Developing tomorrow’s technology leaders in an ecosystem full of possibilities

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The Structure

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- Current engineering studies
- Application / Assessment Center

Start-Up Week

Host University
- Exchange with an Academic Partner in the Autumn or Spring semester / continue engineering studies / if needed add non-technical credits to your studies

Mid-Term Week

Corporate Partner
- Internship / work in a second language

End-of-Year module

Home University
- Complete engineering degree

Graduation
- Explore employment opportunities with Corporate Partners

UAA Alumni Association
- Continue developing the networks of professional possibilities

3 coached modules

Universities that are part of the UNITECH Network
- Chalmers University of Technology, Gothenburg, Sweden
- ETH Zurich, Zurich, Switzerland
- INSA Lyon, Villeurbanne, France
- Loughborough University, Loughborough, United Kingdom
- Universitat Politècnica de Catalunya, Barcelona, Spain
- Politecnico di Milano, Milan, Italy
- RWTH Aachen University, Aachen, Germany
- Trinity College Dublin, Dublin, Ireland
**UNITECH Programme**

**Why to apply?**

You UNITECH Students become highly qualified internationally experienced engineering graduates with access to international internships and employment positions.

As an UNITECH Alumni/a you will have earned:
- an engineering degree
- at least one year of international experience and exposure (exchange and internship)
- the capabilities in handling diverse people, tasks, and professional situations highly developed skills and sensitivities gained during the one-year UNITECH Programme
- connections with the UNITECH Corporate Partners at two levels:
  - professional (at the engineering level)
  - personal (which usually go further than that of a classic HR-driven contact)
- professional and personal connections to like-minded people from the UNITECH Academic Partners and among the Alumni Association (UAA)

All these connections are intended to bring mutual benefit in areas of innovation, opportunities and knowledge sharing. Everything together will take you far along your career path.

**Joint Modules**

During the UNITECH year you will attend three unique and specially designed UNITECH modules:

The **Start-Up Week** is intense as you come together for the first time of self-discovery and business-skill building through exercises and discussion. You will enjoy the close contact with the network, who bring value through formal events, such as presentations on key themes, and informal opportunities for in-depth discussion on cutting-edge topics. These interactions are the start of your personal connections.

The **Mid-Term Week** focuses on case assignments provided by our Corporate Partners. Real business issues are given to 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-connect as a group during the **End-of Year module**. As you prepare to complete your studies and transition into the profes-
Eligibility for the UNITECH Programme

The UNITECH Programme is only available to full-time degree-seeking students of the UNITECH Academic Partners. The prerequisites you may find under your home university section.

Please note: Students from non-partner universities cannot participate in the UNITECH Programme.

English

English is the language of the UNITECH Program and therefore all UNITECH students are required to have a proficient knowledge of English (spoken and written).

Application

Each university sets its own application deadline. Please refer to your home university section regarding the application deadline.

You will be asked to fill in the UNITECH online application with:

- Essay questions in English
- Study plans for each of your three target universities (3 separate study plans).
- CV in English (PDF)
- Passport size photo (JPG)
- Transcript of records in English (PDF)

For more information and to start your application visit: https://unitech.app/application.

Selection and Assessment Center

Following the application deadline, students will be selected by their home university, there are formal and informal interactions with the UNITECH network woven into the final module. You will have the opportunity to lead workshops on areas of your interest that you would want to share with your UNITECH colleagues and receive coaching along the way.

Each module is run and supported by an experienced coaching team drawn from our network.

Allocation to host university

A careful matching of the students to target universities takes place in order to achieve the optimal balance of individual preferences and group dynamics. The result of the allocations will be communicated by the Local Office Coordinators by the beginning of April.

Financial support by UNITECH

Students accepted into the UNITECH Program will receive a grant to cover (travel) costs related to the Joint Modules. The student funding for the UNITECH year 2022/2023 will be 1’000€.

Our Partners

Academic Partners:
https://www.unitech-international.org/the-network/academic-partners

Corporate Partners:
https://www.unitech-international.org/the-network/corporate-partners

Exchange

You will spend one or two semesters at one of the UNITECH Academic Partner universities, living and studying in a foreign country, where you will extend your studies in engineering and be able to take additional non-technical courses. The Local Coordinator at your home and host university supports you in the administrative procedures.

Please note: The requirement of gaining a min. of 20 ECTS from the exchange has to be fulfilled by passing conventional taught courses/modules. Projects, thesis and language courses will not count towards the 20 ECTS. You may find that small research projects are offered by some host universities in their course catalogue, where
they are listed as courses, and whose grades and credits will be published on your transcript so that this activity can be transferred back to your home university degree; those projects can be counted towards the 20 ECTS requirements. Projects, thesis and language courses can be considered for credits beyond the first 20 ECTS and only if these credits are published on official documents (transcript, professors’ letters, certificate of attendance etc.).

**Internship**
During the internship in a foreign country with one of our UNITECH Corporate Partner companies, is where you get insights into a specific company in which you may have an employment interest and extend your abilities to perform internationally. Your qualities as an UNITECH student are seen as a valuable short-term addition to a Corporate Partner’s talent resources.

**Financial support during the internship**
During the internship, UNITECH students will be compensated according to the practices of the Corporate Partner which should cover at least the living costs.

**UNITECH Alumni Association**
After graduating with a Master’s degree from university and having become an UNITECH fellow, you are 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 Office 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.unitechalumni.org](https://www.unitechalumni.org). On the local level, the UAA organizes various events in Local Chapters. Meet the Local Chapters at [https://www.unitechalumni.org/contact](https://www.unitechalumni.org/contact). They can answer a wide range of questions concerning the programme.
### Requirements for Chalmers students

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.

