

ACADEMIC YEAR 2025-2026

MASTER'S PROGRAMMES



30+
MASTER'S PROGRAMMES



5,042
MASTER'S STUDENTS



1.5KM²
LARGEST ALL-IN CAMPUS



12,492
STUDENTS IN TOTAL



4,291
INTERNATIONAL STUDENTS

UNIVERSITY OF TWENTE.



ABOUT UT

Based in Enschede in the east of the Netherlands, the University of Twente is leading in new technology to drive change, progress, and innovation in society. With three powerful research institutes and around 400 labs, our students, scientists and educators have access to a first-class research and learning environment. And all that on a vibrant campus where students from all over the world come together.

QUICK FACTS



1ST

IMPACT RANKING (THE) ON INDUSTRY, INNOVATION AND INFRASTRUCTURE



184

TIMES HIGHER EDUCATION RANKINGS (THE)



210

QS WORLD UNIVERSITY RANKINGS



1ST

ENSCHDE BEST CITY FOR STUDENT HOUSING IN THE NETHERLANDS



260

EXCHANGE PARTNER UNIVERSITIES WORLDWIDE

FIELDS OF STUDY

Business Studies & Public Policy
 Education & Educational Sciences
 Engineering & Technology
 Geo-Information Science & Earth Observation
 Health Sciences
 Information Technology
 Natural Sciences
 Social Sciences



4 REASONS TO STUDY AT THE UNIVERSITY OF TWENTE

Are you looking for a master's at a top-class university in Europe that aims for societal impact through high-quality education, research, and entrepreneurship? The University of Twente offers a wide range of highly rated, innovative master's programmes. Studying with us will give you excellent international experience and an outstanding kick-start for your future career.

1. A TECHNICAL UNIVERSITY THAT PUTS PEOPLE AND PLANET FIRST

Do you want to contribute to a healthier, smarter, and more sustainable world? Then you are a perfect fit to be part of the University of Twente (UT). All of our education and research is aimed at coming up with solutions for today's challenges. Whether it's about improving food security in low-income countries, devising a smart app that can support patients with diabetes, or realising the transition to electric vehicles. With a UT master's degree, you can make a difference!

2. BENEFIT FROM A PERSONAL APPROACH

Do you have a question for your teachers outside lecture time? Just knock on their office doors! Our university is small-scale, meaning the lecturer knows your name and helps you personally. As a result, you do not only benefit from personalised teaching, you also quickly feel safe and at home.

3. OVER 1,200 START-UPS, WILL YOU BE NEXT?

At UT, you can turn your business idea into reality. Since its founding in 1961, UT has become an international platform for talent, attracting students who all share a curious, entrepreneurial spirit. With over 1,200 start-ups to its name, UT is recognised as one of the most entrepreneurial universities in the Netherlands. Did you know that big international companies like Booking.com and Just Eat Takeaway were once founded by students of UT? We are keen to put your scientific knowledge to practical use in solutions to today's complex challenges. Your innovative ideas, creativity and the courage to put in the extra mile will be rewarded.

4. GAINING EXPERTISE WHILE BROADENING YOUR HORIZON

We know that problems cannot be solved through one discipline. That is why we highly value interdisciplinary collaboration.

At UT, you will not only be able to gain in-depth expertise and become a specialist in your own field, you will also learn to look beyond the boundaries of your own discipline. So don't be surprised to see that you can follow courses of other master's programmes, or collaborate in a project with students from a different background!



SCAN THE QR TO LEARN MORE ABOUT YOUR
FUTURE UNIVERSITY



ut.onl/aboutut



Technical Medicine students at work in an operating room in the TechMed Centre

GET TO KNOW US AND EXPERIENCE UT



ONLINE OPEN DAY
20 NOVEMBER 2024



MASTER OPEN DAY (ON-CAMPUS)
21 NOVEMBER 2024
20 MARCH 2025



ONLINE MEET-UP WITH A STUDENT
ALL YEAR

TUITION FEES

The tuition fee you have to pay depends on two factors: your nationality and your master's of choice. Below are the tuition fees for the whole academic year if you start in September. Note that some of our master's have different fee structures and application fees may apply.

EU/EEA STUDENTS

If you are a national of an EU/EEA country, you will likely have to pay the so-called 'statutory tuition fee'. Below is the tuition fee for the academic year **2024-2025**. At the time of publishing, the rates for the academic year 2025-2026 were not determined yet. To view the latest information, scan the QR code on the right.



2,530

STATUTORY FEE (2024/2025)

NON-EU/EEA STUDENTS

If you are a national from outside the EU/EEA, you likely have to pay the so-called 'institutional fee'. Below are the tuition fees for the academic year **2025-2026**.



18,900

INSTITUTIONAL FEE FOR BETA PROGRAMMES (2025-2026)



15,800

INSTITUTIONAL FEE FOR ALPHA/GAMMA PROGRAMMES (2025-2026)

FINDING A SCHOLARSHIP

UT offers scholarship opportunities for excellent students enrolling in UT master's. Scan the QR code on the right to find out which scholarships are available.

CHECKLIST

REQUIRED DOCUMENTS

- ✓ Degree(s) certificate(s)
- ✓ Transcript of records of your degree(s)
- ✓ CGPA and grading scale of your degree(s)
- ✓ English language tests
- ✓ Course descriptions
- ✓ Thesis abstract
- ✓ Motivation and/or reference letter
- ✓ Passport
- ✓ CV and/or portfolio
- ✓ Financial statement

These documents are examples of files required by UT if you want to enter the admission process. Which documents are exactly required depends on your previous education and the master's you want to apply for. Without the required documents, the application cannot be processed.

COST OF LIVING



14,778

TOTAL ANNUAL COSTS

Before coming to study at UT, you must also consider the cost of living in the Netherlands. Count on a total cost of living of around €15,000 per year (excluding tuition fees). EU/EEA students may spend less as they do not need visas and extra insurance costs.

DEADLINES & ADMISSION

REQUIREMENTS FOR INTERNATIONAL STUDENTS

| | | START SEPTEMBER 2025 | START FEBRUARY 2026 |
|-------------------|---|----------------------|---------------------|
| Visa students | 1. Submit a complete application (online via Studielink & Osiris) before: | 1 May | 1 October |
| | 2. Accept offer of admission before: | 1 June | 1 November |
| | 3. Submit the final certified photocopies deadline before: | 1 September | 1 February |
| Non-visa students | 1. Submit a complete application (online via Studielink & Osiris) before: | 1 July | 1 December |
| | 2. Submit offer of admission before: | 1 August | 1 January |
| | 3. Submit the final certified photocopies deadline before: | 1 September | 1 February |

Please note: some programmes have deviating deadlines. Scan the QR or visit the website to see which. The application deadline is based on nationality. Your current nationality is leading, even if you have a Dutch or European residence permit. For example: if you have a Mexican nationality and hold a Dutch residence permit, your nationality is Mexican (not Dutch).

THESE ARE THE GENERAL ADMISSION REQUIREMENTS:

1. A relevant bachelor's degree (or equivalent qualification) from a university or other accredited academic institution
2. Sufficient command of English.
To prove your proficiency in English, you need to hand over IELTS, TOEFL iBT or Cambridge test results (no other tests will be accepted). For these tests, you need to score a minimum overall score as well as a minimum score on each section of the tests.

| | IELTS | TOEFL | CAMBRIDGE |
|--------------------------------|-------|-------|-----------|
| Overall minimum score: | 6.5 | 90 | 176 |
| Minimum score on each section: | 6.0 | 21 | 169 |

3. Additional requirements (certificates no older than 2 years):
 - a. GMAT, score 600 or GMAT Focus, score 550 (only for Business Administration applicants)
 - b. GRE or GMAT certificate (only for Industrial Engineering & Management applicants)

Additional programme-specific requirements can be found on the website of the master's of your interest. You can also do an eligibility check there. Starting your application before completing your bachelor's degree is possible. You may be granted conditional acceptance based on your transcripts, curriculum details, relevant research, and expected graduation date. But before you can start your master's, we require proof that you have obtained your bachelor's degree.

NEED TO FOLLOW A PRE-MASTER'S FIRST?

If you are not directly eligible for the master's, but your previous education is sufficiently related, you might be admitted under the condition that you complete a pre-master's first. A pre-master's is a bridging programme that prepares you for your future master's, helping you to improve certain skills or gain the knowledge that is needed.



SCAN THE QR TO FIND OUT MORE ABOUT FINANCE, ADMISSION REQUIREMENTS AND THE APPLICATION PROCESS

ut.onl/application



HOW TO APPLY?

Your application starts by applying for the programme of your choice on the Studielink website. Before applying, international students must fill in the mandatory eligibility check on our website. Keep the application deadline in mind!

Are you an international student intending to apply for a scholarship programme? Then we advise you to start your scholarship application as soon as possible.

UNIVERSITY CAMPUS

One of the University of Twente's crown jewels is undoubtedly the campus. A green and lively environment that covers 146 hectares - approximately 200 football pitches. Here, you can find everything you need to learn, work and live.

