The grand challenges the world will be facing during the coming decades will undoubtedly change the global university landscape too. Today’s students are tomorrow’s global citizens, professionals who will contribute to finding solutions for major issues in fields like health, ageing, water, green energy, security and smart cities. As a cutting-edge young and entrepreneurial university in the Netherlands, the University of Twente prepares young people for this future. It does so by offering cutting-edge, appealing and future-proof education. By being a global player in technology and social research. And by creating a thriving campus hot-spot, as a launch pad for hundreds of spinoff companies.

The University of Twente distinguishes itself by offering both technical curricula and social studies. The university slogan ‘High tech, human touch’ implies that we are continuously on the look-out for unexpected combinations of research and education, always with a view to the needs of society. We therefore cooperate closely with large companies, SMEs, health care institutions and government organizations, throughout our own region and around the world.

Our unique campus in the Twente region currently welcomes 9,600 students, and employs over 2,900 scientists and professional support staff.

“The most relevant innovations are found at the interface between different disciplines. Our combination of scientific excellence, entrepreneurial skills and international orientation allows us to develop solutions to the challenges of today and the future.”

Victor van der Chijs
Chairman of the Executive Board, University of Twente
The Twente Educational Model offers a modular approach, stimulates students’ independent acquisition of knowledge and gives them more scope to pursue their interests. In this way, the Twente Educational Model places more emphasis on a profound and conceptual understanding of the heart of a discipline or domain, which is more important than factual knowledge of every single aspect of a given domain. The intensive study and regular feedback require a high level of student engagement. Training in collaborative work and presentation skills takes place ‘on the fly’. For instance, Electrical Engineering students at the end of their first year take part in a competition in which groups of students try to build the best-performing broadcast antenna.

INSPIRING EDUCATION

The University of Twente aims to educate the professionals of the future. Graduates with an outstanding education, sought after by industry and government for their excellent skills and their unrivalled ability to provide creative solutions to unprecedented problems. The university’s alumni are well-rounded individuals with a thorough knowledge of their discipline and the ability to apply it intelligently and usefully, fully aware of the interdependence between technology, people and society. That is why, in addition to subject knowledge, the University of Twente’s educational programmes devote considerable attention to developing a wide range of personal skills in the three areas of research, design and entrepreneurship.
University College Twente is the international honours college of University of Twente - a prominent research university of technology in the Netherlands and a global name in research. Our University College is there to provide the right environment for students studying at the Bachelor’s programme in Technology and Liberal Arts & Sciences, or ATLAS in short.

We aspire to provide an inspiring educational setting to let them strive and get the most out of their study experience at ATLAS. The residential setting in which all ATLAS students live and work together, our inspiring academic staff and the small-scale, international classes and project groups all contribute to creating a truly student-centered environment for academic and personal growth.

STUDENT ENROLMENT IN 2015

Total number of enrolled students in 2015

9,645

Bachelor’s programmes

Total BSc

5,260

Master’s (incl Pre-Master’s and Post-Master’s) programmes

Total MSc

4,385

International student enrolment at the University of Twente in 2015

1,469

The Netherlands

338

European Economic Area (EEA)

312

Non-EEA

2,119

Total*

Number of nationalities 80

* Based on regular funding
MASTER’S 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 (3TU)
- Educational Science and Technology
- Electrical Engineering
- Embedded Systems (3TU)
- Environmental and Energy Management
- European Studies
- Geographical Information Management and Applications
- Geo-Information Science and Earth Observation
- Health Sciences
- Human Media Interaction
- Industrial Design Engineering
- Industrial Engineering and Management
- Mechanical Engineering
- Mechatronics
- Nanotechnology
- Philosophy of Science, Technology and Society
- Psychology
- Public Administration
- Science Education & Communication*
- Sustainable Energy Technology (3TU)
- Systems and Control (3TU)
- Technical Medicine*
- Telematics
- Water Technology

* These programmes are being taught in Dutch

BACHELOR’S PROGRAMMES*

- Technology And Liberal Arts & Sciences (Atlas)
- Advanced Technology
- Applied Physics*
- Biomedical Technology*
- Business & IT
- Chemical Engineering*
- Civil Engineering*
- Communication Science
- Creative Technology
- Electrical Engineering
- European Public Administration
- Health Sciences
- Industrial & Applied Mathematics
- Industrial Design
- Industrial Engineering And Management*
- International Business Administration
- Mechanical Engineering*
- Psychology
- Technical Computer Science
- Technical Medicine*

* These programmes are taught in Dutch

The programmes Construction Management and Engineering; Embedded Systems; Sustainable Energy Technology; Systems and Control are the result of close collaboration between the Technical Universities of Delft and Eindhoven and the University of Twente. The three universities have joined forces in the 4TU Federation (before: 3TU).

