



**UNITECH**  
International

The  
**UNITECH Programme**

2019/2020

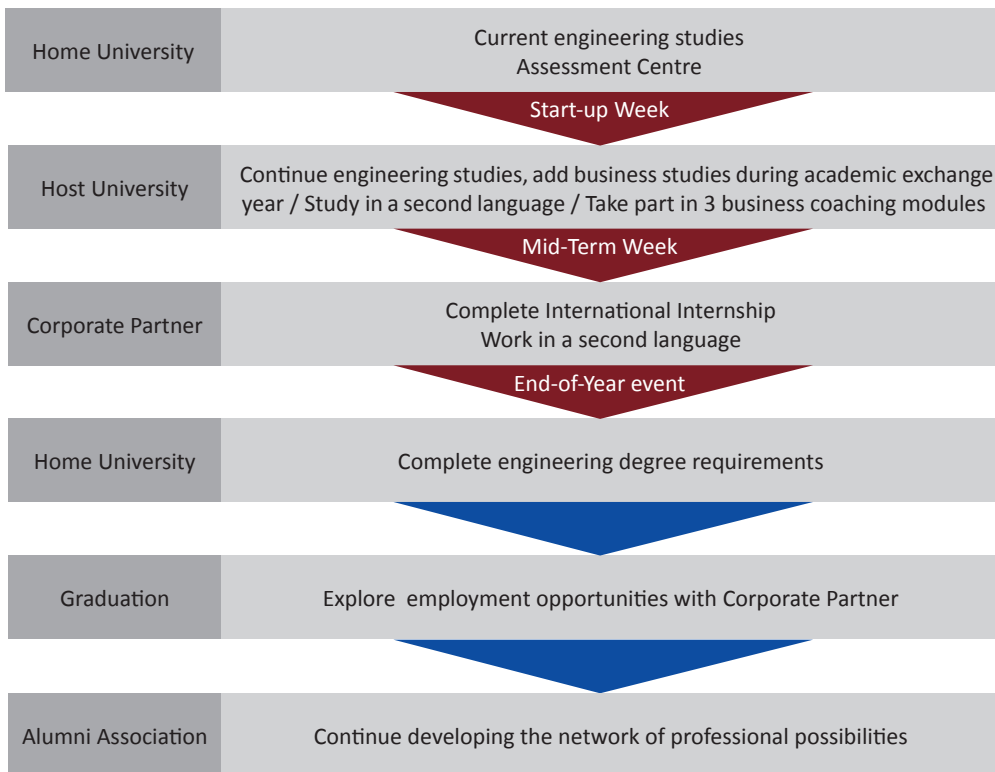


**UNITECH**  
International

Engineering a network of professional possibilities

... a network of professional possibilities

## The Structure



### Three coached Modules

UNITECH students are people who want to become highly qualified internationally experienced engineering graduates with access to prime international internships and employment positions.

As a UNITECH you will have earned a specific engineering degree plus at least one year of international experience and exposure. Add that to the highly developed skills and sensitivities gained during the one year UNITECH Programme and you have the advanced capabilities in handling diverse people, tasks and professional situations that will take you far along your career path.

Participation in the UNITECH Programme brings advantages on two levels:

#### UNITECH Alumni Association

After the UNITECH year, the student is encouraged to become a member of the UNITECH Alumni Association (UAA), which is a network of young international engineering professionals who have taken part in the UNITECH Programme. The association aims to preserve the UNITECH spirit and is responsible for liaising between its members, UNITECH International Society and its Academic and Corporate Partners. UAA puts together a rich programme of educational and social events for its members. Please read more about the UAA:

<https://www.unitech-international.org/the-network/alumni>

#### Eligibility for the UNITECH Programme

Because of its high performance expectations, not everyone is eligible to join the UNITECH Programme. The UNITECH Programme is only available to full-time students of the UNITECH partner universities. As a UNITECH student you have to be enrolled at your home university and pay your tuition fee there. You do not have to pay a tuition fee at your host university. Students from non-partner universities cannot

#### Financial support by UNITECH

Students accepted into the UNITECH Programme will receive a mobility grant to cover travel costs related to the academic exchange and Joint Modules. The mobility grant for the UNITECH year 2019/2020

Engaging with the programme means direct professional and personal connections with UNITECH Corporate Partners, who are eager to establish their own connections with talent like you. The nature of this engagement can be at the professional engineering level and can go further than that of a classic HR-driven recruiting contact.

The UNITECH network provides professional and personal connection to like-minded professionals from other partner universities and among the UNITECH Alumni Association members. These connections are intended to bring mutual benefit in areas of technical innovation, market opportunities and knowledge sharing.