QUICK FACTS



380
LAB FACILITIES



3,000
STUDENT APARTMENTS



137
ASSOCIATIONS



**WANT TO EXPLORE
THE CAMPUS?
JOIN A VIRTUAL
TOUR!**

1 LIVING

The University of Twente is the only all-in campus in the Netherlands. It is like living in a small village with 3,000 student houses and apartments. There are plenty of facilities, such as a grocery store, a bar, a gym, a laundromat, healthcare facilities, and even a hairdresser's. And the best part: the city centre of Enschede is only a 10-minute bike ride away! Curious how to find housing, on- or off-campus? Scan the QR on the right page to find out more.

**SUPERMARKET COOP
VESTINGBAR
STARBUCKS**

2 SPORTS

On our campus, you can play almost any sport imaginable, from bouldering, soccer, water polo, table tennis, hockey, basketball, survival run, (beach) volleyball to even quidditch. There are up to 38 sports associations you could join.



And you can make use of world-class sports facilities, like a fitness centre, a running track, tennis courts, multisports fields, and an indoor and outdoor swimming pool, to name some options.

UTRACK
CLIMBING WALL
BOOTCAMP TRACK

3 RESEARCH

If you study at UT, you study at a world-renowned top research university, with access to cutting-edge research facilities. Our campus is home to state-of-the-art research institutes and up to 380 lab facilities in the field of nano- and biomedical technology, IT, technical medicine, governance and behavioural sciences, engineering and geo-information science and earth observation.

NANOLAB
HIGH PRESSURE LAB
SUPERSONIC WIND TUNNEL

4 EDUCATION

Your lectures will take place in various educational buildings. Conveniently, these are all located on campus in close proximity to each other, so you never have to go far to get to your next lecture! Are you looking for a quiet place to study, or to work on your project? Many buildings offer study spaces as well as project rooms that you can book. Or you could study for your exams in Vrijhof, the University Library.

DESIGNLAB
TECHMED CENTRE
UNIVERSITY LIBRARY



SCAN THE QR TO EXPLORE
THE CAMPUS

ut.nl/campusoverview





QUICK FACTS



1,200+
UNIVERSITY START-UPS



60,000+
ALUMNI WORKING WORLDWIDE



177
COUNTRIES WHERE ALUMNI WORK

CURIOUS TO SEE WHERE OUR ALUMNI WORK?

When you complete your studies at UT, you will be in splendid company. UT graduates possess a wealth of theoretical knowledge alongside strong practical know-how. Perfect for a 21st-century professional!

Find our alumni on LinkedIn

Curious to see how far former students have gone? Scan the QR code on the right page to access the alumni tool at LinkedIn and see where graduates of the University of Twente work.

YOUR FUTURE CAREER

Obtaining a master's degree at the University of Twente is a great way to kick-start your career. Thanks to our challenge-based learning approach, you will be perfectly prepared for the real-life challenges you might come across in your future job. Have you already thought about what you will do after graduation? Here are three options for your future career.

1. DIVE INTO THE JOB MARKET

Going straight for a professional job after your master's can be a great option. Graduates of the University of Twente have gone on to secure jobs at major companies and organisations around the world. Looking locally? Twente is an entrepreneurial region rich in knowledge and tech. UT offers plenty opportunities to get your career off to a flying start, with great internship options, career counselling, relevant workshops and networking events such as the Business Days or a Career Cafe with alumni.

BUILD YOUR NETWORK IN KENNISPARK TWENTE

The University of Twente is located at Kennispark Twente, a prime location for entrepreneurial talent and innovation. It is one of the top 3 largest science parks in the Netherlands with more than 400 (high-tech) companies and over 10,000 people working there. Entrepreneurs, the government, and research institutes join forces here to create global impact, making it a breeding ground for innovative start-ups. An inspiring environment to study, and, who knows, kick-start your career!

2. START YOUR OWN BUSINESS

Do you have a great business idea? At UT, you can turn it into reality. We highly encourage entrepreneurship! In fact, UT has been voted the most entrepreneurial university in the Netherlands multiple times. We have a unique approach of putting scientific knowledge to practical use and turning expertise into solutions to complex global challenges.

As one of the most entrepreneurial universities in the Netherlands, we have gained a good reputation for facilitating start-ups. This has resulted in more than 1,200 start-ups, such as Booking.com, Scisports, Fokker Aerostructures, Robird/Clear Flight Solutions, Demcon, Ramani, Lionix International, Hy2care, and Athom. Check out Incubase, a student incubator that will support you in building your own start-up.

3. CONTINUE YOUR ACADEMIC CAREER

Instead of pursuing a professional career right away after obtaining your master's degree, you can also opt for a more academically oriented career, by pursuing a PhD or EngD. An EngD programme is more practically oriented, aligned with the direct problem-solving or design needs of the industry, whereas a PhD programme is more focused on research. You can follow both types of programmes at the Twente Graduate School (TGS).

OBTAIN A PHD

A PhD (Doctor of Philosophy) involves spending four years of in-depth studying and researching in a particular area. You can do this within one of our research groups or in one of our structured PhD programmes. An integral part of a PhD is writing your PhD thesis at the end and then presenting and defending your research in public. Obtaining your PhD earns you the title of Doctor (Dr).

FOLLOW AN ENGD PROGRAMME

If you have followed an engineering-focused master's, you can also opt to follow an EngD programme after graduation. Such a programme usually takes two years and is aimed at you becoming a high-level technological designer. Upon successful completion, you will receive a certified diploma and the academic degree Engineering Doctorate (EngD).



SCAN THE QR TO FIND OUT MORE ABOUT YOUR JOB OPTIONS OR CAREER PATHS OF UT GRADUATES

ut.onl/career



LET CAREER SERVICES HELP YOU OUT!

As a UT student, you can benefit from our large, expert network of student organisations, faculties and alumni. Our Career Services Team is here to help you in thinking about your future – so that your career gets off to a flying start as soon as you get your diploma! They will gladly connect you with the right people, inside or outside UT.



The city centre of Enschede

DUTCH STUDENT LIFE

The Netherlands is known for its capital city, Amsterdam, as much as for its bikes, water management, and tolerance. But what is it really like to study in this small country in Northwest Europe? And what secrets are there to discover at our campus and university city, Enschede?

QUICK FACTS



161,738

INHABITANTS OF ENSCHEDE



38

SPORTS ASSOCIATIONS



14

CULTURE ASSOCIATIONS



11

INTERNATIONAL ASSOCIATIONS



430

PUBS AND RESTAURANTS IN ENSCHEDE

THE STUDENT UNION

An organisation for students and by students, that is UT's Student Union. They know there's more to student life than studying, and they aim to empower you to achieve more than a degree. They organise services and events and represent the student's perspective in policy issues.

MOST DUTCH PEOPLE SPEAK ENGLISH

Most Dutch people speak or understand English. In fact, the Netherlands is ranked number 1 in the world regarding proficiency in English as a second language! It comes as no surprise, then, that many internationals study and work here. Studying in the Netherlands can help you develop an open mind and an international perspective.

GETTING AROUND IS EASY

The Netherlands is a small country and home to over seventeen million people. Many European capitals are within easy reach: Berlin and Brussels are four-and-a-half hours away by train. Public transport is well-organised and safe. To travel the Dutch way, get a bicycle; in the Netherlands, there are actually more bikes than people!

ENSCHEDE, A TYPICAL STUDENT CITY

Enschede has more than 161,000 inhabitants, a third of whom are students at one of the three higher education institutions. The city boasts colourful weekly markets, bustling shopping streets, and nice parks. Its student population gives the city its flair. Every day, you will see students cycling to their classes, reading on the banks of Rutbeek Lake or having fun in the Old Market pubs.

STUDENT ACCOMMODATIONS

Enschede is popular among students because of its numerous associations, cosy restaurants, and friendly atmosphere. Next to that, finding suitable housing is generally cheaper and easier than in other Dutch student cities. In fact, Enschede has been announced the best city for student housing in the Netherlands in 2023! But bear in mind: each year, over 4,000 new students start at the University and start their search for accommodation at the same time as you. So, to ensure a smooth start of your student life, we strongly advise you to arrange your accommodation before the start of your studies. You can find suitable accommodation in the cities of Enschede and Hengelo or on the university campus. If you are a visa student (non-EU/EEA), you are guaranteed to receive a housing offer for a period of one year.

HOW TO MEET NEW PEOPLE? JOIN AN ASSOCIATION

A striking element of student life in Enschede is the presence of study, sports, cultural, social, and international associations.



The Kick-In, the introduction week of the University of Twente



The Batavierenrace, the largest relay race in the world, finishes on our campus

Joining an association will support you with everyday situations and help you settle in and make friends. But first, you start your student life with the introduction week 'The Kick-In': the absolute best way to meet other students and explore the campus and all other aspects of your future student life!



SCAN THE QR TO GET INFORMATION ABOUT STUDENT LIFE AND HOW TO FIND A HOUSE



ut.onl/life



UNION CARD YOUR GATEWAY TO SPORTS AND CULTURE

Do you see yourself going climbing after class? Or making some noise in the music studios? Get yourself a Union card! The card offers all kinds of benefits, such as free swimming in Enschede, and free use of our music studios. It is also a good way to meet fellow students.