The programme Water Technology is offered jointly by the Wetsus Institute for Water Technology and the Universities of Groningen, Wageningen and Twente.
The University of Twente offers Professional Doctorate in Engineering (PDEng) programmes in Civil Engineering, Energy & Process Technology, Healthcare Logistics, Maintenance and Robotics. PDEng trainees follow a two-year post-Master’s technological designer programme, where they learn how to design high level, creative and innovative solutions for complex issues with a multidisciplinary character. Consisting of an educational component at the university and a period of practical design work in industry, the programme combines academic research in an industrial context with taught modules in a range of related subjects. The number of PDEng programmes will be extended substantially in the near future. More information: www.utwente.nl/pdeng.

**MOOCS**

The first two Massive Open Online Courses (MOOC’s) of the University of Twente have attracted a lot of attention worldwide. The MOOC Ultrasound Imaging, that started in the autumn of 2015, attracted over a thousand students in the first few days. Supply Chain Innovation, the second MOOC that started in January 2016, already has around 8000 participants. Both students and UT teachers are enthusiastic about the new form of education. “It is a great way of reaching a worldwide audience”, says Prof. Wendelt Steenbergen, who is responsible for the Ultrasound Imaging MOOC, that was initiated by UT’s Technical Medicine program. In 2016, a third MOOC on eHealth was initiated.

**PROFESSIONAL LEARNING AND DEVELOPMENT**

The University of Twente offers educational modules and full programmes for managers and professionals in areas such as Public Administration, Risk Management and Sustainable Innovation. The current programmes not only include part-time Master’s programmes but also in-company training, Master classes and short programmes in specific sectors. More information: www.utwente.nl/pld.

**FACULTIES**

The education of the University of Twente is provided by the five faculties:
- Behavioural, Management and Social sciences (BMS)
- Engineering Technology (CTW)
- Electrical Engineering, Mathematics and Computer Science (EEMCS / EWI)
- Science and Technology (TNW)
- Geo-Information Science and Earth Observation (ITC)

**TWENTE GRADUATE SCHOOL (TGS)**

Twente Graduate School coordinates high-quality educational programmes based on topics closely related to the work of the university’s research institutes, taught and supervised by expert researchers. We offer structured PhD programmes for outstanding graduate students who are keen to pursue a career in scientific research. Next to the PhD research project leading to a dissertation, the equivalent of 30 European Credits in a broad variety of discipline related, academic skills and career development courses enable students to specialize in their research area they are interested in while broadening their perspective on the societal context of technology and research.

www.utwente.nl/tgs

**HONOURS PROGRAMMES**

The Honours programmes of the University of Twente have a distinctive ‘high tech, human touch’ profile, and are aimed at highly talented, entrepreneurial and motivated students. For a full overview, please visit www.utwente.nl/honours.
CuriousU is the ultimate expression of the ‘High tech, human touch’ approach at the University of Twente: a festival-style summer school where students can attend high tech courses and enjoy the green campus.

The CuriousU Summer School is intended for Bachelor’s students in their second-to-last or final year, entry level Master’s students, but is also open to anyone with broad interests and an inquisitive mind.

We offer courses in some of our key research topics such as health, serious gaming, design and entrepreneurship at all levels, from beginners to advanced. Meanwhile, students have the chance to immerse themselves in a festive environment and meet like-minded fellow-students from all over the world.

www.utwente.nl/curiousu/
Meandering 3,000 km through the rough outback of Australia, the Bridgestone World Solar Challenge is the Formula 1 in solar car racing. It requires top sport skills and top sport mentality. 19 students, both University of Twente and Saxion, put heart and soul into the challenge, leading the Red One, as Twente’s solar car is named, to a second place. Just under four minutes behind the race winners: an immense achievement in the 2015 edition.