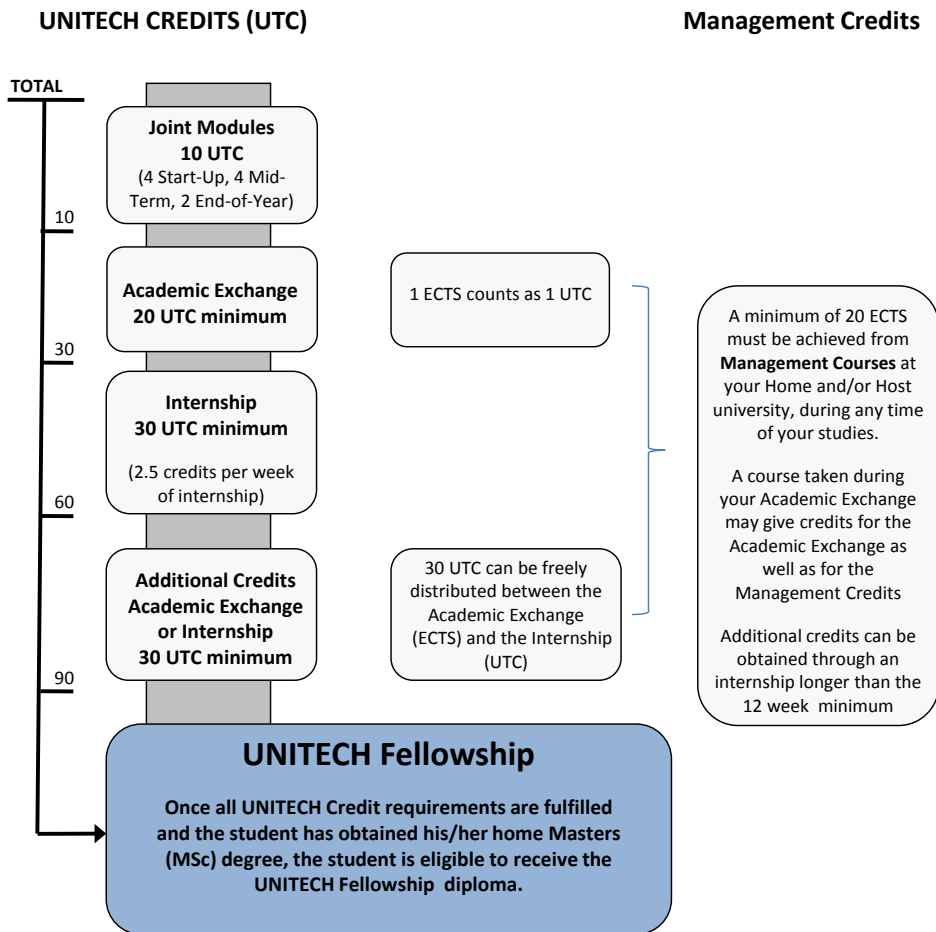
On the local level, the UAA organizes various events in Local Chapters. Meet each of the Local Chapter Coordinators at <https://www.unitech-international.org/the-network/alumni/about-the-unitech-alumni-association/organisation/uaa-council>. Each Local Chapter Coordinator has experienced the UNITECH Programme and can answer a wide range of questions concerning the programme, the university and some other partner universities.

participate in the UNITECH Programme.

English is the international business language and all UNITECH students are required to have a proficient knowledge of English (spoken and written). At the different UNITECH partner universities and our Corporate Partners the level of knowledge of the local native language required varies.

will be 1'000 Euros. During the internship, UNITECH students will be compensated according to the practices of the Corporate Partner which should cover at least the living costs.

# The UNITECH Credit System



## How to gain advantage?

### Academic exchange

You gain academic advantage through spending at least one semester at one of the UNITECH partner universities, living and studying in a foreign-language area<sup>1</sup>, where you will extend your studies in engineering and be able to take additional management courses. The Local Coordinator at your home university is the main contact and

can support you in the administrative procedures such as enrolment and study plan submission.

If you have any questions concerning the alignment of studies abroad with your home curriculum, the Programme Director at your home university is there to help you.

### Internship

Your second area of advantage is the internship with a UNITECH Corporate Partner company, and this is where you as a student can get a really good look at a specific company in which you may have an employment interest. Your exceptional qualities as a UNITECH student

are seen as a valuable short-term addition to a Corporate Partner's talent resources. The internship placement, from the view of the student, is also in a foreign-language country in order to extend your abilities to perform internationally.

### Joint Modules

Each module is run and supported by an experienced coaching team drawn from our Corporate Partner network. During the UNITECH year you will attend the unique and specially designed UNITECH Joint Modules:

Start-Up Week is an intense growth period for you as UNITECH students as you come together for the first time – for a week of self-discovery and business-skill building through exercises and discussion. You enjoy close contact with Corporate Partners, who bring value to this week through formal events, such as presentations on key themes and informal opportunities for in-depth discussion of cutting-edge topics. These interactions put Corporate Partners face to face with you – the talent of the future at a very influential stage of your development.

The Mid-Term Week focuses on a set of case assignments provided by the Corporate Partners. Real issues are given to the student groups, with the Corporate Partners expecting, and receiving, real results that are, in many cases, put into effect directly in the Corporate Partner's operations or strategy.

At the end of the UNITECH year, you re-group after your time at exchange universities and internships with Corporate Partners. As you prepare to complete your academic studies, there are again formal and informal interactions with Corporate Partners woven into the final module, including interviews where Corporate Partners can begin the formal process that leads to employment.

<sup>1</sup> Students at RWTH Aachen may not do an exchange at ETH Zurich, and vice versa. Students at Trinity College Dublin may not do an exchange at Loughborough University, and vice versa.

## The university locations



1 Chalmers University of Technology, Göteborg

2 ETH Zurich

3 INSA Lyon

4 Loughborough University

5 Politecnico di Milano

6 RWTH Aachen

7 Trinity College Dublin

8 TU Delft

9 UPC Barcelona

## Chalmers University of Technology

Chalmers University of Technology, founded in 1829, is a private institution owned by a foundation located in Gothenburg on the west coast of Sweden. The university hosts 13 departments which carry out research and teaching mostly within engineering, science and architecture and it is one of the largest and most highly acclaimed universities of technology in Scandinavia. The total number of students is about 10'000 of which about 30 percent are international students. Chalmers has partnerships with major industries mostly

in the Gothenburg region such as SKF and all education is linked to excellent research. Chalmers can offer a safe and open-minded study environment with attractive, spacious study areas and computer labs which are accessible at all times. Chalmers has two centrally located campuses with easy access to the city centre. Chalmers has the ambition to use modern pedagogical techniques such as problem-based learning and project based teamwork under realistic conditions

## Website

<http://www.chalmers.se/en/Pages/default.aspx>

<http://www.chalmers.se/en/education/student-mobility/Pages/default.aspx>

## Participating departments

- Biology and Biological Engineering
- Civil Engineering
- Chemistry and Chemical Engineering
- Communication and Learning in Science
- Computer Science and Engineering
- Electrical Engineering
- Industrial and Materials Science
- Mathematical Sciences
- Mechanics and Maritime Sciences
- Microtechnology and Nanoscience
- Physics
- Space, Earth and Environment
- Technology Management and Economics

## Programme Director

Lena Peterson

T: +46 31 772 18 22

E: [lenap@chalmers.se](mailto:lenap@chalmers.se)

## Local Coordinator

Ing-Britt Carlsson

T: +46 31 772 11 78

E: [ingcar@chalmers.se](mailto:ingcar@chalmers.se)

