OF ORGANIZATIONS AND BUSINESS PROCESSES

Our Bachelor's programme in **Industrial Engineering and Management** will equip you to use models and techniques to systematically analyze the strengths and weaknesses of a company – and to implement improvement measures. You will learn how to make organizations and business processes more efficient, maximize profit, minimize risk, and boost competitiveness and operational quality. Our programme will teach you how to effectively implement the required changes and evaluate their effects on the organization, its personnel, finances and market position. In order to do this successfully, you will combine knowledge from the fields of business administration, ICT, mathematics and engineering.

YOU WILL WORK ON ISSUES CURRENTLY BEING EXPERIENCED BY PROMINENT COMPANIES

The Industrial Engineering and Management programme focuses on several sectors, particularly industry, transport, healthcare and the financial sector. During projects and graduation projects, you will work on issues currently being faced by prominent

companies in these sectors. What makes our programmes stand out at the University of Twente is our project-led education: during each ten-week module, you will carry out a project in a small group, while the relevant theory is woven into the module. In your project team, you will work with other students to solve a specific problem related to the module's theme.

On top of this, our programme offers a wide variety of course options. For instance, many of our students make use of the opportunity to study abroad for six months, or to take an international internship.

EXCITING AND WELL-PAID JOB OPPORTUNITIES

In terms of job prospects and starting salaries, Industrial Engineering and Management is one of the best programmes you can take. There is always demand for IEM professionals, even in times of economic downturn. Do you fancy a job as production manager at Unilever? Or do you see yourself in the role of financial analyst at Philips? If healthcare is more to your liking, then maybe you are cut out to be an operational supervisor at a leading healthcare institute. These are just a few of the many possibilities that will be open to you once you have your degree in Industrial Engineering and Management. A job as logistics account manager at Coca-Cola or master planner at Friesland Campina may also be an option. Whatever you decide on, one thing is for sure: as a specialist in Industrial Engineering and Management from the University of Twente, you will be able to bring together technical solutions and a keen awareness for society's needs like no one else: high tech, human touch.

ADMISSION REQUIREMENTS

- Certificate equivalent to Dutch VWO (e.g. British A-levels, International Baccalaureate)
- Dutch (Staatsexamen NT2-II, CEFR level B2-C1)
- Mathematics, English

Please note that this programme is currently taught in Dutch. In the future, all our programmes will be taught in English. Please keep an eye on our website utwente.nl/go/iem-en for up-to-date information.

STUDIE IN CIJFERS		University of Twente Industrial Engineering & Management Science	
Bachelor's, full-time		this programme	national average for this programme
student satisfaction on a scale of 1 to 5	★	4,1 ★★★★	4,1 ★★★★
number of first-year students	👥	106	194
contact hours in first year number of clock hours scheduled per week	🕒	12-18	12-18
advancement to second year of the programme	➡	86%	86%
bachelor's degree obtained within 4 years of university education	🎓	42%	65%
job opportunities work found within 1.5 years of obtaining a master degree	💼	100%	

21-05-2015 Studie in Cijfers for more info: www.studiekeuze123.nl



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

“Studying in Enschede is wonderful; I really like it here. But the decisive factor in my choice for the University of Twente was that it combined my interest in engineering and business. What I like about the Industrial Engineering and Management programme is that you learn to look at business processes with a helicopter view and from different perspectives. One way of doing this is to use mathematical models. Whether it has to do with production planning or logistical processes, you learn to solve real-life business problems by taking a technical approach. The range of possibilities after you finish studying is incredibly wide, because you have developed such a multidisciplinary vision. In the business world or at government level you can choose to follow a management career, or you can go into consultancy or marketing. The management side of things is what I'm interested in. In the end, that is my goal: to be the link between different divisions in a large company and to help improve communication, for example. After graduating or during my Minor, I would like to gain experience abroad – get a taste of the international market. And this programme provides lots of opportunities for that.”

**Would you like to find out more?
 Check utwente.nl/go/iem-en**

SOCIAL AND BEHAVIOURAL SCIENCES

COMMUNICATION SCIENCE



UNIQUE EMPHASIS ON DIGITAL MEDIA AND TECHNOLOGY

The way people and organizations communicate is changing. The rapid emergence of new communication technologies and trends is continuously pushing organizations forward. In order to keep up, they need professionals who not only understand communication, but also have insight into the impact and possibilities of technological developments. At the University of Twente, we train communication professionals to meet that profile. Our combination of **communication science** with digital media and technology is unique. The bachelor's programme Communication Science is English-taught.