Thousands of hours of preparation were put into the race, with the students coming up with a secret weapon, SABINE (Solar Array Balancing Interface Not Expected): a system that maximizes the efficiency of the solar panels. SABINE not only attracted attention from the jury, rewarding Solar Team Twente with the Technical Innovation Award, but also from the business industry looking for innovative solutions in the growing market of solar energy.
EXCELLENT RESEARCH

The University of Twente sets standards in the field of new technology and seeks to stimulate change, renewal and progress in society. Excellence in research in the fields of nanotechnology, biomedical engineering and IT (especially the interfaces between these domains and their relationship with governance and behaviour) makes UT research exceptional. We are active in areas such as health, water, green energy, security, smart cities, and geo-information science and earth observation. As an entrepreneurial university, the University of Twente is outstanding in the commercialization of knowledge and expertise for economic and social benefits, and in collaborating with third parties.

RESEARCH INSTITUTES

Research at the University of Twente is – for the most part – organized in multidisciplinary research institutes such as:
- MESA+ Institute for Nanotechnology
- MIRA Institute for Biomedical Technology and Technical Medicine
- CTIT Institute for IT Research in Context
- IGS Institute for Innovation and Governance Studies
- ITC Geo-Information Science and Earth Observation
- In 2015, UT launched a Programme for Science Based Engineering

DOCTORAL DEGREES AWARDED IN 2015

234

RESEARCH FUNDING (IN M€) IN 2015

<table>
<thead>
<tr>
<th>Source of Funding</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct government funding</td>
<td>102.5</td>
</tr>
<tr>
<td>Government funding via agencies</td>
<td>21.4</td>
</tr>
<tr>
<td>Contract-based funding, national</td>
<td>31.0</td>
</tr>
<tr>
<td>Contract-based funding, international</td>
<td>21.3</td>
</tr>
<tr>
<td>Total funding from agencies and contracts</td>
<td>176.2</td>
</tr>
</tbody>
</table>

SCIENTIFIC OUTPUT 2015

- PUBLICATIONS TOTAL: 3,074
- REFEREED PUBLICATIONS: 2,731

ECONOMIC AND SOCIAL IMPACT

- TOTAL NUMBER OF SPIN-OFF COMPANIES: approx. 1,000 (since 1984)
Unexpected combinations, guts and team science are the three most important characteristics of the University of Twente’s DesignLab. It links experts in the fields of biomedical technology, nanotechnology and IT to their counterparts in the social sciences, public and business administration, as well as to industrial designers. Enabling such meetings to take place may help to speed up the process of finding solutions to social challenges. This also makes DesignLab a new type of discussion partner for the business sector.

The DesignLab is an international workspace and meeting place where researchers, students, entrepreneurs, business developers, government bodies and artists can join forces to develop creative applications for new technologies, and where they are inspired to find unexpected, creative avenues of approach to solutions to social and economic challenges. New concepts and ideas are picked up and developed in a non-traditional fashion, after which prototypes can be immediately tested. The DesignLab brings international and regional parties together for interdisciplinary innovation projects. It also provides them with access to the pool of knowledge and talent that exists at, and around, the university. In addition, the DesignLab has an important ambition - to develop new disruptive technologies, based on the latest scientific insights, to solve the societal challenges of our time.

www.utwente.nl/designlab

UNIVERSITY RANKINGS

126 LEIDEN RANKING
149 149 TIMES HIGHER EDUCATION WORLD UNIVERSITY RANKING (THE)
188 QS WORLD UNIVERSITY RANKINGS
301-400 SHANGHAI WORLD TOP 500 (ACADEMIC RANKING OF WORLD UNIVERSITIES, ARWU)

IMPORTANT AWARDS AND APPOINTMENTS

DESCARTES-HUYGENSPRIJS
Prof. dr. Willem Vos

BEST DEVELOPMENT PAPER FOR LEADERSHIP BRITISH ACADEMY OF MANAGEMENT
Dr. Michel Ehrenhard

EXTERNAL MEMBER OF THE MAX PLANCK INSTITUUT FOR DYNAMICS AND SELF-ORGANIZATION
Prof. dr. Detlef Lohse

HAROLD E. FEARON BEST PUBLISHED PAPER OF THE YEAR
Prof. dr. Holger Schiele

DR. A. H. HEINEKEN-AWARD FOR THE ARTS
Yvonne Dröge Wendel

ACADEMIC SOCIETY AWARD DUTCH ROYAL INSTITUTE OF ENGINEERS (KIVI)
Prof. dr. Vanessa Evers