## UAA Local Chapter Coordinators

Nicole Ascard

E: [uaa.lcc.sweden@unitech-international.org](mailto:uaa.lcc.sweden@unitech-international.org)

## Are you currently studying at Chalmers University of Technology and would like to apply? Please note the following:

<b>Requirements</b>	Only students who are currently enrolled in the third year of the five-year engineering programmes are eligible to apply to UNITECH. Students from all engineering fields are welcome to apply.
<b>Information Event</b>	1 and 3 of October 2018 (GD-hall in Physical Engineering building at 17:15)
<b>Application deadline</b>	15 of December 2018
<b>Assessment Centre</b>	31 of January 2019

## Would you like to do your academic exchange at Chalmers University of Technology? Please note the following:

<b>Requirements</b>	BSc of Engineering degree or equivalent at home university must be completed. Thesis work can't be done at Chalmers.
<b>Course catalogue</b>	<a href="https://student.portal.chalmers.se/en/Pages/default.aspx">https://student.portal.chalmers.se/en/Pages/default.aspx</a> Select "Studies → Course information → Search course" or "Studies → Programme information → Search programme". You can apply for courses marked with the text "The course is open for exchange students. Make sure to select courses from the right sp (study period). Fall semester includes sp 1 and 2, spring semester includes sp 3 and 4. You should also select courses from different block schedules, to avoid collisions in the schedule.
<b>Management courses</b>	<b>UNITECH students are recommended to select management courses from the following MSc programmes:</b> <ul style="list-style-type: none"><li>▪ Management and Economics of Innovation</li><li>▪ Quality and Operations Management</li><li>▪ Supply Chain Management</li></ul> <b>UNITECH students can't select courses from the following MSc/BSc programmes:</b> <ul style="list-style-type: none"><li>▪ MSc Entrepreneurship and Business Design</li><li>▪ MSc International Project Management</li><li>▪ MSc Design and Construction Project Management</li><li>▪ BSc Business Development and Entrepreneurship</li></ul>
<b>Teaching language</b>	English at all MSc programmes
<b>Academic year and Examination periods</b>	<a href="https://student.portal.chalmers.se/en/chalmersstudies/Pages/TheAcademicYear.aspx">https://student.portal.chalmers.se/en/chalmersstudies/Pages/TheAcademicYear.aspx</a>

## ETH Zurich

ETH Zurich has come to symbolise excellent education, groundbreaking basic research and applied results that are beneficial for society as a whole. Founded in 1855, it today offers researchers an inspiring environment and students a comprehensive education as one of the world's leading universities for technology and the natural sciences. ETH Zurich has almost 20'600 students from approximately 120 countries, 4'000 of whom are doctoral candidates. More than 530

professors teach and conduct research in the areas of engineering, architecture, mathematics, natural sciences, system-oriented sciences, and management and social sciences. ETH Zurich regularly appears at the top of international rankings as one of the best universities in the world. Twenty-one Nobel Laureates have studied, taught or conducted research at ETH Zurich, underlining the excellent reputation of the institute.

## Website

[www.ethz.ch/index\\_EN](http://www.ethz.ch/index_EN)  
[www.incoming.ethz.ch](http://www.incoming.ethz.ch)

## Participating departments

- Civil, Environmental and Geomatic Engineering (D-BAUG)
- Mechanical and Process Engineering (D-MAVT)
- Information Technology and Electrical Engineering (D-ITET)
- Computer Science (D-INFK)
- Materials Science (D-MATL)
- Management, Technology and Economics (D-MTEC)
- Physics (D-PHYS)
- Computational Science and Engineering (part of D-MATH)
- Chemical Engineering (part of D-CHAB)

## Programme Director

Mirko Meboldt

T: +41 44 632 72 38

E: [meboldtm@ethz.ch](mailto:meboldtm@ethz.ch)

## Local Coordinator

Julia Wussler

T: +41 44 632 21 41

E: [julia.wussler@akd.ethz.ch](mailto:julia.wussler@akd.ethz.ch)

## UAA Local Chapter Coordinators

Matthias Untergassmair, Carina Heuberger, Jay O`Nien

E: [uaa.lcc.switzerland@unitech-international.org](mailto:uaa.lcc.switzerland@unitech-international.org)

## Are you currently studying at ETH Zurich and would like to apply? Please note the following:

### Requirements

UNITECH is designed for advanced students of the above mentioned study programmes/departments with average grades of at least 4.5 who are approaching completion of their studies. Students mostly participate during the MSc programme. The best time to apply for UNITECH is 5th – 6th semester, so that students are participating in the UNITECH Programme during their 7th and 8th, or 8th and 9th semester. We generally discourage applying at an earlier or later point in your studies. However, exceptions may be made in well-founded cases. Students must in any case contact their Departmental Exchange Coordinator before they submit their application and fill out the online application of ETH Zurich and the UNITECH Office. The online application for the following academic year will be available as of end of October and can be found at:

[www.ethz.ch/unitech-out](http://www.ethz.ch/unitech-out)

and for the UNITECH Office at:

<https://www.unitech-international.org/the-programme/application>

### Information event

29 November 2018

### Application deadline

9 January 2019

### Assessment Centre

21 February 2019

## Would you like to do your academic exchange at ETH Zurich? Please note the following:

### Requirements

ETH Zurich has high academic requirements and courses are intense and demanding. Incoming students must therefore be able to perform at a high level and be in good standing with respect to their academic achievement. Furthermore, students must have completed at least two years of education at university level when coming to ETH Zurich. Please note that **only few** UNITECH students can be enrolled at the Department of Management (D-MTEC) and that ETH Zurich is well known for natural sciences and engineering. Please be aware that only Master's degree students with a BSc in science or engineering can apply for the Department of Management (D-MTEC).

### Teaching language

The majority of courses in the BSc programmes are taught in German whereas the majority of MSc courses are taught in English. Some study programmes also offer a few courses in English on advanced BSc level. The language of instruction for each individual course can be found in the course catalogue.