OUR MASTER'S

At the University of Twente, we offer 20 bachelor's and over 30 master's programmes. Most of the study programmes are English-taught. All of our master's programmes lead to the title Master of Science and each one is accredited by the independent Accreditation Organisation of the Netherlands and Flanders (NVAO).

QUICK FACTS



5,042

MASTER'S STUDENTS



30+

MASTER'S PROGRAMMES



115

DIFFERENT STUDENT NATIONALITIES



260

EXCHANGE PARTNER UNIVERSITIES WORLDWIDE



380

LAB FACILITIES

4TU. PROGRAMMES

Programmes that include the '4TU' logo offer you the option of taking courses at any of the four leading universities of technology in the Netherlands belonging to the so-called 4TU. Federation: Delft University of Technology, Eindhoven University of Technology, Wageningen University & Research, and the University of Twente.

- > APPLIED MATHEMATICS
- > APPLIED PHYSICS
- > BIOMEDICAL ENGINEERING
- > BUSINESS ADMINISTRATION
- > BUSINESS INFORMATION TECHNOLOGY
- > CARTOGRAPHY (JOINT DEGREE)
- > CHEMICAL SCIENCE & ENGINEERING
- > CIVIL ENGINEERING & MANAGEMENT
- > COMMUNICATION SCIENCE
- > COMPUTER SCIENCE
- > CONSTRUCTION MANAGEMENT & ENGINEERING
- > EDUCATIONAL SCIENCE & TECHNOLOGY
- > ELECTRICAL ENGINEERING
- > EMBEDDED SYSTEMS
- > ENVIRONMENTAL & ENERGY MANAGEMENT
- > EUROPEAN STUDIES
- > GEO-INFORMATION SCIENCE AND EARTH OBSERVATION
- > GEOGRAPHICAL INFORMATION MANAGEMENT AND APPLICATIONS (JOINT DEGREE)
- > HEALTH SCIENCES
- > HUMANITARIAN ENGINEERING
- > INDUSTRIAL DESIGN ENGINEERING
- > INDUSTRIAL ENGINEERING & MANAGEMENT
- > INTERACTION TECHNOLOGY
- > MECHANICAL ENGINEERING
- > NANOTECHNOLOGY
- > PHILOSOPHY OF SCIENCE, TECHNOLOGY & SOCIETY
- > PSYCHOLOGY
- > PUBLIC ADMINISTRATION
- > ROBOTICS
- > SCIENCE EDUCATION 
- > SPATIAL ENGINEERING
- > SUSTAINABLE ENERGY TECHNOLOGY
- > TECHNICAL MEDICINE 
- > WATER TECHNOLOGY (JOINT DEGREE)

YOU ARE IN CHARGE OF YOUR OWN GROWTH

The Dutch education system is interactive with an exceptional focus on teamwork and independent, proactive thinking. At UT, there are many ways to develop your expertise, both inside and outside your master's, and in many cases, there's a lot of customisation possible. For example, master's programmes often provide considerable elective space and many programmes offer various specialisations for you to develop expertise in a specific domain.

EXPAND YOUR NETWORK GLOBALLY

Want to broaden your horizon and study abroad? UT has an extensive network of leading organisations and international companies, such as ASML, Demcon, Boeing, Unilever, Google, Philips, and many more. We are also part of the European Consortium of Innovative Universities (ECIU) and founding member of the ECIU University. With over 260 partner universities worldwide, you have many options to spend time of your studies at a university abroad, or go on an international internship, for example. In some cases, you can even opt for a double degree, in which you can obtain a second master's degree either at UT or at a partner university.

EXTRACURRICULAR COURSES

At UT, you have many opportunities to expand your knowledge outside of your own master's. Excellent students can, for example, take part in one of our Master Honours Programmes: an extracurricular, broadening programme, that gives you the opportunity to enrich your knowledge, skills, and experiences outside your own discipline. You follow this programme alongside your master's and it will take about 10 to 14 hours per week on top of your regular study load. Another option is to incorporate the Transdisciplinary Master-Insert within your master's. In this programme you will work with students of other study programmes in transdisciplinary ways on addressing complex societal challenges. The programme consists of several courses that can be integrated into your own study programme in various ways.

A HELPING HAND

When you start your studies, your first point of contact will be your study adviser. They will monitor your progress and help you deal with academic and study-related issues. In case you are hindered by personal circumstances or problems that affect your studies or wellbeing, our Student Affairs, Coaching and Counselling team can help you find the support you need.



SCAN THE QR TO LEARN MORE ABOUT OUR
MASTER'S, JOINT DEGREES AND PARTNER
UNIVERSITIES

ut.nl/masters



**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€3,000 per month

**POTENTIAL EMPLOYERS**Thales
Witteveen+Bos
Rabobank**POTENTIAL JOBS**Data Scientist
Researcher
Product Engineer

APPLIED MATHEMATICS

Can you predict when something goes viral? How can you detect diseases using medical imaging? What happens in your brain during an epileptic seizure? These questions have one thing in common: mathematics provides the answer. In this Master's, you will apply mathematics to challenging issues in diverse sectors. You will learn how to discover new patterns and how to predict them through mathematical models. Within your specialisation, you have room for quite a few electives. In addition to courses, you will do an internship or project at a company or organisation outside the University. This can be abroad or at a company in the Netherlands. Both in your internship and your master's assignment you have quite some freedom in choosing your topic. With employers in the technical, financial, medical and social sectors increasingly seeking mathematicians who can come up with practical solutions, you will be important to society as well as hugely in demand in the job market.

| | |
|-------------------------|-----------------------|
| MODE OF STUDY | Full-time |
| CREDITS | 120 EC |
| DURATION | 2 year |
| STARTS | February or September |
| LANGUAGE | English |
| TUITION FEE TYPE | Beta |

SPECIALISATIONS

- Mathematical Systems Theory, Applied Analysis and Computational Science
- Mathematics of Data Science
- Operations Research

[UT.ONL/AM](#)
**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€2,836 per month

**POTENTIAL EMPLOYERS**ASML
TNO
Demcon**POTENTIAL JOBS**Researcher
Product Engineer
Data Analyst

APPLIED PHYSICS

Can you build electronic systems that are almost as energy efficient as the neurons in our brains? Or encryption technology that makes credit card payments impossible to crack? What about making solar panels more efficient, or medical imaging techniques faster and more accurate? What opportunities could a quantum computer offer? How fast are icebergs melting, and what does turbulence have to do with this? These questions cannot be answered without an understanding of the laws of physics. In this Master's, you will combine fundamental physics with engineering and develop strong analytical skills to find technical solutions to complex problems across various areas. The physics department of the University of Twente belongs to the top of the world. After graduation, you will have great career opportunities in areas such as electronics, high-tech manufacturing and the chip industry, healthcare, IT, consultancy, sustainable energy technology, semiconductor, space, agriculture, or finance.

| | |
|-------------------------|-----------------------|
| MODE OF STUDY | Full-time |
| CREDITS | 120 EC |
| DURATION | 2 year |
| STARTS | February or September |
| LANGUAGE | English |
| TUITION FEE TYPE | Beta |

SPECIALISATIONS

- Applied Nanophotonics
- Materials Science
- Physics of Fluids
- Quantum Physics

[WWW.UT.ONL/AP](#)

**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€3,043 per month

**POTENTIAL EMPLOYERS**

Philips
Abbott
Princess Maxima Medical Centre

**POTENTIAL JOBS**

Product Developer
Consultant
Biomedical Engineer

BIOMEDICAL ENGINEERING

Are there friendlier, less painful or less harmful methods to detect breast cancer? Can you pave the way for animal-free drug testing by developing mini organs-on-a-chip that can mimic an actual human organ? And what about detecting complex diseases like Parkinson's or Alzheimer's at an early stage, or developing an exoskeleton to train paralysed patients to walk? This Master's teaches you to research, design and develop medical innovations that contribute to better healthcare – think of improvement of diagnostics, treatment or rehabilitation, but also the importance of prevention and better quality of life. You will combine engineering skills in disciplines such as chemistry, physics, nanotechnology, electrical engineering and/or mechanical engineering with in-depth knowledge of biology and medicine. After graduation, you may find a job in the health technology or healthcare industry. You could join an R&D department, work as a product specialist or opt for a career as a researcher.

| | |
|----------------------|--|
| MODE OF STUDY | Full-time |
| CREDITS | 120 EC |
| DURATION | 2 year |
| STARTS | February or September (Bioengineering Technologies specialisation starts only in September) |

LANGUAGE English

TUITION FEE TYPE Beta

SPECIALISATIONS

- Bioengineering Technologies
- Biorobotics
- Imaging & In Vitro Diagnostics
- Medical Device Design
- Physiological Signals & Systems

 [UT.ONL/BME](https://ut.onl/bme)



Student of Applied Physics setting up the Triton system to perform low-temperature transport measurements

**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€3,025 per month

**POTENTIAL EMPLOYERS**Thales
ABN AMRO
Siers Groep**POTENTIAL JOBS**Sales Operations Administrator
Business Analyst
Lead Product Manager

BUSINESS ADMINISTRATION

In today's business world, social and technological changes are rapidly unfolding, shaking up entire markets and their associated customer expectations, supply chains and business models. In such an evolving field, there's no sense in doing business as usual. The Master's in Business Administration will teach you how to develop and transform businesses. You will tackle complex and often cross-border business challenges to make companies sustainable for the future.