SECOND ERC ADVANCED GRANT
Prof. Albert van den Berg

ERC STARTING GRANT
Prof. Sarthak Misra

ERC CONSOLIDATOR GRANT
Dr. Sonia García Blanco

PERSONAL GRANTS AND PRIZES (TOTAL NUMBER)

ERC Starting and Consolidator Grants: 18
ERC advanced grants: 7
ERC consolidator grants: 4
Spinzoa awards: 5
VENI grants: 44
VIDI grants: 36
VICI grants: 18
MESA+ Institute for Nanotechnology is a world leading nanotechnology research institute. MESA+ combines the disciplines of physics, electrical engineering, chemistry and mathematics. Around 525 researchers focus on new materials and nanostructures for a wide variety of ground-breaking technologies and applications such as lab-on-a-chip systems, sensors for early diagnostics, photonics, energy storage and conversion, and unconventional computing. MESA+ has a solid track record of uniting scientific disciplines and initiating and promoting strategic national and international cooperation. With the open-access NanoLab infrastructure, MESA+ has access to 1250 m2 of cleanroom space, state-of-the-art research equipment and specialized group labs.

DARWIN ON A CHIP
Researchers of MESA+ and have demonstrated working electronic circuits that have been produced in a radically new way, using methods that resemble Darwinian evolution. The size of these circuits is comparable to the size of their conventional counterparts, but they are much closer to natural networks like the human brain. It is the first time that scientists have succeeded in this way in realizing robust electronics with dimensions that can compete with commercial technology. According to prof. Wilfred van der Wiel, the realized circuits currently still have limited computing power. “But with this research we have delivered proof of principle: demonstrated that our approach works in practice. By scaling up the system, real added value will be produced in the future.”

For a full overview: www.utwente.nl/mesaplus
IGS INSTITUTE FOR INNOVATION AND GOVERNANCE STUDIES

IGS conducts multi-disciplinary research and offers postgraduate research training in the governance and management of technological and social innovation. The core research foci involve the co-ordination, steering and operation of institutions (and networks of institutions) in both public and private sectors, based on a multi-level, multi-actor perspective. IGS strives to combine scientific excellence with relevance for our stakeholders in the public and private sector.

MH17: EVALUATING THE GOVERNMENT’S MANAGEMENT OF THE CRISIS

A tragedy occurred with the Malaysia Airlines Flight MH17 being shot down over Eastern Ukraine in July 2014. Most of the 298 people who lost their lives in the disaster were Dutch nationals. The University of Twente’s research team was charged with the task of evaluating the Dutch government’s management of the MH17 crisis. After a difficult start, the Netherlands’ National Crisis Centre steadily got to grips with events as they unfolded,” explains René Torenvlied, Professor of Public Management at the University of Twente’s Department of Public Administration, who led the evaluation. “The families of the Dutch victims praised the extensive support they received from the family liaison officers of the national police. In the Netherlands, the public is generally satisfied with the information provided by the government.”

For a full overview: www.utwente.nl/igs
MIRA is inspired by the increasing role of technology in healthcare. Developing new technology for patients implies a synergetic combination of fundamental and applied research with clinical practice. Examples are rehabilitation research focusing on the interplay of the brain, nerves, muscles and skeleton, advanced imaging technology for better diagnostics and care, and technologies that restore the functioning of diseased organs and damaged tissues. To ensure that patients benefit from our innovations in healthcare, MIRA cooperates closely with local and academic hospitals and has an active start-up policy.

DUCHENNE ROBOTARM
The muscles of Duchenne Muscular Dystrophy patients become weaker during their life. As a result, boys with Duchenne lose the ability to use their arms until, eventually, they are unable to use them at all. There are a few support aids that can recapture the loss of muscle function in the arms, but these support aids do not compensate for the entire loss of function and can result in stigmatization.

Over the past four years, researchers of MIRA, together with colleagues in the field, have been working on two arm supports: a passive arm support - controlled by the user, without motors - and an active arm support - powered by motors that are controlled by the user. The active arm support is controlled by electrical (EMG) muscle signals or minimum muscle strength from the arm, which makes movement as intuitive and natural as possible.