### Course catalogue

[www.courses.ethz.ch](http://www.courses.ethz.ch)

Please make sure to carefully read our study plan guidelines:

[www.ethz.ch/content/dam/ethz/main/education/non-degree/mobilitaet/PDF\\_englisch/study-plan-guidelines.pdf](http://www.ethz.ch/content/dam/ethz/main/education/non-degree/mobilitaet/PDF_englisch/study-plan-guidelines.pdf) and to list at least **⅓ of your courses from one department**. *You will apply to this particular department of ETH Zurich and if they accepted you no further department changes are possible!*

Regarding the workload students are strongly recommended to take no more than 25 ECTS. 30 ECTS are possible for one semester but you may have problems with the workload.

### Academic year and examination periods

[www.ethz.ch/semester-dates](http://www.ethz.ch/semester-dates)

## INSA Lyon

INSA Lyon is one of France's largest engineering graduate schools and among the top 10 universities of Science and Technology in Europe. INSA Lyon operates a fully integrated Education, Research and Innovation approach. Since its creation in 1957, INSA Lyon included both international and human and social aspects in the curriculum of its engineers. In fact, equal importance is given to its international relations and openness as to the quality of its education and research. The international arena has been an essential area for development notably through numerous educational and research partnerships: 200 partner universities, 75% students study abroad, 30% foreign students on the campus and 10 foreign languages taught at INSA Lyon.

INSA Lyon is a leader in science education, as well as a pioneer in terms of its policies concerning accessibility and diversity. INSA Lyon stands out from the crowd. For example, it is one of the few engineering schools that houses a High Level Sports Section (SSHN) recognised by the Ministry for Sport.

Other Specific unique sections are available on campus such as: Plastic Arts Studies, Dance Studies, Music Studies and Theatre Studies. It graduates over 800 engineers each year in 9 fields of specialization.

Top quality training in engineering (5-year program after Bac/A-levels) in 9 specializations

- post Master's programs accredited by the "Conférence des Grandes Ecoles"
- 11 Master's of Science programs
- 8 doctoral schools
- 22 research Laboratories

## Website

<http://www.insa-lyon.fr/>  
<http://www.insa-lyon.fr/en/unitech>

## Participating Schools/Departments

- All INSA Lyon departments

*INSA Lyon doesn't have a Management department, only a few lectures are available in that domain. Therefore it is not possible to complete the semester requirements only with management courses.*

## Regular Courses:

<https://exchange-student.insa-lyon.fr/>

## Registering for Courses taught in English:

<https://exchange-student.insa-lyon.fr/>

## Flyer PDF available for all the lectures in English at INSA:

<https://www.insa-lyon.fr/en/courses-taught-english>

### Programme Director

Marie Pierre FAVRE  
T: +33 4 72 43 88 56  
E: [dri@insa-lyon.fr](mailto:dri@insa-lyon.fr)

### Local Coordinator

Thalia DARNANVILLE  
T: +33 4 72 43 62 77  
E: [unitech@insa-lyon.fr](mailto:unitech@insa-lyon.fr)

### UAA Local Chapter Information

E: [contact@unitech-alumni.org](mailto:contact@unitech-alumni.org)

## Are you currently studying at INSA Lyon University and would like to apply? Please note the following:

<b>Requirements</b>	Students of 3rd and 4th year can apply to participate in UNITECH Programme during the 4th or 5th year. Excellent academic and linguistic level is compulsory to apply to UNITECH Programme
<b>Information event</b>	08 – 12 October and November 2018
<b>Application deadline</b>	07 January 2019
<b>Assessment Centre</b>	07 February 2019

## Would you like to do your academic exchange at INSA Lyon University? Please note the following:

<b>Requirements</b>	Excellent academic level is compulsory to apply to INSA Lyon.
<b>Language</b>	French, Level B1 (according to the CECR "Cadre européen commun de référence") strongly recommended Students must fulfill specific English and/or French language requirements according to the chosen study scheme
<b>Course catalogue</b>	<a href="https://exchange-student.insa-lyon.fr/">https://exchange-student.insa-lyon.fr/</a> <a href="https://www.insa-lyon.fr/en/courses-taught-english">https://www.insa-lyon.fr/en/courses-taught-english</a>
<b>Teaching language</b>	French and English depending on the lectures
<b>Academic year</b>	First semester: mid September to end of January Second semester: February to end of June (Note that the departments: "Industrial Engineering=GI" and "Energy and Environment Engineering=GEN" can't receive students during the spring semester -S2-)
<b>Examination periods</b>	January and June

## Loughborough University

In 1909 a small Technical Institute in the centre of Loughborough was established, which provided local facilities for further education and offered courses in technical subjects, science and art. The vision of its founding father, Dr Herbert Schofield, has enabled it to develop into one of the country's top universities and build upon its distinctive characteristics. In April 1966 Loughborough was awarded its Charter, in recognition of the excellence achieved by Loughborough College of Advanced Technology and its predecessor colleges. Then called Loughborough University of Technology, it was the country's first technological university. It was renamed Loughborough University in 1996. Other developments have included the reunification in 1977 with Loughborough College of Education and with Loughborough College of Art and Design in 1998. Today it is one of the UK's leading universities, with a reputation for excellence in teaching and research, strong links with business and industry and unrivalled sporting achievement. Teaching at Loughborough University has consistently

been rated excellent in independent assessments, placing the University towards the top of the teaching quality tables. In order to sustain this exceptional quality the University has developed strong academic, guidance and welfare systems to support students throughout their education. The university was awarded two national centres for excellence in teaching and learning; one in industry and employer linked engineering education, and the other in mathematics and statistics support, the university is internationally known for the innovative work of the two centres. Loughborough has been recently named University of the Year by The Times and Sunday Times, University Guide 2019. It was ranked 6th amongst all UK Universities in the Guardian University league table 2018, and 10th in the Complete University Guide 2018, which measures student satisfaction, research quality, research intensity, entry standards, student to staff ratio, spending on academic services, spending on student facilities, good honours degrees achieved, graduate prospects and completion.