There are seven interesting, unique specialisations to build your expertise. You can even go for a double degree with one of our partner universities in Germany (Berlin), Italy (L'Aquila), or Finland (Lappeenranta). You will be in high demand in the (international) job market. You could pursue exciting jobs in business development, marketing & sales, consultancy, project management, operations & IT, or even in research or education, or you could start up your own business!

| | |
|-------------------------|-----------------------|
| MODE OF STUDY | Full-time |
| CREDITS | 60 EC |
| DURATION | 1 year |
| STARTS | February or September |
| LANGUAGE | English |
| TUITION FEE TYPE | Alpha-Gamma |

SPECIALISATIONS

- Digital Business & Analytics
- Entrepreneurship, Innovation & Strategy
- Financial Management
- Human Resource Management
- International Management & Consultancy
- Purchasing & Supply Management
- Strategic Marketing & Servitisation

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


Business & Information Technology students in a project meeting

**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€3,275 per month

**POTENTIAL EMPLOYERS**AUDI AG
ABN AMRO
Deloitte**POTENTIAL JOBS**IT Project Manager
Risk Analyst
Business Analyst

BUSINESS INFORMATION TECHNOLOGY

Information technologies continue to drastically change the way we live and work. Businesses today cannot function without them, and numerous complex business challenges find their solutions in IT. This Master's enables you to help businesses become smarter, resilient and more sustainable, using innovative IT-based solutions. It will give you insights into complex business processes and organisations as well as in-depth knowledge of modern information systems and their underlying technologies. You will build your expertise within one of the three specialisations: Data Science & Business, Enterprise Security Management, or Enterprise Architecture & IT Management. You will be in high demand in the job market. You could pursue a career as, for example, a data analyst, IT consultant, enterprise architect, data scientist, or IT security manager at software companies, financial institutions, consultancy agencies, commercial businesses, or healthcare institutions, to name some options.

| | |
|-------------------------|-----------------------|
| MODE OF STUDY | Full-time |
| CREDITS | 120 EC |
| DURATION | 2 year |
| STARTS | February or September |
| LANGUAGE | English |
| TUITION FEE TYPE | Beta |

SPECIALISATIONS

- Data Science & Business
- Enterprise Architecture & IT Management
- Enterprise Security Management

[UT.ONL/MBI](#)
**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€2,800 per month

**POTENTIAL EMPLOYERS**ESRI
European Space Agency
Siemens**POTENTIAL JOBS**Data Visualisation Specialist
(PhD) Researcher
Front-end Developer for GIS & Web
Applications

CARTOGRAPHY (JOINT DEGREE)

This joint degree, offered by the universities of Twente, Dresden, Munich and Vienna, provides you with the knowledge and skills in cartography and geo-visualisation, multimedia, mobile, and 3D cartography to visually represent, analyse, and explore the digital Earth and its spatiotemporal elements. It covers the fundamentals and methodologies of the discipline, focusing on creating readable, aesthetic, and user-friendly visualisations of geographical data and developing innovative representation methods in modern cartography.

This joint Master's offers excellent professional opportunities nationally and internationally, in the private sector, administration, and research. Graduates can work for government authorities, map and atlas publishers, or companies specialising in GIS, location-based services, or navigation systems. There are also opportunities in urban and landscape planning, environmental protection, disaster management, tourism, transport, and telecommunications.

| | |
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| MODE OF STUDY | Full-time |
| CREDITS | 120 EC |
| DURATION | 2 year |
| STARTS | October |
| LANGUAGE | English |
| TUITION FEE TYPE | Other |

[UT.ONL/BASE-CART-MSc](#)

**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€2,836 per month

**POTENTIAL EMPLOYERS**DSM Engineering Materials
Nouryon
NX Filtration**POTENTIAL JOBS**R&D Scientist
Process Developer
Quality Coordinator

CHEMICAL SCIENCE & ENGINEERING

The chemical industry finds itself at a turning point. Society demands a more sustainable economy, including the circular use of raw materials. Moreover, advances in materials are rapidly unfolding, paving the way for promising breakthroughs in many fields, from medicine, energy, and transportation to sustainability. This Master's will prepare you for the advancing role that chemical scientists and engineers have in tomorrow's society. You will engage in pioneering research to develop, improve and implement chemical processes, products and materials, from reusing CO2 to detecting diseases and from improving batteries to purifying water. Build your expertise within one of three specialisations. Innovations will be needed in many different sectors. As a graduate, you could start a career as, for example, a researcher, process engineer, R&D scientist, consultant, or pursue a PhD.

| | |
|-------------------------|-----------|
| MODE OF STUDY | Full-time |
| CREDITS | 120 EC |
| DURATION | 2 year |
| STARTS | September |
| LANGUAGE | English |
| TUITION FEE TYPE | Beta |

SPECIALISATIONS

- Chemical & Process Engineering
- Molecules & Organic Materials
- Materials

WWW.UT.ONL/M-CSE

**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€2,900 per month

**POTENTIAL EMPLOYERS**Arcadis
Antea
ProRail**POTENTIAL JOBS**Civil Engineer
Project Manager
Consultant

CIVIL ENGINEERING & MANAGEMENT

This Master's is the first in the Netherlands to focus extensively on both the technical and non-technical aspects of the planning, design, realisation, and maintenance of civil engineering projects and systems. High-speed rail, the Betuwe freight railway, dike improvements, and the 'Manhattan on the Maas' development project in Rotterdam are all technically feasible projects. Technology, however, is not the only determining factor in the result. Many other factors need to be taken into account early in the planning phase of such projects: sustainability and circularity, policy, political interests, participation and permits, land expropriation, environmental impact studies, costs, budgeting and price control, logistic efficiency, and safety. The job market requires engineers who are true process thinkers, and can oversee, analyse and predict all aspects of the design and execution of civil engineering projects. This Master's will train you to be just such an engineer.

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| MODE OF STUDY | Full-time |
| CREDITS | 120 EC |
| DURATION | 2 year |
| STARTS | February or September |
| LANGUAGE | English |
| TUITION FEE TYPE | Beta |

SPECIALISATIONS

- Construction Management & Engineering
- Integrated Civil Engineering Systems
- Transport Engineering & Management
- Water Engineering & Management

UT.ONL/CEM



Students of Communication Science interacting with a social robot



DEGREE

Master of Science



SALARY (AVERAGE)

€2,600 per month



POTENTIAL EMPLOYERS

Metrixlab
FrieslandCampina
Bol.com



POTENTIAL JOBS

Communications Adviser
Online Marketeer
Content Specialist

COMMUNICATION SCIENCE

To understand communication in today's highly digitised and networked society is to understand organisations, marketing, consumers, public relations and many other important aspects of society. That is why this Master's is about more than just selling products and designing websites. You will be trained to be an expert in how people and organisations interact with and through the latest innovations. You will learn about topics such as VR and AR, AI, filter bubbles, fake news, corporate social responsibility, crisis communication and conspiracy theories; always in the context of a major societal challenge, such as polarisation, sustainability or security.

You can choose a combination of courses or decide to follow one of the three focus areas: Organisational Communication & Reputation; Media, Technology & Communication; Digital Marketing Communication & Design. You can pursue a career as, for example, a communication or PR adviser, UX designer, online marketer or media designer.

| | |
|-------------------------|-----------------------|
| MODE OF STUDY | Full-time |
| CREDITS | 60 EC |
| DURATION | 1 year |
| STARTS | February or September |
| LANGUAGE | English |
| TUITION FEE TYPE | Alpha-Gamma |



Construction Management & Engineering students working on a construction site



DEGREE

Master of Science



SALARY (AVERAGE)

€3,200 per month



POTENTIAL EMPLOYERS

Nedap
Dutch Government
Rabobank



POTENTIAL JOBS

Software Developer
Cyber Security Analyst
Business Analyst

COMPUTER SCIENCE

In the Master's in Computer Science, you will learn to design, analyse, validate, secure, develop, and improve ICT systems for various areas, such as health, finance, education, communication, and energy. The University of Twente is considered a global leader in computer science research, focusing on dependable networked systems, human-centred computing, and data science. You will learn from and work closely with our top researchers, building expertise in computer networks and security, system reliability, wireless and sensor systems, software engineering, artificial intelligence, and data science. With your specialised technical knowledge and expert skills in developing and improving technology systems that power everyday life, you will be able to play a crucial role in any company or organisation. A range of career prospects await you, including roles such as systems architect, data scientist, cyber security specialist, and software developer.