DEVELOPING PRACTICAL SOLUTIONS BASED ON THEORY

As a university known for its high-tech studies, we think it is only natural that communication specialists learn to think like an engineer. In our Bachelor's programme in Communication Science, you will learn to systematically search for solutions to practical communication problems by using theory and research. Studying in a high-tech environment, you will become well-versed

in using social media to launch new products. You will be aware of the effect communication has on an organization's reputation and image, and you will be well equipped for finding an effective solution to whatever problem you face.

SMALL-SCALE, PROJECT-LED AND INTERNATIONAL

Throughout the programme, you will cover themes that are essential to communication

professionals in different organizations: marketing communication, corporate communication, social media and networking, and technical communication. Our programme's signature feature is its project-based education. Each module is based on a project, in which you will work together with a small group of fellow students, combining theory and research skills to come up with a communication-based solution for a client's problem. We work on a small scale, in an informal environment and with an emphasis on personal development. We also offer you the opportunity to study or do an internship abroad.

GETTING TO WORK AS A COMMUNICATION PROFESSIONAL

As a graduate in Communication Science, you will be an academic with an added value for modern organizations in complex environments. You will be able to think and act as a communications specialist and engineer. After your studies, you will have the option of starting to work as a communications advisor, press secretary, consultant or (online) marketer in the business world, in the public sector, in the media sector, at a consultancy office or in research.

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)

For more information about the admission requirements, please check out our website: utwente.nl/go/cs-en

 University of Twente Communication Science Bachelor's, full-time		this programme	national average for this programme
student satisfaction on a scale of 1 to 5	★	3,9 ★★★★☆	4 ★★★★☆
number of first-year students	👥	114	202
contact hours in first year number of clock hours scheduled per week	🕒	12-18	12-18
advancement to second year of the programme	👉	64%	77%
bachelor's degree obtained within 4 years of university education	🎓	75%	79%
job opportunities work found within 1.5 years of obtaining a master degree	💼	90%	

21-05-2015 Studie in Cijfers for more info: www.studiekeuze123.nl



MAYKE BEEN

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

“Handling communications during organizational changes; influencing consumer behaviour regarding a new product; managing the reputation of a soccer club – Communication Science comes in handy wherever information is transferred or exchanged. The psychological side is the part I enjoy; in fact, I looked into several Psychology programmes before choosing this one. The combination of communication, marketing and psychology appealed to me. One thing I really like here is that in doing projects and being in touch with clients you have the freedom to come up with new ideas. Because communication always involves people, each assignment requires a different approach. The fact that this is a technical university is evident to me from the very systematic way in which we're taught to work here. It suits me. Being at this university also means you get more insight into technological developments, like the growing role of internet and social media – not just in research but also when it comes to creating or launching a new product. The strong emphasis here on applied communication and on learning to think like an engineer means that later on, when I am a communication professional, I will be able to handle almost any problem.”

**Would you like to find out more?
 Check utwente.nl/go/cs-en**

SOCIAL AND BEHAVIOURAL SCIENCES

PSYCHOLOGY



THERE IS NOTHING AS FASCINATING AS HUMAN BEHAVIOUR

There is nothing as fascinating as human behaviour and the study of what causes it and how it can be influenced. If you agree, our Bachelor's programme in **Psychology** is for you. In this English-taught programme, you will get acquainted with the most important fields of psychology and learn how to observe, explain, predict, and influence both normal and deviant behaviour. On top of that, you will have the benefit of studying in a high-tech environment. At a time in which technology is becoming more and more important in everyday life, this will give you a major advantage.

OUR PSYCHOLOGY PROGRAMME IS UNIQUE

Unlike many other Psychology programmes in the Netherlands, we focus as much on the theory as on the practical side of psychology. In our programme, you will learn how to systematically analyze psychological problems and design creative solutions by means of behaviour modification. As a university known for its technical studies, we think it is 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: smart phone apps that you can use to warn people about dangerous situations, or new Internet therapy methods. You don't have to be a hard 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. The student-teacher ratio is low, so students and teachers work together in a pleasant and 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 with the police force, as a psychologist in the military or as an advisor in the government. In the mental healthcare sector, you can work 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. You can help develop teaching strategies in the non-profit or commercial sector, or help people with learning difficulties. Even the (international) business world welcomes psychology graduates, for example as usability experts. In short, there are plenty of opportunities.