## Website

<http://www.lboro.ac.uk/international/applicants/study-options/study-abroad/>

## Participating departments

- Chemical Engineering
- Architecture, Building and Civil Engineering Materials
- Mechanical, Electrical and Manufacturing Engineering
- Aeronautical and Automotive Engineering

Note: The School of Business and Economics is NOT a participating School.

Further information about the participating Schools/Departments can be found at <http://www.lboro.ac.uk/departments/>.

### Programme Director

Gilbert Shama  
T: +44 1509 222514  
E: [unitech@lboro.ac.uk](mailto:unitech@lboro.ac.uk)

### Local Coordinator

Julie Hibbert  
Lindsay Hendricks  
T: 44 1509 222237  
44 1509 222241  
E: [unitech@lboro.ac.uk](mailto:unitech@lboro.ac.uk)

### UAA Local Chapter Coordinators

Matthew Davies  
E: [uaa.lcc.unitedkingdom@unitech-international.org](mailto:uaa.lcc.unitedkingdom@unitech-international.org).

### Are you currently studying at Loughborough University and would like to apply? Please note the following:

<b>Requirements</b>	Students will be enrolled in the penultimate or final year of MEng programmes. You will need to talk to your UNITECH Programme director and/or local coordinator for eligibility in relation to your programme. Students from all Engineering Schools are welcome to apply.
<b>Information event</b>	UNITECH events will be run in each school please look out for e-mails and publicity or get in touch with the Loughborough contacts on this page.
<b>Application deadline</b>	February 8, 2019
<b>Assessment Centre</b>	February 26, 2019

### Would you like to do your academic exchange at Loughborough University? Please note the following:

<b>Course catalogue</b>	Information about the current courses (2018/2019) can be obtained at the Catalogue of Modules website: <a href="http://lucas.lboro.ac.uk/epublic/wp5015.main">http://lucas.lboro.ac.uk/epublic/wp5015.main</a> by clicking on the relevant participating department. Please use this information when creating your preliminary study plan in the UNITECH questionnaire.
<b>Teaching language</b>	English
<b>Academic year</b>	<a href="http://www.lboro.ac.uk/students/welcome/your-first-days/term-dates">http://www.lboro.ac.uk/students/welcome/your-first-days/term-dates</a> <a href="http://www.lboro.ac.uk/students/handbook/exams">http://www.lboro.ac.uk/students/handbook/exams</a>



## Politecnico di Milano

The Politecnico di Milano is one of the most outstanding technical Universities in Europe. Founded in 1863, in many disciplines, it is regarded as a leading research institution worldwide. Nowadays, it covers the 17th position in the QS ranking for Engineering and Technical universities worldwide, fulfilling and surpassing the founders' expectations. With over 44.000 students enrolled in the a.y. 2017/2018 (among which more than 7.000 are foreign students), Politecnico di Milano has three main campuses located in Milan (Milano Leonardo and Milano Bovisa), the heart of fashion and design industries and the venue of Expo 2015, and five more premises around the Lombardy region. In 1987 a territorial diffusion process of the university began, the Politecnico Network, which led to the opening of the regional campuses of Como (1987) and Lecco (1989), and regional facilities in Cremona (1991), Mantova (1994) and Piacenza (1997), with the aim of establishing a more direct relationship with the students and interacting with the community's local businesses. Many important scientists and architects studied and taught here, among them Achille Castiglioni, Gió Ponti, Renzo Piano and Aldo Rossi, both Pritzker Prize in 1990 and 1998 respectively, and Giulio Natta, Nobel Prize in Chemistry in 1963. The Politecnico di Milano offers

innovative programs at all levels within its schools of Engineering, Architecture and Design. Thanks to a strong internationalization policy, many programs are taught entirely in English, attracting an ever-increasing number of talented foreign students, which now form a diverse community from more than 100 different countries. Inter and multidisciplinary are fostered throughout the academic path, and it is the methodological approach of the Ph.D. School and the ASP (Alta Scuola Politecnica), a school for young talents from all over the world, who develop their skills in a teamwork context to pursue complex innovation projects. Students are offered also focused and personalized career services, from in-class and online meetings with companies, to workshops on soft skills and the job market, along with announcements and guidance for international careers. Teaching is increasingly related to research, a key commitment that enables to achieve results of high international standards, while creating connections with the business world. Strategic research is carried out mainly in the fields of energy, transport, planning, management, design, mathematics and natural and applied sciences, ICT, built environment, cultural heritage, with more than 130 laboratories, among which a Wind Tunnel and a Crash Test center.

## Website

<http://www.polinternational.polimi.it/>  
<http://www.polinternational.polimi.it/exchange/unitech/>

## Participating departments

- All BSc and MSc engineering programs offered by the Schools of Engineering

### Programme Director

Alessandro Brun  
 T: +39 02 2399 2799  
 E: [alessandro.brun@polimi.it](mailto:alessandro.brun@polimi.it)

### Local Coordinator

Francesca Fogal  
 T: +39 02 2399 9763  
 E: [Francesca.Fogal@polimi.it](mailto:Francesca.Fogal@polimi.it)

### UAA Local Chapter Coordinator

Marco Casiraghi  
 E: [uaa.lcc.italy@unitech-international.org](mailto:uaa.lcc.italy@unitech-international.org)

## Are you currently studying at Politecnico di Milano and would like to apply? Please note the following:

<b>Requirements</b>	Only Engineering student enrolled in their 3 <sup>rd</sup> year of the Laurea or in their Laurea Magistrale can apply. A balanced non-academic curriculum in addition to academic excellence and a good knowledge of English.
<b>Information event</b>	November 15, 2018 at 17.15 Aula BL.27.02, Bovisa Campus November 22 2018 at 17.15 Aula De Donato, Leonardo Campus
<b>Application deadline</b>	23 January 2019
<b>Assessment Centre</b>	15 February 2019

## Would you like to do your academic exchange at Politecnico di Milano? Please note the following:

<b>Requirements</b>	Suggested basic knowledge of the Italian language in case the student is interested in classes taught in Italian.
<b>Teaching language</b>	Italian at the BSc programs Italian and English at the MSc programs (36 programs out of 40 at Master level are in English)
<b>Course catalogue</b>	<a href="https://www.polimi.it/en/programmes/">https://www.polimi.it/en/programmes/</a>
<b>Academic year</b>	First Semester: Mid-September 2019 to Mid December 2019 Second Semester: Last week of February 2020 to the first week of June 2020
<b>Examination periods</b>	First examination period: Mid-January to Mid-February 2020 Second examination period: Mid-June 2020 to last week of July 2020 Additional examination period: Last week of August to Mid-September 2020

### RWTH Aachen

RWTH Aachen was founded in 1870 and has a lengthy history of developments in education and research. Today, with 260 institutes in nine faculties, RWTH Aachen is one of Europe's leading institutions for science and research. RWTH Aachen University employs over 540 professors and 9,500 staff in research, teaching and administration. Currently around 45,000 students are enrolled in over 140 academic programs with 45 percent pursuing degree work in the engineering sciences. About 16 percent are international students coming from 130 different countries.