4TU. The 4TU.Federation, the partnership of the four universities of technology in the Netherlands, is committed to strengthening and bundling technological knowledge.

| | |
|-------------------------|-----------------------|
| MODE OF STUDY | Full-time |
| CREDITS | 120 EC |
| DURATION | 2 year |
| STARTS | February or September |
| LANGUAGE | English |
| TUITION FEE TYPE | Beta |

SPECIALISATIONS

- Cyber Security
- Data Science & Technology
- Internet Science & Technology
- Software Technology

**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€2,900 per month

**POTENTIAL EMPLOYERS**ASML
Capgemini
CGI**POTENTIAL JOBS**Civil Engineer
Construction Supervisor
Technical Consultant

CONSTRUCTION MANAGEMENT & ENGINEERING

Complicated supply chains, resource shortages, advances in technologies, ageing infrastructure and the need for sustainable, futureproof buildings and infrastructure: construction projects are becoming more complex, especially as digitalisation is revolutionising the construction sector drastically. This Master's helps you to manage large projects within the contemporary construction industry. From constructing and maintaining roads to building skyscrapers, you will learn to manage all processes involved. You can focus on the technological aspects within the profile Digital Technologies in Construction or the organisational aspects within the profile Markets & Organisation of Construction. After graduation, you can look forward to great career opportunities. Thanks to your broad, yet expert knowledge and skills, organisations will be eager to onboard you, from contractors to engineering and consultancy firms to government institutions.

4TU.

The 4TU.Federation, the partnership of the four universities of technology in the Netherlands, is committed to strengthening and bundling technological knowledge.

| | |
|-------------------------|-----------------------|
| MODE OF STUDY | Full-time |
| CREDITS | 120 EC |
| DURATION | 2 year |
| STARTS | February or September |
| LANGUAGE | English |
| TUITION FEE TYPE | Beta |

[UT.ONL/CME](https://ut.onl/cme)
**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€2,887 per month

**POTENTIAL EMPLOYERS**ASML
Police Academy
Saxion University of Applied Sciences**POTENTIAL JOBS**Educational Scientist
E-learning Specialist
Learning and Development
Consultant

EDUCATIONAL SCIENCE & TECHNOLOGY

Are you fascinated by learning, education, and training but not necessarily dreaming of becoming a teacher? Then this Master's is for you. Education is a key factor in bringing growth and progress into society. But what motivates people to engage in learning? And what is the possible impact of technology on education? This Master's teaches how to design, implement and evaluate learning scenarios in schools and organisations. You will systematically solve complex educational problems, using academic skills and digital technologies, such as VR and other e-learning tools. You can customise a large part of this Master's through various elective courses. Whether you want to focus on formal education or human resource development, you can tailor the content to your interests. After graduation, you could work as a researcher, consultant or educational designer within various settings, such as educational or consultancy firms, educational publishers, corporate HR, schools and the government.

| | |
|-------------------------|-----------------------|
| MODE OF STUDY | Full-time / part-time |
| CREDITS | 60 EC |
| DURATION | 1 year (Full-time) |
| STARTS | February or September |
| LANGUAGE | English |
| TUITION FEE TYPE | Alpha-Gamma |

[UT.ONL/EST](https://ut.onl/est)

**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€3,200 per month

**POTENTIAL EMPLOYERS**ASML
NXP
Demcon**POTENTIAL JOBS**Design Engineer
Electrical Engineer
System Architect

ELECTRICAL ENGINEERING

In the Master's in Electrical Engineering you will contribute to the advancement of solar cells, AI assisted pattern recognition, and smart sensors, among others. Think of innovating chip architecture, researching alternative components to replace transistors in electronic devices, and making 3D printed sensors. What about improving medical imaging technologies, such as MRI and X-rays, along with developing implantable and wearable medical devices? Electrical engineering plays a pivotal role in the ongoing energy transition, offering you immense opportunities to contribute to our future. You can enhance solar cell efficiency, facilitate sustainable chip manufacturing processes, and optimise power grids for compatibility with renewable sources like solar and wind energy. With your expertise in designing, developing, and optimising electrical devices and systems, you will easily find a job at IC design houses, semiconductor and microelectronics manufacturers, and power plants.

| | |
|-------------------------|-----------------------|
| MODE OF STUDY | Full-time |
| CREDITS | 120 EC |
| DURATION | 2 year |
| STARTS | February or September |
| LANGUAGE | English |
| TUITION FEE TYPE | Beta |

SPECIALISATIONS

- Biomedical Signals and Systems
 - Communication Networks
 - Computer Vision and Biometrics
 - Dependable Integrated Systems
 - Integrated Circuit Design
 - Integrated Optical Systems
 - Micro Sensors and Systems
 - Nano Electronics
 - Power Electronics
 - Radio Systems
- Semiconductor Devices and Technology

**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€3,200 per month

**POTENTIAL EMPLOYERS**Demcon
Nedap
Dutch Tax and Customs
Administration**POTENTIAL JOBS**Embedded Software Engineer
Firmware Engineer
System Engineer

EMBEDDED SYSTEMS

Embedded systems are building blocks of medical devices, automobiles, industrial machinery, GPS systems and many other systems. Even your car's antilock braking system (ABS) is an embedded system. The design of such systems is crucial for their functionality. In this Master's, you will learn to tackle the increasing complexity of modern embedded systems by integrating hardware and software from the early stages of the design process. You will gain the necessary engineering skills and knowledge in embedded artificial intelligence, real-time operating systems, digital hardware design, computer architecture, embedded software development and sensor integration. By the end of the Master's, you will be able to design embedded systems that meet the desired performance requirements, such as time latency, power consumption, reliability, and cost efficiency for various applications. After completing the Master's, you can look forward to excellent career prospects.

| | |
|-------------------------|-----------------------|
| MODE OF STUDY | Full-time |
| CREDITS | 120 EC |
| DURATION | 2 year |
| STARTS | February or September |
| LANGUAGE | English |
| TUITION FEE TYPE | Beta |



The 4TU.Federation, the partnership of the four universities of technology in the Netherlands, is committed to strengthening and bundling technological knowledge.