For a full overview: www.utwente.nl/mira
One of the major pillars of the University of Twente is information technology, which is organized into a single research institute, CTIT. The institute is home to some 400 researchers. It is unique across the Netherlands and beyond, notably for its decision to place ICT science in a broad technological and societal context. Multidisciplinary research is key, yet based on the insight that excellence can only be attained by excelling in a specific expertise.

Methods and strategies against criminals in the virtual world
Specialized training provided by INTERPOL equips law enforcement with the understanding and tools they need to take very real action targeting criminals in the virtual world. Prof. dr. Pieter Hartel, who is a full professor in Cyber Security and Crime Science and researcher at CTIT, co-developed the course with INTERPOL and TNO, the Netherlands Organization for Applied Scientific Research. The training focuses on identifying the methods and strategies used by organized crime networks and individuals to avoid detection on the Darknet. In the training course, participants role-played as vendors, buyers and administrators to improve their understanding of the technical infrastructure of the Tor network hidden services, the structure of illicit marketplaces, and cryptocurrencies.

For a full overview: www.utwente.nl/ctit
ITC is the UT’s Faculty of Geo-Information Science and Earth Observation. Their mission is to develop capacity, particularly in less developed countries, and to utilize geospatial solutions to deal with national and global problems. Spatial solutions will play an increasingly important role in meeting many of mankind’s complex challenges (often wicked problems), such as climate change, population growth, and related claims for sufficient and secure food, water, energy, health, land and housing provision.

**STARS: improve African agriculture through remote sensing technology**

Low-income countries may see improvements in their agricultural management systems through modern remote sensing technology, such as satellites, aircraft and the information they collect. Out of the vast amount of data collected, advice can be provided to farmers on the ground to help inform their decisions about farming methods.

ITC is lead partner in the STARS project: a research project which is looking for ways to use remote sensing technology to improve agricultural practices in Sub-Saharan Africa and South Asia. Supported by the Bill & Melinda Gates Foundation, the project hopes to significantly advance the livelihoods of smallholder farmers in some of the world’s poorest countries.

For a full overview: [www.utwente.nl/itc](http://www.utwente.nl/itc)
The University of Twente is committed to enhancing its relationship with the business community. In keeping with its enhanced ambitions regarding entrepreneurship, UT has established a special Strategic Business Development unit.

As an entrepreneurial university, our fundamental objective is to create value for and have an impact on partners and stakeholders in the Twente region, the Netherlands, Europe, and ultimately society at large. Based on broad areas of technology and general themes such as safety, health, and energy and a strong value proposition in the key technologies – IT, nano- and biotechnology, geo-information science and earth observation – and engineering, in a social context (governance and behaviour), we will sharpen our focus on five key fields of industrial research in 2015-2020:

- advanced materials,
- advanced manufacturing and mechatronics,
- medical technology and devices,
- wireless and remote sensing,
- safety and security.

These five themes transcend the individual institutes and faculties. We would like to collaborate with the corporate sector to develop broader programmes, in which both business and technology are represented, and both education and research. The requirements of the company are key. Where do we see opportunities to, using the knowledge and expertise of the UT, create value for the company? That’s the assignment.

Fraunhofer
In 2015, the University of Twente and Fraunhofer have entered into a long-term partnership in the area of applied technical science. The first step is the establishment of a Fraunhofer Project Centre for ‘Design and Production Engineering in Complex High-Tech Systems’ at the UT campus, Fraunhofer’s first representation in the Netherlands. Fraunhofer is Europe’s largest non-profit organization for applied research and has a powerful international reputation. 66 research institutes are affiliated in Germany and 7 abroad. The cooperation is an important step in Twente’s further development as a technological top region with a strong interest in the link between social and technical sciences; a discipline the University of Twente with its High Tech Human Touch is well versed in. For the University of Twente, this collaboration rhymes well with the existing internationalization policy, which sees the UT seek out and establish connections with strategic partners across a global network.

Stevens Institute of Technology
Over the coming years, the University of Twente and Stevens Institute of Technology intend to further shape their joint intentions and efforts. What is clear, however, is that the University of Twente’s social science expertise will play a key role in the process. Stevens is a technical university with a strong interest in the link between social and technical sciences; a discipline the University of Twente with its High Tech Human Touch is well versed in. For the University of Twente, this collaboration rhymes well with the existing internationalization policy, which sees the UT seek out and establish connections with strategic partners across a global network.