The scientific education that students receive at RWTH Aachen is firmly rooted in real-world application. As a result, graduates are highly sought-after by businesses as trainees for executive positions. RWTH Aachen has achieved outstanding results within the Excellence Initiative established by the German federal and state governments in 2007: it was the consecutive winner twice since its initiation as one out of Germany's top ten academic institutions. In addition, on an international level, RWTH Aachen University enjoys a very good reputation.

### Website

<http://www.rwth-aachen.de/>

### Participating departments

- All Engineering fields
- Computer Science
- Physics

### Programme Director

Thomas Gries  
T: +49 241 80 23400  
E: [thomas.gries@ita.rwth-aachen.de](mailto:thomas.gries@ita.rwth-aachen.de)

### Local Coordinator

Benjamin Pietsch  
T: +49 241 80 90686  
E: [unitech@rwth-aachen.de](mailto:unitech@rwth-aachen.de)

### UAA Local Chapter Coordinators

Saskia Adam  
Charlotte Bäumlér  
Friedrich von Bülow  
Tobias Fischer  
Marvin Garbade  
E: [uaa.lcc.germany@unitech-international.org](mailto:uaa.lcc.germany@unitech-international.org)

### Are you currently studying at RWTH Aachen and interested in making application to the programme? Please note the following:

<b>Requirements</b>	Students at the end of their bachelor / beginning of their master can be admitted. (A master degree from the home university is required in order to pursue UNITECH graduation.)
<b>Information event</b>	11 November 2018 (13:00 – 14:30, Humboldt-Haus)
<b>Application deadline</b>	10 December 2018
<b>Assessment Centre</b>	05 February 2019

### Would you like to do your academic exchange at RWTH Aachen? Please note the following:

<b>Time frame, courses etc.</b>	<a href="http://www.rwth-aachen.de/unitechincomings">http://www.rwth-aachen.de/unitechincomings</a>
<b>Teaching language</b>	The primary language of instruction is German. Some masters-level coursework is also offered in English.
<b>Language requirements</b>	German (& English) Language Proficiency: CEFR (Common European Framework of Reference): B1 level or similar.

## Trinity College Dublin

Founded in 1592, Trinity College Dublin is the oldest university in Ireland and one of the older universities of Western Europe. On today's campus, state-of-the-art libraries, laboratories and IT facilities, stand alongside historic buildings on a city-centre 47-acre campus. Interdisciplinarity forms a key element in the College strategy in increasing Trinity's international standing as a research-led university. TCD has developed significant international strength in its research in eight major themes which include globalization; cancer; genetics; neuroscience; immunology and infection; communications and intelligent systems; nano and materials science as well as Irish culture and the creative arts.

Its current flagship interdisciplinary research institutes are in areas such as molecular medicine, neuroscience and international integration studies and nanostructures and Nano devices. The university is home to an innovative public venue, the Science Gallery, which

brings together people from all walks of life to explore the influence of science, engineering and technology in the modern world. Priority themes within Engineering include, energy, bioengineering, telecommunications, construction, the environment and digital media. The accessibility of a Trinity education to all students of ability is also very important. Trinity College was the first university in Ireland to reserve 15 percent of first year undergraduate places for students from non-traditional learning groups – students with a disability, socio-economically disadvantaged students as well as mature students. The College has met its target in this respect. There is also an exciting international mix of its student body where 16 percent of students are from outside Ireland and 40 percent of these students are from outside the European Union. TCD students also have an opportunity to study abroad in other leading European universities through Trinity's partnership agreements.

## Website

<http://www.tcd.ie/>

## Participating Departments

- Department of Civil, Structural and Environmental Engineering
- Department of Mechanical and Manufacturing Engineering (including the Engineering with Management course)
- Department of Electronic and Electrical Engineering
- School of Business (No outgoing students from this School but it does make a limited number of modules available to incoming international students)

### Programme Director

Brian Broderick  
T: +353 1 896 2348  
E: [bbrodrck@tcd.ie](mailto:bbrodrck@tcd.ie)

### Local Coordinator

Brian Broderick  
T: +353 1 896 2348  
E: [bbrodrck@tcd.ie](mailto:bbrodrck@tcd.ie)

### UAA Local Chapter Coordinators

Shona Levins  
Marc-Sebastian Camacho  
Siddharth Gupta  
E: [uaa.lcc.ireland@unitech-international.org](mailto:uaa.lcc.ireland@unitech-international.org)

### Are you currently studying at Trinity College Dublin and would like to apply? Please note the following:

<b>Requirements</b>	Normally, students must obtain at least a II.1 in their SF and JS Annual results in order to be given permission to partake in the programme.
<b>Information event</b>	1 November 2018 at 1 pm in M17, Museum Building
<b>Application deadline</b>	19 December 2018
<b>Assessment Centre</b>	Friday, 18 January 2019