**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€2,800 per month

**POTENTIAL EMPLOYERS**Tesla
Philips
DSM**POTENTIAL JOBS**Sustainability Manager
Energy Analyst
Environmental Consultant

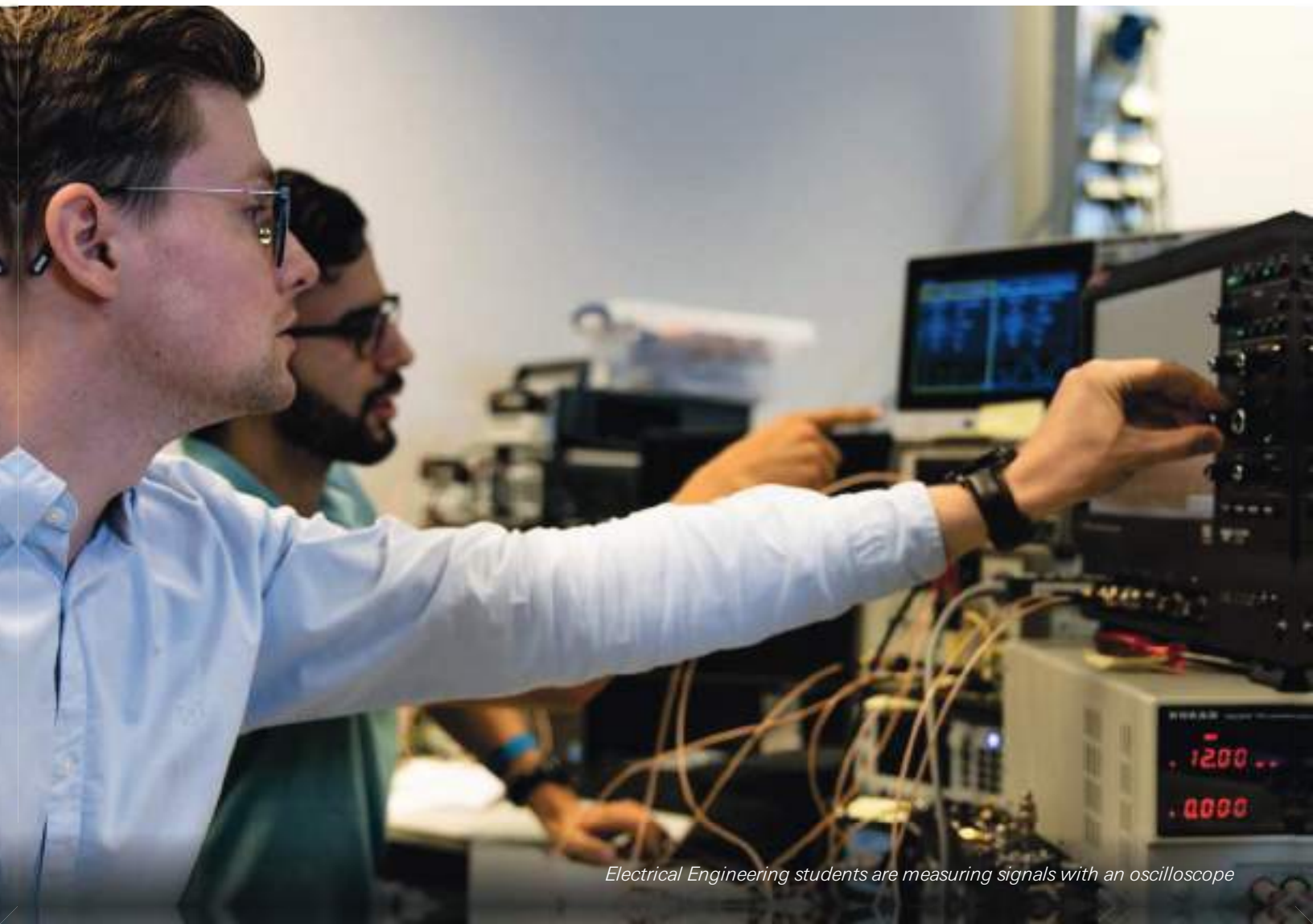
ENVIRONMENTAL & ENERGY MANAGEMENT

In this Master's of UT, which takes place in Leeuwarden, Friesland, you will become a change agent at the interface between social, technological, and ecological systems. Today's challenges – for example, climate change, resource depletion, and urbanisation – call for professionals able to organise, manage and lead socio-technological change. This combined focus on thinking and doing lies at the heart of this programme. This Master's will provide you with knowledge, skills, and competencies in disciplines like management, governance, and law. It focuses on the administrative, organisational, and technical causes underlying water, environmental and energy problems – and on strategies for controlling these problems and stimulating sustainable development. You can specialise in the field of energy, environmental, or water management. Upon graduation, you can work in multidisciplinary business, government, consultancy, or research teams.

| | |
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| MODE OF STUDY | Full-time |
| CREDITS | 60 EC |
| DURATION | 1 year |
| STARTS | September |
| LANGUAGE | English |
| TUITION FEE TYPE | Alpha-Gamma |

SPECIALISATIONS

- Energy
- Environmental
- Water

[UT.ONL/MEEM](https://ut.nl/meem)


Electrical Engineering students are measuring signals with an oscilloscope

**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€2,447 per month

**POTENTIAL EMPLOYERS**European Commission
Centre of Policy Studies
Ministry of Health, Welfare and Sport**POTENTIAL JOBS**Integration Consultant
Policy Officer
Adviser International Cultural
Relations

EUROPEAN STUDIES

Do you recognise that we live in a globalised world with challenges such as security, migration, social inequality, and climate change? Do you want to understand how governments and societal stakeholders operate in the context of the European Union? Do you want to help design solutions for these challenges from the lens of the European Union as an actor on a global scale? Then the Master's in European Studies is right for you.

You can gain a cross-border perspective and combine this programme in a double degree with the Master's in Comparative Governance at the University of Münster. This way you obtain a double diploma offered by UT and the University of Münster.

Not only in Brussels, but also within national governments, private businesses, and the non-profit sector, there is a growing need for professionals with the right knowledge, insights, and skills to understand the role that Europe can play in solving global challenges.

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| MODE OF STUDY | Full-time |
| CREDITS | 60 EC |
| DURATION | 1 year |
| STARTS | September |
| LANGUAGE | English |
| TUITION FEE TYPE | Alpha-Gamma |

 [UT.ONL/MES](https://ut.onl/mes)



Students of Geo-Information Science & Earth Observation working with the Matrice 600 Pro, a heavy-lift drone

**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€2,800 per month

**POTENTIAL EMPLOYERS**

Witteveen+Bos
Forestry Commission
Ministry of Infrastructure and Water
Management

**POTENTIAL JOBS**

GIS/GEO Specialist
Hydraulic Consultant
Consultant Energy Transition

GEO-INFORMATION SCIENCE AND EARTH OBSERVATION

Are you interested in a career in spatial data science and becoming an Earth Observation or Geographic Information Systems professional? This Master's provides the theoretical and technical skills needed to excel in today's geospatial marketplace. You will learn in a stimulating environment, expand your network, and have access to cutting-edge facilities like the Big GeoData Center, UAV Centre, and spectroscopy lab.

The programme focuses on three themes: Geospatial Futures (GeoAI), the Environment (Resource Securities), and Society (Urban Land Futures and Hazard Resilience), all aimed at promoting a healthy, equitable, and liveable planet. You can choose from diverse learning pathways that support a wide range of career goals, allowing you to tailor your curriculum with electives, internships, and a research project of your choice. Join this Master's to advance your expertise and make a meaningful impact in the geospatial field.

| | |
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| MODE OF STUDY | Full-time |
| CREDITS | 120 EC |
| DURATION | 2 year |
| STARTS | September |
| LANGUAGE | English |
| TUITION FEE TYPE | Other |

[UT.ONL/BASE-GSEO-MSC](https://ut.onl/base-gseo-msc)

**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€2,800 per month

**POTENTIAL EMPLOYERS**

GeoCensus
NATO
Ministry of Agriculture and
Environment

**POTENTIAL JOBS**

GIS Specialist
Chief Meteorology
Project Leader

GEOGRAPHICAL INFORMATION MANAGEMENT AND APPLICATIONS (JOINT DEGREE)

Today's society increasingly demands geographical information for various applications. Consider physical planning, analysing the spread of epidemic diseases, risk management, navigation systems, location-based services, movement analysis, augmented reality, and the growing use of maps and volunteered geographical information. This comprehensive Master's focuses on the management and application of geographical information from a scientific perspective. Two key aspects contribute to its uniqueness: First, GIMA is a joint venture involving four renowned Dutch universities — Twente, Utrecht, Delft, and Wageningen. Second, it is a blended learning programme, allowing you to study primarily from wherever you are most productive, be it at home or the office. Only the first and last weeks of each module require classroom attendance.

Join this innovative programme and gain the expertise needed to meet the increasing demand for geographical information in today's dynamic world.

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| MODE OF STUDY | Full-time / part-time |
| CREDITS | 120 EC |
| DURATION | 2 year |
| STARTS | September |
| LANGUAGE | English |
| TUITION FEE TYPE | Other |

[UT.ONL/GEO-GIMA-MSC-02](https://ut.onl/geo-gima-msc-02)

**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€2,925 per month

**POTENTIAL EMPLOYERS**

Menzis
GGD
Radboud University Medical Centre

**POTENTIAL JOBS**

Project Manager
Consultant
Public Health Policy Adviser

HEALTH SCIENCES

Staffing shortages, rising healthcare costs, technological innovations, climate change and an ageing population pushing the demand for healthcare services: the healthcare sector is facing many challenges. Do you want to improve the quality of health care as well as public health, and are you eager to determine how healthcare will be organised in the future? In this Master's, you will focus on healthcare and organisation, with attention to the role of technology in healthcare. How do you keep healthcare affordable? How can you influence people's attitudes and behaviours with technology (e-health)? Can you use data to predict healthcare needs and adjust policies accordingly? How do you involve citizens and/or patients in decision-making processes? And what does it take to make the healthcare industry more sustainable? Upon graduation, you can pursue a career in all areas of healthcare, from hospitals or home care to insurance companies, government institutions and consultancy agencies.

MODE OF STUDY Full-time
CREDITS 60 EC
DURATION 1 year
STARTS September
LANGUAGE English
TUITION FEE TYPE Alpha-Gamma

SPECIALISATIONS

- Innovation in Public Health
- Optimisation of Healthcare Processes
- Personalised Monitoring & Coaching

[UT.ONL/HS](#)

**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€2,800 per month

**POTENTIAL EMPLOYERS**

Humanitarian Aid Organisation
Governmental Organisation for
Development Cooperation
Non-governmental Organisation

**POTENTIAL JOBS**

Humanitarian Engineer
Technology and Innovation Officer
Programme Manager for
Development Cooperation

HUMANITARIAN ENGINEERING

Promoting well-being in underserved communities is not just an act of charity. If you really want to create sustainable, impactful solutions that empower communities to achieve better health, stability, and self-sufficiency, you need a scientific approach – an approach that requires knowledge of engineering as well as sociocultural dynamics. Do you feel called to tackle complex humanitarian challenges all over the world and create sociotechnological solutions by working together with people on location? For example, by contributing to disaster-resilient housing, developing solutions for safe water access or providing refugee camps with sustainable power solutions? Then the brand-new Master's in Humanitarian Engineering is right for you! This Master's will prepare you for a meaningful career in organisations such as NGOs, international development agencies, and governmental bodies, where you can work on innovative solutions to drive sustainable development and make a lasting impact.

MODE OF STUDY Full-time
CREDITS 120 EC
DURATION 2 year
STARTS September
LANGUAGE English
TUITION FEE TYPE Alpha-Gamma

**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€2,800 per month

**POTENTIAL EMPLOYERS**ASML
FrieslandCampina
Philips**POTENTIAL JOBS**Design Engineer
Brand Manager
Marketing Manager

INDUSTRIAL DESIGN ENGINEERING

In your daily life, you are continuously surrounded by products. Why are they shaped the way they are? What user demands do they meet, what processes lie behind the development, and what technologies are involved? That's what the Master's in Industrial Design Engineering is about. It provides you with in-depth, scientific insights to design and engineer innovative products that enrich people's lives. Moreover, you learn to overlook and improve the whole development process. You can choose one of the three specialisations. The demand for industrial design engineers is eminent and growing, as innovation and smart design are gaining importance in our society. So after graduation, there are plenty of job opportunities. You can become the industrial design engineer you want to be: whether that's a specialist in engineering a specific type of product, the manager who oversees the whole production process, or the researcher who applies the newest scientific insights in product design.