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)

For more information about the admission requirements, please check out our website: utwente.nl/go/psy-en

University of Twente Psychology		national average for this programme
Bachelor's, full-time		
student satisfaction on a scale of 1 to 5	3,6 ★★★★☆	4 ★★★★☆
number of first-year students	235	420
contact hours in first year number of clock hours scheduled per week	12-18	12-18
advancement to second year of the programme	88%	80%
bachelor's degree obtained within 4 years of university education	65%	80%
job opportunities work found within 1.5 years of obtaining a master degree	86%	

21-05-2015 Studie in Cijfers for more info: www.studiekeuze123.nl



MICHEL KEIL

” YOU CAN USE POSITIVE PSYCHOLOGY TO BRING OUT THE BEST IN PEOPLE ”

“My choice for Psychology was partly influenced by my travels through Latin America. I was inspired by the relationships, social themes and cultural beliefs I encountered there. Back in Europe, I looked for a way of combining those experiences with my European outlook. In the future I want to offer professional support to people with mental health problems. The University of Twente’s mission and its modern attitude towards psychology match that ideal perfectly. In addition to clinical psychology, you can also delve into positive psychology here. There is currently a lot of research going on in the area of positive psychology and as a student you get to be involved in those developments. The UT also strongly emphasizes the relationship between psychology and technology. This year, for instance, we analyzed the prototype for a game designed for iPhones. It had to do with observing and processing information; the main goal was to gain insight into how people react when they see something for the first time. My dream is to combine psychotherapy with meditation, nutrition, sports and coaching. I believe you can use positive psychology to bring out the best in people. You can really impact behaviour.”

**Would you like to find out more?
Check utwente.nl/go/psy-en**

PRACTICAL INFORMATION



ARRANGING VISA / RESIDENCE PERMIT

If you have already been admitted to the University of Twente and you need to obtain a visa, you can rely on the University's International Office to help you. The International Office will contact you after your admission and guide you through all the required visa and residence procedures.

A PLACE TO LIVE

The University of Twente's International Office helps international students find accommodation on and off campus. You will receive a link to the online housing application form after admission.

WHEN YOU ARRIVE

At the start of every semester, the University of Twente organizes an

introductory programme for new international students. It's called the Kick-In. Staff and fellow students will be at the ready to help you complete all the necessary registration procedures.

To find out more about the support on offer to students who have just been admitted to the university, go to utwente.nl/go/internationalstudents

TUITION FEES

If you are a citizen of the European Union/European Economic Area (EU/EEA), you will pay lower fees at Dutch universities than students who come from outside Europe (non-EU/EEA). This is because Dutch universities do not receive government funding for non-EU students. The table below lists the current tuition fees.

START ACADEMIC YEAR 1 SEPTEMBER	STUDY PROGRAMME	TUITION FEES PER YEAR
EU/EEA nationalities*	All (except ATLAS)	€ 1,951
Non-EU/EEA nationalities	Non-technical	€ 7,594 (Bachelor) € 10,849 (Master)
Non-EU/EEA nationalities	Technical	€ 8,678 (Bachelor) € 13,561 (Bachelor)

UNIVERSITY OF TWENTE; START ACADEMIC YEAR 1 SEPTEMBER	TUITION FEES PER YEAR
EU/EEA nationalities*	€ 3,902
Non-EU/EEA nationalities*	€ 10,629

* The fees for 2016–2017 will be published in the first quarter of 2016. For the latest news on fees, please go to our website at: utwente.nl/student-services/en

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

INTERNATIONAL STUDENT ASSOCIATIONS

Each university in the Netherlands has a network of associations that bring students together for academic activities, sports and recreation. All of these associations are run by students and some are specially geared towards international students. Three of the larger international student associations – AIESEC, AEGEE and the Erasmus Student Network (ESN) – are active at the University of Twente.