Cottonwood
Cottonwood Technology Funds, a top performing investor in technology start-ups in the US, opened its European headquarters in the Twente region in the Netherlands. Cottonwood primarily invests in companies active in photonics, advanced materials, healthcare and clean energy. According to the Dutch founding partners the University of Twente, PPM Oost, Twente Region and Thales, the start of Cottonwood in Twente accelerates Twente’s ambition to become Europe’s leading high-tech region in High Tech Systems and Materials.
The University of Twente cooperates closely with universities, companies and governmental organizations in its immediate area, elsewhere in the country and throughout the world, with the needs of society constantly in mind. We feel that one of our prime responsibilities is to have a beneficial economic impact on the Twente region. Around 1,000 spin-off companies have been established over the past three decades, many of which are still active partners of the university.

Kennispark Twente (Twente Science Park) was founded by the University of Twente in cooperation with the province of Overijssel, the municipality of Enschede, the Twente region and Saxion University of Applied Sciences. It has been created to transform innovations into tangible economic activity and to boost innovative approaches and the knowledge infrastructure in the Twente region, and provides an environment where knowledge-driven companies can continue to develop their business, and prosper.

Twente Science Park gives both young and more seasoned entrepreneurs access to financing, talented staff, business development support programmes, new concepts and accommodation. In addition, the entrepreneurs can make use of the research facilities of the University of Twente. This unique construction allows scientists and entrepreneurs to join forces to bring about innovation. Even the physical surroundings have been adapted to include both physical and virtual meeting places for scientists and entrepreneurs.

KENNISPARK TWENTE: KNOWLEDGE HUB AND INNOVATION CAMPUS
Eurekite is the first worldwide provider of nanotechnology based flexible ceramics. The technology, initially developed at the Inorganic Materials Science group of MESA+ Institute for Nanotechnology, has numerous benefits over current ceramics, in particular that it behaves like paper and can be bent and shaped into any position, and that it is not brittle. Therefore it can be used in many harsh environments without the limitations of currently available to ceramics and also providing unique thermal, electrical, catalytic and filtering characteristics.

“These properties will enable industry to break the design rules of electronic systems and devices. This will enable the development of new novel product concepts”, says Gerard Cadafalch, co-founder and CEO of Eurekite: “We are already receiving customer interest internationally across applications as diverse as oil & gas sensors, mobile phone antenna’s, lithium-ion battery energy density and performance upgrades, high power electronics for electric vehicles and even solar energy.

In 2015, Cottonwood Euro Technology Funds, an affiliate of the top performing seed stage investor in science based technology start-ups in the US, has closed on founding capital to begin operations in Enschede.

DUTCH STUDENT INVESTMENT FUND: INVESTING BY STUDENTS FOR STUDENTS

The Dutch Student Investment Fund is Twente’s response to a difficult market for early financing of student-companies. Victor van der Chijs, president of the Executive Board of the University of Twente: “As an entrepreneurial University, we acknowledge the need of student start-ups for our economy. By starting the Dutch Student Investment Fund, we put action to our words. It also makes clear why we already make students responsible for activities in and around the university. We are confident that especially students have a clear view on new developments and opportunities for societies.”

The fund will be led by a board consisting mainly of students and an investment committee with only student members. It is the first time in Europe such a start-up fund led by students is founded. In the forthcoming years, an estimated 1 million euro’s will be invested as convertible loans to promising student-led start-ups in the region of Twente. Lipocoat, is the first to receive support from the fund. The UT startup develops coatings for medical application, that make sure medical aids will no longer be rejected and inflammation or painful reactions will be reduced. A first application might be possible in contact lenses, to reduce contact lens irritations.
PARTNERSHIPS

The University of Twente works closely with universities, knowledge institutions and multinationals from all over the world. We are a member of the 3TU.Federation, a strategic partnership of the three leading universities of technology in the Netherlands (Delft University of Technology, Eindhoven University of Technology, and the University of Twente). With Wageningen University joining in 2016, the first joint activities under the flag of 4TU, based on proposals from the academic staff, are expected to be starting in 2017.

Together with ten other young and innovative universities across Europe, the University of Twente is a member of the European Consortium of Innovative Universities (ECU). In addition to ECU, we maintain academic relationships in several target regions around the world.