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| MODE OF STUDY | Full-time |
| CREDITS | 120 EC |
| DURATION | 2 year |
| STARTS | February or September |
| LANGUAGE | English |
| TUITION FEE TYPE | Beta |

SPECIALISATIONS

- Emerging Technology Design
- Human Technology Relations
- Management of Product Development

 [UT.ONL/IDE](https://ut.nl/ide)
**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€3,025 per month

**POTENTIAL EMPLOYERS**Philips
ABN AMRO
ASML**POTENTIAL JOBS**Tactical Buyer
Manager Customer Supply Chain
Head of Business Engineering

INDUSTRIAL ENGINEERING & MANAGEMENT

Businesses and organisations need creative, multidisciplinary managers who combine technological know-how with engineering and management skills. During this Master's you will learn to use simulations, mathematical, and/or statistical models to solve problems and improve the performance of (international) organisations. This Master's enables you to improve operational processes, in which multiple and sometimes competing objectives need to be considered, such as improving quality and service, managing risks, increasing productivity, reducing costs, and sustainability. The multidisciplinary approach of this Master's helps you become the all-round, yet specialised manager many organisations are looking for. There are three specialisations to choose from. Upon graduation, you could work as a consultant, researcher, or in a management role in different sectors.

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| MODE OF STUDY | Full-time |
| CREDITS | 120 EC |
| DURATION | 2 year |
| STARTS | February or September |
| LANGUAGE | English |
| TUITION FEE TYPE | Beta |

SPECIALISATIONS

- Financial Engineering & Management
- Healthcare Technology & Management
- Production & Logistic Management

 [UT.ONL/IEM](https://ut.nl/iem)

**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€2,944 per month

**POTENTIAL EMPLOYERS**Movella
Phillips
TNO**POTENTIAL JOBS**User Experience Designer
Innovation Consultant
Product Owner

INTERACTION TECHNOLOGY

Modern technology is integrated into our daily lives more than ever. But none of the advanced technologies we use today would have been successful if humans failed to interact with them. Human-computer interaction is one of the most important considerations in any kind of technological development. So how can you include the user in those developments? In this Master's, you will learn to design intelligent, interactive, and socially aware systems that are aligned with end-user needs and can enhance user experience. With a broad range of courses to choose from within domains of technology, social sciences, design, research, entrepreneurship, and more, you can create your own profile. You can even go for a double degree and spend one year abroad! Now that smart innovations are rapidly unfolding, there's a growing demand for experts who can truly embody the view of the user. You can look forward to great career opportunities after graduation, as a designer, researcher, or entrepreneur.

| | |
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| MODE OF STUDY | Full-time |
| CREDITS | 120 EC |
| DURATION | 2 year |
| STARTS | February or September |
| LANGUAGE | English |
| TUITION FEE TYPE | Beta |

[UT.ONL/ITECH](https://ut.onl/itech)
**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€3,043 per month

**POTENTIAL EMPLOYERS**Siemens
Netherlands Aerospace Centre
VDL Enabling Technologies**POTENTIAL JOBS**Mechanical Engineer
Product Developer
Maintenance Engineer

MECHANICAL ENGINEERING

What does it take to build and optimise renewable energy systems, like wind turbines or heat pumps? How can you make smart material choices for the design of aircraft, machine parts, or medical equipment? You will learn this and much more during the Master's in Mechanical Engineering. This Master's focuses on the design, analysis, and maintenance of machinery, structures, products as well as production processes. It covers the breadth of the field of mechanical engineering, addressing subareas like solid and fluid mechanics, materials science, control and robotics, design, manufacturing techniques, tribology, biomechanics, and more. You can develop your own expertise by choosing one of the seven specialisations. As a mechanical engineer, you can pursue a career in a broad range of engineering positions, and in a wide variety of sectors, from the manufacturing, energy, transport, aeronautics, automotive, consumer goods, and the maritime industry to the biomedical field.

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| MODE OF STUDY | Full-time |
| CREDITS | 120 EC |
| DURATION | 2 year |
| STARTS | February or September |
| LANGUAGE | English |
| TUITION FEE TYPE | Beta |

SPECIALISATIONS

- Aeronautics
- Design & Manufacturing
- Energy & Flow
- High-Tech Systems & Materials
- Maintenance Engineering & Operations
- Personalised Health Technology
- Smart & Sustainable Industry

[UT.ONL/ME](https://ut.onl/me)



Nanotechnology students experimenting in the cleanroom of UT's NanoLab



DEGREE

Master of Science



SALARY (AVERAGE)

€3,043



POTENTIAL EMPLOYERS

LioniX International
ASML
MESA+



POTENTIAL JOBS

Researcher
Laboratory Leader
R&D Engineer

NANOTECHNOLOGY

How can you diagnose diseases, such as cancer, at an early stage? Are there more sustainable ways to store energy? And how can you make a sensor that checks water pollution levels on a large scale? These important, societal questions all have one thing in common: nanotechnology might be the answer! In this Master's, you will learn to invent, design and develop innovative solutions on the extremely small nanoscale. You will combine disciplines such as physics, chemistry, electrical and biomedical engineering. The applications of nanotechnology are nearly endless, with three main application areas: Health, ICT, and sustainability. As a student, you will get access to the state-of-the-art NanoLab of the world-renowned MESA+ Institute, including one of the largest cleanrooms in Europe. Once graduated, you can continue with a PhD, or fulfil a job at a high-tech company, creating new materials, technologies, or products in various sectors. Starting your own company is also an option!

| | |
|-------------------------|-----------|
| MODE OF STUDY | Full-time |
| CREDITS | 120 EC |
| DURATION | 2 year |
| STARTS | September |
| LANGUAGE | English |
| TUITION FEE TYPE | Beta |

**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€2,495

**POTENTIAL EMPLOYERS**McKinsey & Company
Philips Healthcare
Air France - KLM**POTENTIAL JOBS**Chief Strategy Officer
Policy Adviser
Solution Associate Public Health

PHILOSOPHY OF SCIENCE, TECHNOLOGY & SOCIETY

There is an ever-growing demand for experts who understand the complex interplay between science, technology, and society. In this Master's, you will learn how to help policymakers and businesses reflect critically on the role of science and technology in society. You will take a distinct philosophical approach to analyse the benefits and dangers of modern technologies and examine how companies and governments can implement relevant digital solutions. Completing this Master's opens various career doors to you: you can become a government consultant, a concept developer, or an innovation adviser. If you want to pursue an academic career, you can apply for the 4TU Ethics and Technology track to expand your research skills.

You also have the opportunity to pursue a double degree and combine this Master's with either Business Administration or Public Administration at UT. With such a double degree, you will receive two Master's diplomas in two years' time.

| | |
|-------------------------|-----------------------|
| MODE OF STUDY | Full-time / part-time |
| CREDITS | 120 EC |
| DURATION | 2 year (Full-time) |
| STARTS | September |
| LANGUAGE | English |
| TUITION FEE TYPE | Alpha-Gamma |

[UT.ONL/PSTS](#)

**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€2,649 per month

**POTENTIAL EMPLOYERS**Mediant Mental Health
Police Academy
Philips**POTENTIAL JOBS**Psychologist
Adviser Learning and Development
Technology Implementor in
Healthcare

PSYCHOLOGY

Psychology plays a role wherever people are in contact with other people or organisations and when they interact with technology. Behaviour (doing), emotions (feeling) and cognitions (thinking) are the core domains of psychology. As a psychologist, you will understand how to build trust in new technologies, promote healthy lifestyles, prevent criminal behaviour, and support mental health by considering both symptoms and strengths.

In one of the five unique specialisations, you will learn to integrate technological tools, becoming a future-proof psychologist and innovator in clinical psychology, health, safety, education, or human factors.

After graduation, you could pursue your career in many different fields, depending on your specialisation. One equips you for the post-master to become a licensed psychologist. The others prepare you for the role as researcher, policymaker, adviser or teacher in all kinds of sectors (e.g. industry, education, public health, healthcare, government).

| | |
|-------------------------|-----------------------|
| MODE OF STUDY | Full-time |
| CREDITS | 60 EC |
| DURATION | 1 year |
| STARTS | February or September |
| LANGUAGE | English |
| TUITION FEE TYPE | Alpha-Gamma |

SPECIALISATIONS

- Conflict, Risk & Safety
- Educational Psychology
- Health Psychology & Technology
- Human Factors & Engineering Psychology
- Positive Clinical Psychology & Technology

[UT.ONL/MPS](#)

**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€2,804 per month

**POTENTIAL EMPLOYERS**Ministry of Foreign Affairs
National Police Corps
Domijn**POTENTIAL JOBS**Policy Adviser
Integrity Researcher
Programme Secretary

PUBLIC ADMINISTRATION

How can governments take action to combat climate change and contribute to the Sustainable Development Goals? How can governments ensure the protection of data security and privacy rights of citizens? And what does it take to keep healthcare affordable and available for all citizens?