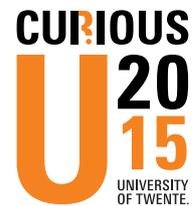
The AIESEC network is the largest student-run organization in the world. It operates in over 2,400 universities across the globe. Its main goal is to provide students with leadership training and internship opportunities. The network includes over 86,000 members in 113 countries and territories. **For more information, go to aiesec.nl**

AEGEE-Enschede is part of Europe's largest student network. It organizes many activities in

Enschede and, members have the opportunity to travel abroad and visit conferences, parties and cultural events throughout Europe. **For more information, go to aegee.org**

The Erasmus Student Network provides opportunities for cultural understanding and self-development, operating on the principle of 'students helping students'. **For more information, go to esn.org**

CURIOSU: SUMMER SCHOOL MEETS SUMMER FESTIVAL



CuriousU is a great way to get to know our university and to pick up some valuable knowledge and skills. A festival-style summer school of one week, it offers you a range of high-tech courses and a taste of living and working on the only American-style campus in the

Netherlands. The first edition of CuriousU took place in 2015, featuring numerous well-known speakers and top-notch entertainers. The 2016 edition will offer lectures and workshops on key research topics, such as health, serious gaming, design

and entrepreneurship – and at all levels, from beginner's to advanced. The evenings are reserved for fun social activities: music, science, movies and much, much more. Keep an eye on our website for programme details. **utwente.nl/curiousu**

SCHOLARSHIP

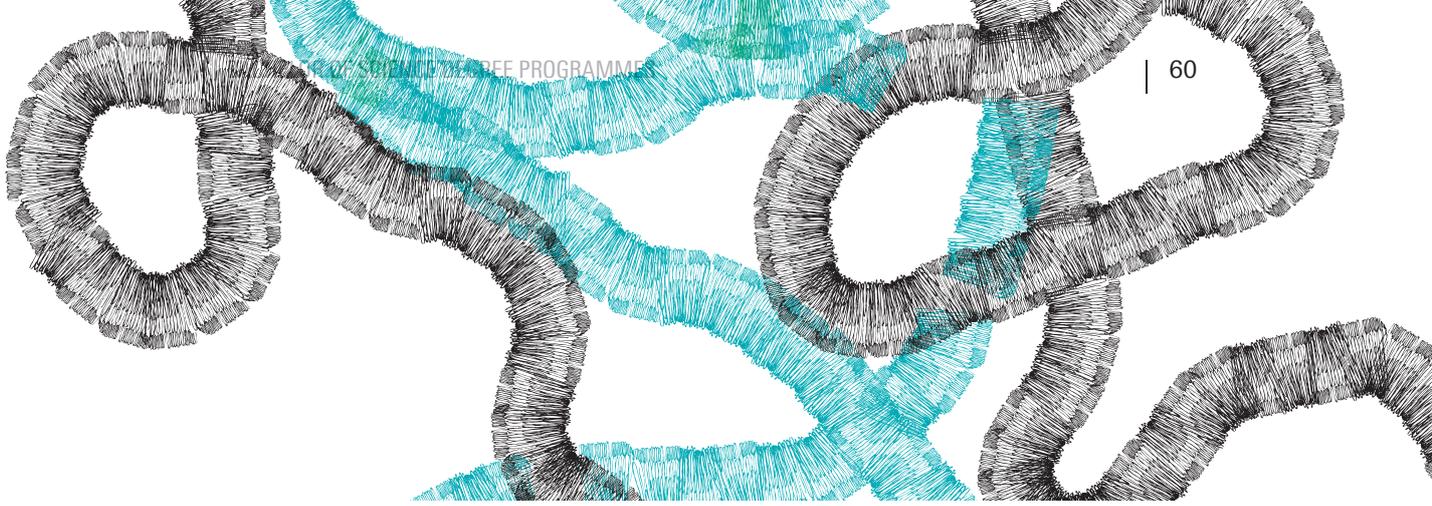
BACHELOR'S SCHOLARSHIP

University College Twente offers an interdisciplinary Bachelor's programme for top students, integrating social and technical perspectives to create a new approach to engineering. The programme is called the Academy of Technology and Liberal Arts & Sciences (ATLAS). Students admitted to the programme but

unable to participate for financial reasons are eligible for various scholarship and grant schemes. Our own Scholarship Fund (ASF utwente.nl/go/asf) awards scholarships to foster the excellence and the diversity of our student population. For a complete overview of scholarship possibilities, go to **utwente.nl/go/asf**