### Would you like to do your academic exchange at Trinity College Dublin? Please note the following:

<b>Requirements</b>	UNITECH students are required to have sufficient levels of competency in the English language.
<b>Teaching language</b>	English
<b>Course catalogue</b>	Department of Civil, Structural and Environmental Engineering Department of Mechanical and Manufacturing Engineering Department of Electronic and Electrical Engineering Module options for the three above Departments can be viewed here: <a href="https://www.tcd.ie/Engineering/international/incoming/visiting_students.php">https://www.tcd.ie/Engineering/international/incoming/visiting_students.php</a> For the School of Business, please see <a href="https://www.tcd.ie/business/undergraduate/study-abroad/modules.php">https://www.tcd.ie/business/undergraduate/study-abroad/modules.php</a> Students should note that in order for UNITECH students to take Sophister (Year 4) modules they would need to have prior learning of business studies. Please note: Students may choose only from the modules listed at the above link. <b>MSc business modules are NOT available to visiting students.</b>
<b>Academic year</b>	Our current academic year structure for 2017/18 can be found here: <a href="http://www.tcd.ie/Engineering/undergraduate/pdf/AcademicYearStructure.pdf">http://www.tcd.ie/Engineering/undergraduate/pdf/AcademicYearStructure.pdf</a> The calendar for 2018/19 will be available in the summer of 2018. For 2018, semester 1 orientation begins on 3 <sup>rd</sup> September and classes begin on the 10 <sup>th</sup> September. There are 2 x 12 week semesters, each including a study week in week 7.
<b>Examination periods</b>	Examinations take place in blocks at the end of each semester. (Start and end dates can be found on the 2018/2019 calendar once it is published).

## TU Delft

Delft University of Technology is a modern university of science and technology. Its eight faculties are at the forefront of technological developments contributing to scientific advancement in the interests of world society. The university's excellent research and education standards are backed by outstanding facilities and research institutes. The university maintains close links with (inter)national industry, a

strategic alliance that guarantees the relevance of its many academic programmes and ensures rich career prospects for its graduates. All programmes encourage creative and independent thinking with a focus on problem solving. The student body represents over ninety nationalities. TU Delft is active with open and online education, we have over 600,000 registrations.

### University research is concentrated in thirteen research centres

- Computational science and engineering
- Earth: observation, utilization, ecology and engineering Information and communication technology
- Life science and technology Materials science
- Mechatronics and microsystems
- Mobility of persons and transport of goods
- Nanotechnology
- Next Generation Infrastructures
- Sustainable energy: extraction, conversion and use Sustainable industrial processes
- Sustainable urban areas
- Water: environment, cycles, infrastructure and management

### Facts & figures TU Delft

- Eight faculties: Aerospace Engineering; Applied Sciences; Architecture; Civil Engineering and Geosciences; Electrical Engineering, Mathematics and Computer Science; Industrial Design Engineering; Mechanical, Maritime and Materials Engineering Technology, Policy and Management.
- Over 21.000 students
- Over 3500 international students (including exchange students)
- 16 Bachelor's programmes
- Nearly 30 Master programmes, all in UK language
- About 4,500 employees
- 19<sup>th</sup> in Time Higher Education – Eng and Tech ranking
- Over 5,000 scientific publications each year
- 12 Dream Teams

### Website

[www.tudelft.nl](http://www.tudelft.nl)

### Participating departments

Aerospace Engineering	Civil Engineering and Geosciences	Industrial Design Engineering	Technology Policy and Management
Applied Sciences	Electrical Engineering,	Mechanical Maritime and	
Architecture	Mathematics and Computer Science	Materials Engineering (3mE)	

### Programme Director

Peter Wieringa

T: +31 15 27 85763

E: [p.a.wieringa@tudelft.nl](mailto:p.a.wieringa@tudelft.nl)

### Local Coordinators

Education Service Centre

T: +31 15 27 88012

E: [unitech@tudelft.nl](mailto:unitech@tudelft.nl)

### UAA Local Chapter Coordinators

E: [uaa.lcc.netherlands@unitech-international.org](mailto:uaa.lcc.netherlands@unitech-international.org)

### Are you currently studying at TU Delft and would like to apply? Please note the following:

<b>Requirements</b>	Honours track students and students with proven extraordinary skills are invited to apply.
<b>Information event</b>	To be determined
<b>Application deadline</b>	21 January 2019
<b>Assessment Centre</b>	13 February 2019

### Would you like to do your academic exchange at TU Delft? Please note the following:

- Application form for UNITECH exchange students, which includes your study plan. All faculties have a faculty coordinator for international exchange who can help you to make your study plan. A list of the faculty coordinators can be downloaded via <https://www.tudelft.nl/en/education/admission-and-application/exchange-students/faculty-exchange-coordinators/>
- A copy of the page(s) in your passport with your name, date and place of birth, expiry date and if relevant, extensions of renewals.

**Course catalogue** [www.studyguide.tudelft.nl](http://www.studyguide.tudelft.nl)

**Teaching language** The language of instruction in the Bachelor's programmes is Dutch with the exception of the Aerospace Bachelor's and the Applied Earth Sciences Bachelor's which are fully taught in English. The Computer Science Bachelor's, Electrical Engineering Bachelor's and Nanobiology Bachelor's are partially in English. At present in the other TU bachelor programmes over 250 of available courses are taught in English, and this number will continue to increase during the period 2015 – 2020. All Master courses are given in English.

**Academic year** Please be aware that the academic year in the Netherlands starts much earlier than in most other countries.

Relevant information can be found on the incoming students web page:

<https://www.tudelft.nl/en/education/admission-and-application/exchange-students/1-requirements-documents/>  
<https://d1rkab7tlqy5f1.cloudfront.net/TUdelft/Onderwijs/Opleidingen/Exchange/2%20Information%20Incoming%20Exchange%20Students-%20Semester%20%20FINAL.pdf>

Moreover, we strongly suggest UNITECH students to attend the TU Delft Introduction Programme, starting 3rd week of August During this programme full of fun, social and academic activities, you get to meet with faculty and fellow students, and take part in activities (obligatory and voluntary) designated to familiarize you with the education system as well as life in Delft and the Netherlands.

**Examination periods** See the academic calendar 2018 – 2019 at

<https://www.tudelft.nl/en/student/education/academic-calendar/>

For later dates contact the university directly.