If you are fascinated by the role governments and public organisations play in tackling the grand challenges of our society today, the Master's in Public Administration is right for you. You will learn how to address challenges within the public sector in today's technologically transforming world. You can develop your profile in a domain of your choice: public safety, sustainability, healthcare, public affairs, or the Dutch (local) government.

Because of the rise of new (digital) challenges, the demand for skilled professionals within the public domain will continue to grow. That's why you can look forward to great career prospects as a policymaker, policy adviser, lobbyist, or researcher.

| | |
|-------------------------|-----------------------|
| MODE OF STUDY | Full-time |
| CREDITS | 60 EC |
| DURATION | 1 year |
| STARTS | February or September |
| LANGUAGE | English |
| TUITION FEE TYPE | Alpha-Gamma |

 [UT.ONL/PA](https://ut.onl/pa)



Students of Philosophy of Science, Technology & Society discussing theories

**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€2,944 per month

**POTENTIAL EMPLOYERS**DEMCON
ASML
VDL**POTENTIAL JOBS**Systems Engineer
Mechatronics Engineer
Robotics Designer

ROBOTICS

In the Master's in Robotics, you will learn to develop robotic solutions for pressing challenges in industry, healthcare, and society. You will focus on all aspects of complex processes of dealing with robots: from the mechatronics to the AI that powers it. Thanks to the multidisciplinary nature of the programme, you will draw insights from fields including mechanical and electrical engineering, computer science, and social sciences. In addition, you can tailor your programme to your interests and objectives, by selecting a profile (focusing on research, design engineering, or innovation and entrepreneurship), and a specialisation (focusing on the hardware, software, or interaction). With your expertise, you will easily find a job at robotics start-ups, high-tech corporations, manufacturing and automation firms, healthcare and medical research institutions, and consumer electronics companies.

| | |
|-------------------------|-----------------------|
| MODE OF STUDY | Full-time |
| CREDITS | 120 EC |
| DURATION | 2 year |
| STARTS | February or September |
| LANGUAGE | English |
| TUITION FEE TYPE | Beta |

SPECIALISATIONS

- Algorithms and Software AI
- Human-Robot Interaction and Social AI
- Mechatronics and Physical AI

[UT.ONL/ROB](https://ut.nl/rob)


Robotics student testing an exoskeleton

**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€2,800 per month

**POTENTIAL EMPLOYERS**Secondary Schools
ROC van Twente
University of Twente**POTENTIAL JOBS**Mathematics Teacher
Computer Science Teacher
Chemistry Teacher
Physics Teacher
O&O Teacher

SCIENCE EDUCATION

Are you passionate about science and do you want to inspire young people by sharing your knowledge? In this Dutch-taught Master's, you will specialise as a secondary school teacher in mathematics, physics, chemistry, computer science, or design (O&O). During your studies, you will gain plenty of practical experience with an internship and benefit from a lot of personal attention and guidance. You can even combine this programme with another master's at the University of Twente with the possibility to graduate within a year. After completing the programme, you will receive a master's diploma and a first-degree teaching qualification, which allows you to work anywhere in Dutch secondary education. Given the high demand for academically trained teachers, most graduates quickly find jobs.

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| MODE OF STUDY | Full-time / part-time | SPECIALISATIONS |
| CREDITS | 120 EC | - Mathematics |
| DURATION | Max. 2 year (full-time) | - Physics |
| STARTS | February or September | - Chemistry |
| LANGUAGE | Dutch | - Computer Science |
| | | - Design (O&O) |

WWW.UT.ONL/SEC

**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€2,800 per month

**POTENTIAL EMPLOYERS**Witteveen+Bos
Enxsis Groep
Ministry of Infrastructure and Water
Management**POTENTIAL JOBS**Geospatial Analyst
Environmental Planner
Agronomist

SPATIAL ENGINEERING

Natural disasters, poverty, food shortages, epidemics, and climate change are among the greatest challenges society faces today. These wicked problems are immensely complex, defying simple solutions. The world needs dedicated engineers who won't shy away from these challenges but feel compelled to craft sustainable, resilient solutions. Are you ready to tackle these multifaceted issues with a deep understanding of spatial information science? If so, this Master's is the perfect choice for you.

You will learn to address large-scale societal challenges by combining technical and socio-economic knowledge with a strong foundation in spatial data analysis and modelling. You will become adept at mapping the conflicting needs of diverse stakeholders within intricate societal, political, economic, and cultural contexts. The key is to structure and redefine problems beyond obvious frameworks, enabling you to design solutions based on a multidisciplinary approach to wicked problems.

| | |
|-------------------------|-------------|
| MODE OF STUDY | Full-time |
| CREDITS | 120 EC |
| DURATION | 2 year |
| STARTS | September |
| LANGUAGE | English |
| TUITION FEE TYPE | Alpha-Gamma |

UT.ONL/SE

**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€3,200 per month

**POTENTIAL EMPLOYERS**Alliander
VDL Energy Systems
Stork**POTENTIAL JOBS**Project Integrator
R&D Engineer
Consultant

SUSTAINABLE ENERGY TECHNOLOGY

With an ever-growing global population and energy demands of industries and consumers rising higher than ever, we are rapidly depleting the non-renewable energy resources on our planet. The problem of climate change has raised the demand for engineers to develop and implement sustainable energy technologies. Do you feel called upon to make a valuable contribution to the sustainable energy transition? If so, the Master's in Sustainable Energy Technology is the right choice for you.

In this Master's, you will gain in-depth expertise within the field of sustainable energy, supplementing it with the broader knowledge and skills that are needed to achieve real change in our societies' energy systems. In this engineering programme, you will develop skills in the field of energy generation, distribution, and storage. This will help you to become a real energy system integrator, able to implement renewable energy technologies in our current or new energy networks.

4TU.

The 4TU.Federation, the partnership of the four universities of technology in the Netherlands, is committed to strengthening and bundling technological knowledge.

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| MODE OF STUDY | Full-time |
| CREDITS | 120 EC |
| DURATION | 2 year |
| STARTS | February or September |
| LANGUAGE | English |
| TUITION FEE TYPE | Beta |

UT.ONL/SET

**DEGREE**

Master of Science

**SALARY (AVERAGE)**

€3,750 per month

**POTENTIAL EMPLOYERS**Radboud UMC
Medisch Spectrum Twente
Philips**POTENTIAL JOBS**Technical Physician
Clinical and Product Specialist
Innovation Manager

TECHNICAL MEDICINE

Technology plays a major and increasingly important role in healthcare and medicine. Think of the use of artificial intelligence in detecting tumours, wearable sensors that can remotely monitor the health of people with chronic diseases, or the use of 3D-printed bone implants or prostheses. Innovative technological developments follow each other at a rapid pace and demand a professional who knows how to use technology as optimally and safely as possible in the diagnosis and treatment of individual patients. Are you eager to take on this specialist role? Then the Master's in Technical Medicine (Technische Geneeskunde in Dutch) is right for you.

This Dutch-taught programme will train you to become an officially registered technical physician (or clinical technologist) within the Dutch hospital services who can combine scientific medical and technical knowledge within various hospital units (e.g. radiology, neurology, cardiology, surgery, or intensive care).

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| MODE OF STUDY | Full-time |
| CREDITS | 180 EC |
| DURATION | 3 year |
| STARTS | February or September |
| LANGUAGE | Dutch |
| TUITION FEE TYPE | Beta |

SPECIALISATIONS

- Medical Imaging & Interventions
- Medical Sensing & Stimulation

UT.ONL/TM



Water Technology students preparing samples for analysis



DEGREE

Master of Science



SALARY (AVERAGE)

€2,836 per month



POTENTIAL EMPLOYERS

Nijhuis Saur Industries
Econvert
Wetsus



POTENTIAL JOBS

Process Engineer
Technologist
PhD Candidate

WATER TECHNOLOGY (JOINT DEGREE)

In the field of water technology, breakthrough technological developments are required. Not only to enable the export ambitions of the water sector but also to solve global threats and challenges in society. This joint master's focuses on the multidisciplinary study of biotechnology and separation technology. This combined technological approach is the main added value of this programme, as it may offer solutions to global developments, within business and society, and have a worldwide impact on the demand for and use of water. You will become an expert who is able to participate in resolving worldwide water issues, equipped with the scientific knowledge and capabilities that you need for a successful career in the dynamic international setting of business and research.

The Master's in Water Technology is offered jointly by the University of Twente, Wageningen University, and the University of Groningen with education being provided at the Wetsus Institute on WaterCampus in Leeuwarden.

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|-------------------------|-----------------------|
| MODE OF STUDY | Full-time / part-time |
| CREDITS | 120 EC |
| DURATION | 2 year (Full-time) |
| STARTS | September |
| LANGUAGE | English |
| TUITION FEE TYPE | Beta |

THE UNIVERSITY OF TWENTE



1961
FOUNDING YEAR



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SOCIAL MEDIA

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