STUDENT FINANCE

If you are under the age of 30 and are registered in full-time education or a work-study programme, you can apply for student finance. You must be a Dutch national or have the same rights, based on your residence permit or your nationality. Want to find out more? Go to **duo.nl/particulieren/international-student**



ADMISSION AND ENROLMENT

ADMISSION

If you are a prospective student holding a foreign secondary school diploma equivalent to a Dutch pre-university diploma (VWO), you may be admitted to a Bachelor's programme at the University of Twente on the condition that you have passed your final exams in the relevant subjects. For questions about the admissibility of diplomas, please contact the Admission Office: utwente.nl/admissionoffice

YOUR ALL-IMPORTANT FIRST YEAR

Your first year at university is a moment of truth: it's when you discover whether you have selected the right programme for you and whether you are up to the challenge. If there is any doubt about this, you will receive what is known within Dutch higher education as an 'interim written recommendation'. This general assessment will enable your study advisor to see where the problem lies and to help you find alternatives if needed. At the end of the year, all students receive a 'binding recommendation' telling them whether or not they are able to proceed with the programme. In most cases, students receive a positive recommendation if they have obtained 45 of the 60 credits that make up the first year. University College Twente is an exception to this rule, as its students have to score 60 out of 60 in their first year. However, the recommendation is not

based on grades alone. Special circumstances such as illness or other personal issues are also taken into account. A negative recommendation is binding and means that you will not be able to continue the programme. The aim of this procedure is to get everyone on track and on the right programme as efficiently as possible.

ENROLMENT

You first need to enrol for your programme online using Studielink. From every programme featured on our website (utwente.nl/en/education/bachelor) you can click through to Studielink. You can also use this link to register with the Education Executive Agency (DUO). Once you have enrolled we will send a registration pack to your home address so that you can finalize your registration.

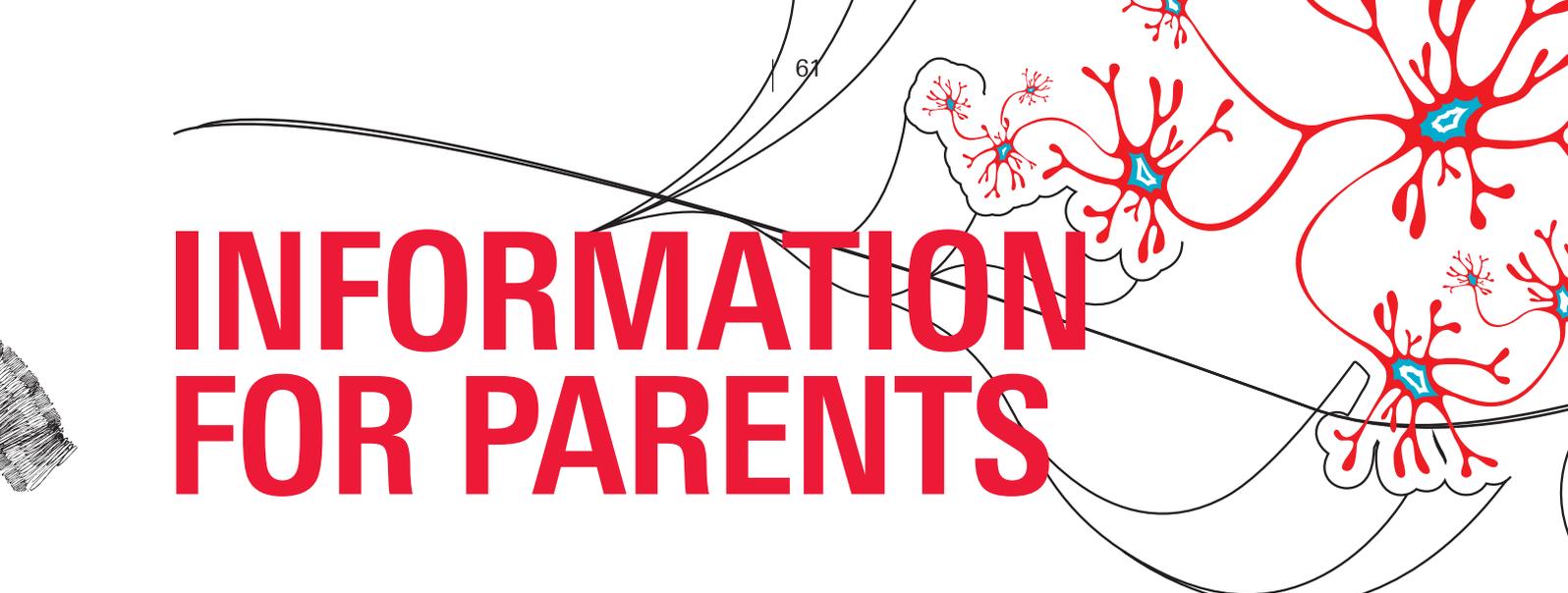
Are you an international student and is your secondary education not comparable to the Dutch VWO diploma? However, you would like to take one of our English-taught programmes? The University of Twente and the Holland International Study Center offer you the possibility to take a preparation year after which you will be admissible to our English-taught programmes. Check utwente.nl/go/studygroup