## UPC Barcelona

UPC is a public university which was founded in 1971 as a combination of already existing engineering and architecture schools. Since then, it has integrated other schools, faculties and colleges (most of them within the engineering area) of Barcelona city and other neighbouring cities. UPC-BarcelonaTech has now around 30'000 students. The Technical University of Catalonia has an important presence in the county of Barcelona with its Schools and own facilities in the surrounding county of Barcelona, Terrassa, Castelldefels, Manresa, Sant Cugat del Vallès, and Vilanova i la Geltrú.

The range of courses at UPC grows and diversifies year by year, to adapt to society's demand. At present, 70 Bachelor Degrees can be studied at UPC in its 20 schools/faculties, and also 73 Official Masters (28 of them taught entirely in English) and 48 doctoral degrees can be obtained. The research carried out at UPC leads the field in many areas and is closely linked to the interests of society, and especially to the production sector. The driving force behind the research consists of 30 departments and some university institutes with a growing number of specific research centres and broadly based centres in collaboration with other institutions.

## Website

<http://www.upc.edu/eng/>

## Participating departments

UPC is a decentralised university and all academic details about student exchanges are managed by each school/faculty.

**The UPC schools/faculties participating in the UNITECH Programme are: EETAC, EEBE, ESAB, EPSEB, EPSEM, ESEIAAT, ETSEIB, ETSETB, ETSECCPB and FIB.**

Please find general information about the courses in:

[www.upc.edu/learning/courses/](http://www.upc.edu/learning/courses/)

And contact details at: [www.upc.edu/sri/en/international-relations-directors/international-relations-directors](http://www.upc.edu/sri/en/international-relations-directors/international-relations-directors)

**More specific information is available from the website of the UPC International Relations Bureau:**

[www.upc.edu/sri/en/students/students-mobility-office/unitech](http://www.upc.edu/sri/en/students/students-mobility-office/unitech)

## Programme Director

Rosa Estela

T: +34 93 401 69 12

E: [m.rosa.estela@upc.edu](mailto:m.rosa.estela@upc.edu)

## Local Coordinator

Bérénice Martin

T: +34 93 401 58 04 or

+34 93 401 69 37

E: [berenice.martin@upc.edu](mailto:berenice.martin@upc.edu)

## UAA Local Chapter Coordinators

Mireia Hernández

E: [uaa.lcc.spain@unitech-international.org](mailto:uaa.lcc.spain@unitech-international.org)

## Are you currently studying at UPC Barcelona and would like to apply? Please note the following:

<b>Requirements</b>	Undergraduate candidates should be in their last year of studies. MSc students can also apply, after confirmation from the responsible of the MSc programme. Please check with the Vice-director of International Relations of your home UPC school/faculty which are the academic requirements from your school to apply (how many credits already approved, etc.). See contact details in the section "Participating departments". There is no minimum average mark as a requirement. Your transcript of records has to show, in general, that you are a correct/good and motivated student. An English certificate confirming your English knowledge is compulsory for the application.
<b>Information event</b>	Dates and places will be published in early November 2018, in the website of the UPC International Relations Bureau: <a href="http://www.upc.edu/sri">www.upc.edu/sri</a> under "notices".
<b>Application deadline</b>	10 <sup>th</sup> January 2019
<b>Assessment centre</b>	19 <sup>th</sup> February 2019

## Would you like to do your academic exchange at UPC Barcelona? Please note the following:

<b>Requirements</b>	Although exchange students could follow some subjects taught in English, depending on their host UPC school/faculty, an intermediate level of Spanish could be requested (a certification of Spanish could be required for admission by the host UPC school/faculty).
<b>Teaching language</b>	Catalan, Spanish or English. Most of the lectures at Bachelor level are in Spanish and/or Catalan. At Masters' level there is a wide offer of subjects in English.
<b>Course catalogue</b>	Please consult the website of each school/faculty to see the courses offered. Check the information through the website of the UPC International Relations Bureau: <a href="http://www.upc.edu/sri/en/students/students-mobility-office/unitech">www.upc.edu/sri/en/students/students-mobility-office/unitech</a>
<b>Academic year (preliminary)</b>	Autumn registration: 1 – 10 September 2019 Autumn semester: 10 <sup>th</sup> September – 23 <sup>rd</sup> December 2019      Final exams: January 2020 (from 07/01/2020 on) Spring registration: First week of February 2020* Spring semester: 10 <sup>th</sup> February to June 2020*      Final exams: June – July 2020 (*: except in civil engineering, where it is in mid-January)
<b>Examination periods</b>	Autumn semester: January 2020 Spring semester: June and beginning of July 2020

## Application

Each university sets its own application period end date according to local needs. Please refer to the information about the application deadline of your home university.

You will be asked to fill in the **UNITECH online Application Form**.

You will be asked to:

- Respond to essay questions
- Propose study plans for each of your three target universities (3 separate study plans) and consider the guidelines of each university (which departments are for UNITECH students minimum number of courses from each department).
- Include a Curriculum Vitae (PDF), passport size photo (JPG) and Transcript of Records (PDF) as attachments

In addition to this, you may upload any documents required by your target universities (please see respective university information) such as language certificates and/or recommendation letters. Please make sure the attachments do not exceed the maximum file size as specified in the application form. The application deadline for your home university will be found in the section entitled University Information.

For more information please visit:

[www.unitech-international.org/the-programme/application](http://www.unitech-international.org/the-programme/application)

Please make sure the attachments do not exceed the maximum file size as specified in the application form.

## The UNITECH Assessment Center

Following the application deadline, students who qualify will be selected to attend an assessment center held locally at each university. Corporate Partners take part in the process of selecting the right candidates, and the right mix of candidates, to form each year's cohort of UNITECH students. A confirmation of acceptance into the UNITECH Programme will be given at the end of the assessment center day. A careful matching of the allocation of the students to target universities then takes place in order to achieve the optimal balance of individual preferences and group dynamics. These allocations will be confirmed by the UNITECH office week 15 or 16 in 2019.

## Our Partners

→ **Link to Academic Partners:**  
<https://www.unitech-international.org/the-network/academic-partners>

→ **Link to Corporate Partners:**  
<https://www.unitech-international.org/the-network/corporate-partners>