There are strong ties with top European research universities such as Westfälische Wilhelms University Münster (Germany), KTH Royal Institute of Technology, Lund University (Sweden), and the European Institute of Innovation and Technology (EIT) (Hungary). In Asia, we cooperate with different universities in China, Indonesia and India. Furthermore, we collaborate with different hospitals and leading international companies such as ASML, Boeing, Google, Microsoft, Unilever, Akzo Nobel, Shell, Siemens, BP and Philips.

The University of Twente has signed various Memorandums of Understanding (MOUs) with universities and institutes outside Europe. Two MOUs signed with top institutes in Brazil, the Instituto Tecnológico de Aeronáutica (ITB) and the Universidade de São Paulo, represent a new step in cooperation with the best South American universities.

A Memorandum of Understanding with Singapore University of Technology and Design (SUTD) provides a framework for collaboration in teaching and joint research. SUTD is one of the first universities in the world to incorporate the art and science of design into a multi-disciplinary curriculum.

Extensive MOUs with the Indian Institute of Technology (IIT) in Madras and the IIT in Karaghpur specify the intended exchange of staff and students, and joint educational programmes.

Alumni

The University of Twente strives to maintain a strong relationship with its alumni (who currently number more than 40,000) around the world. We consider all our graduates to be ambassadors of the university, and we wish to keep in close contact with them. We support a range of activities and services for alumni both in the Netherlands and elsewhere, which provide opportunities for keeping up to date with news from the University of Twente, meeting one another, and expanding professional networks.

OVER 40,000 ALUMNI ACROSS THE WORLD
ORGANIZATION

FLOW OF FUNDS - BUDGET (IN M€)

- Direct government funding: 193.5
- Contract-based research: 73.7
- Contract-based education: 1.6
- Other contract-based activities: 7.9
- Tuition fees: 21.3
- Other: 14.4
- Total: 321.4

STAFF COMPLEMENT

- TOTAL: 2,602
  - ACADEMIC*: 1,528
  - SUPPORT: 1,074

* incl. PhD students

MALE/FEMALE RATIO

ACADEMIC | SUPPORT
--- | ---
TOTAL | | 1,520 | 1,071
| ACADEMIC | | 1,069 | 451
| SUPPORT | | 535 | 536

PERCENTAGE FOREIGN STAFF

- DUTCH: 2,270
- FOREIGN: 668

- 70% of ACADEMIC staff are male
- 30% of ACADEMIC staff are female
- 50% of SUPPORT staff are male
- 50% of SUPPORT staff are female

CAMPUS

- ACADEMIC: 1,069 (70%)
- SUPPORT: 535 (50%)

- MALE/FEMALE RATIO: TOTAL 1,520 (70%) / 1,071 (30%)

- Cultural Associations: 19
- Sports Associations: 38

- Student Apartments: 2,125
- Staff Housing: 60

- Area: 146 hectares (360 acres)

- Area: 146 hectares (360 acres)

- Area: 146 hectares (360 acres)

CAMPUS

The campus of the University of Twente is an international hot spot: a meeting place for students, for scientists with a multidisciplinary focus and for companies and governments in their quest for knowledge. The campus buildings are located on an impressive estate, in the municipality of Enschede. The scenery is diverse: meadows, water, landscaped gardens and extensive areas of woodland. Scattered around the campus are state-of-the-art research and educational facilities. But the campus is also a place to live, play sports and relax. In summer, the campus is a popular spot for walks and other forms of leisure. It offers a wide range of facilities, such as student and staff housing, sports rooms and grounds, swimming pools, shops, meditation and prayer facilities, medical care, bars, restaurants and even an open-air theatre. The campus is also a venue for events like ‘Create Tomorrow’, the world’s largest student think tank, CuriousU, a festival-style summer school where bachelor’s students can attend high tech courses and experience, and the end-point of the ‘Batavierenrace’, the biggest student relay race in the world, covering a distance of 185 km from Radboud University Nijmegen and ending at the University of Twente, where it culminates in the largest student party of Europe. The campus is within cycling distance of the bustling centre of Enschede, which also offers many cultural attractions as well as places of worship.

LIVING LAB

Utilizing our campus as a ‘living lab’ means that we use it as a test and demonstration facility for the latest technology originating from our university and beyond. One example of this is the development of a smart grid to monitor and regulate the supply of energy. In this way we are not only improving our campus, but we are also assisting our research efforts.