DEADLINES

These are the deadlines for admission to our programmes.

START ACADEMIC YEAR 1 SEPTEMBER	DEADLINE
UNIVERSITY COLLEGE TWENTE STUDENTS	1 APRIL
OTHER PROGRAMMES (VISA STUDENTS)	1 MAY
OTHER PROGRAMMES (NON-VISA STUDENTS)	1 JULY

For the latest information on admission deadlines, please go to utwente.nl/admissionoffice/bachelor



INFORMATION FOR PARENTS

HELPING OUR INTERNATIONAL STUDENTS REACH THEIR PERSONAL AND ACADEMIC POTENTIAL

At the University of Twente we recognize that finding the university that best fits a student's academic needs is only part of the university search. **Selecting a university that can provide a stimulating living and learning environment is also key.** The following information about the University in general and campus facilities in particular is designed to help parents of new international students get acquainted with life at the University of Twente.

A 'TWENTE WELCOME' FOR OUR NEW INTERNATIONAL STUDENTS

Our goal is to help every student reach their full potential, which is why we do everything we can to ensure that your son or daughter's 'Twente experience' is a positive one. We welcome our new international students with a free pick-up service from the airport or train station on selected dates. Upon arrival at the campus, our international students currently studying at the UT will be on hand to assist with campus and general orientation. In addition, we offer personalized help with visa administration, language classes, as well as general advice and events to help students settle in to life in Twente.

COST OF LIVING AND HOUSING

International students may find that living expenses in the Netherlands are higher than in their home country. However, results from international surveys show that among all Dutch universities, the University of Twente has the lowest costs of living and accommodation.

While exact costs depend largely on lifestyle, for most students, average monthly spending on food will come to approximately € 175 per month. Around € 400 per month should be budgeted for rental accommodation. Twente's International Office provides support for international students seeking furnished accommodation, both on and off campus.

PERSONAL SAFETY

The Netherlands is one of the most stable and peaceful countries in the world, and has consistently low rates of crime and theft. This is particularly true in the east of the country, where University of Twente is located. Though students need not be overly worried about their personal safety while studying at Twente, one should always be alert when in public spaces.

LANGUAGE

The Dutch language is known for being difficult to learn and to pronounce. Fortunately, however, almost every Dutch citizen has English as a second language, so

making oneself understood is seldom a problem. Communication is especially unproblematic on campus, however, where almost everyone can write and speak English at a high level. In addition to English, quite a few Dutch people also speak some German and/or French.

DUTCH HEALTHCARE

Students (without internships) from EU and EEA countries, as well as Swiss citizens, are able to access the Dutch healthcare system under their home country's national insurance scheme at no additional cost. For international students arriving from all other countries, insurance coverage is a Dutch visa prerequisite. The International Office assists with arrangements for health and liability insurance. To ensure that all formalities can be arranged on time, please inform International Office of an expected date of arrival in the Netherlands, as soon as possible. For more information, visit the website utwente.nl/internationalstudents



PHOTOGRAPHY

Eric Brinkhorst
Rikkert Harink
Gijs van Ouwerkerk
Enschede Promotie

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GET A TASTE OF YOUR OWN 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
- Student for a day

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The Netherlands

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