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<td>More information here</td>
<td>2 Dec. 2022</td>
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</tbody>
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### Requirements for incoming students

BSc of Engineering degree or equivalent at home university must be completed. Thesis work can’t be done at Chalmers.

#### Teaching Language

English at all MSc programmes.

#### Non-Technical Courses

UNITECH students are recommended to select non-technical courses from the following MSc programmes:

- Management and Economics of Innovation
- Quality and Operations Management
- Supply Chain Management

#### Course Catalogue

You find Chalmers course catalogue here: [https://student.portal.chalmers.se/en/chalmersstudies/courseinformation/Pages/SearchCourse.aspx](https://student.portal.chalmers.se/en/chalmersstudies/courseinformation/Pages/SearchCourse.aspx)

You can apply for courses that are open for exchange students. Make sure to select the right study period (sp): fall semester (sp 1 and 2) or spring semester (sp 3 and 4). Note: We cannot guarantee your admittance to all courses you have applied for. Changes can be done until the month before the start of semester. You should select courses from different block schedules to avoid overlap in the schedule.

### Website

- [http://www.chalmers.se/en](http://www.chalmers.se/en)
- [http://www.chalmers.se/en/education/student-mobility/unitech-international/Pages/default.aspx](http://www.chalmers.se/en/education/student-mobility/unitech-international/Pages/default.aspx)

### Academic year and examination period

[https://student.portal.chalmers.se/en/chalmersstudies/Pages/TheAcademicYear.aspx](https://student.portal.chalmers.se/en/chalmersstudies/Pages/TheAcademicYear.aspx)

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Chalmers University of Technology, founded in 1829, is a private institution owned by a foundation located in Gothenburg. 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, and all education is linked to excellent research. Chalmers offers a safe and open-minded study environment with attractive, spacious study areas and computer labs which are accessible at all times. Chalmers has the ambition to use modern pedagogical techniques such as problem-based learning and project based teamwork under realistic conditions.

### 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
- Micro technology and Nanoscience
- Physics
- Space, Earth and Environment
- Technology Management and Economics

### Programme Director

Lena Peterson
+46 31 772 18 22
lenap@chalmers.se

### Local Coordinator

Jens Hansson
jens.hansson@chalmers.se

### UAA Local Chapter Coordinators

Alice Granehed, Cody Hesse, Joar Helliqvist, Johanna Lundin, Fahim Hadi
uaa.lcc.sweden@unitech-international.org
UNITECH is designed for advanced students of the above mentioned study programmes/departments with average grades of at least 4.5. The best time to apply for UNITECH is 5th – 6th semester, so that students are participating in the UNITECH programme during their 7th & 8th, or 8th & 9th semester. Students must contact their Departmental Exchange Coordinator before submitting the online applications at ETH Zurich and the UNITECH Office. The application for the following academic year will be available by the end of October at:
1. ETH application: www.ethz.ch/unitech-out.
2. UNITECH Office application: https://unitech.app/application.

Information Event
14 Nov. 2022

Application deadline
5 Jan. 2023, 1 pm

Assessment Centre
23 Feb. 2022

FAQ for ETH students (outgoing students)
https://ethz.ch/students/en/studies/study-abroad/exchange/faqs.html

FAQ for students of Academic Partners (incoming students):

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 offer courses in English on advanced BSc level. The language of instruction for each individual course can be found in the course catalogue.

Study Plan
Please make sure to carefully read our study planning information and to list at least 2/3 of your ECTS from one department. You will apply to this particular department at ETH Zurich and if they accept 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 the workload might be heavy.
Requirements for INSA Lyon students

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.

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Requirements for incoming students

Excellent academic level is compulsory to apply to INSA Lyon.

Language

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.

Teaching Language

French and English depending on the lectures.

Academic Year

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-).

Examination Periods

January and June.

INSA Lyon is one of France’s largest engineering graduate schools and among the top 10 universities of Science and Technology in Europe. 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. It graduates over 800 engineers each year in 9 fields of specialization.

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.

Participating Departments

All INSA Lyon departments.

Programme Director

Damien Fabregue
+33 4 72 43 81 79
dri@insa-lyon.fr

Local Coordinator

Thalia Darnanville
+33 4 72 43 62 77
unitech@insa-lyon.fr

UAA Local Chapter Coordinators

Isabelle Saidou
uaa.lcc.france@unitech-international.org

Industrial Engineering (GI)
Material Sciences (SGM)
Mechanical Engineering (GM)
Telecommunication (TC)

Biosciences (BS)
Civil Engineering (GCU)
Computer Sciences (IF)
Electrical Engineering (GE)
Energy and Environment Engineering (GEN)

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Requirements for Loughborough students

Students must be enrolled on one of the applicable MEng programme pathways. 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.

Information Event: 22 Nov. 2022
Application deadline: 6 Jan. 2023
Assessment Centre: 7 Feb. 2023

Requirements for incoming students

Teaching Language
English.

Course Catalogue
First, please read the guidance notes on coming to Loughborough University to complete your study exchange within the UNITECH programme: https://www.lboro.ac.uk/study/overseas-exchange/unitech/incoming.

Information about the current courses (2022/23) can be found by looking at the module choice catalogue for incoming exchange students: https://www.lboro.ac.uk/media/wwwlboroacuk/content/exchanges/Module%20Catalogue%202022-23%20FINAL%20v1.pdf.

You can then view module descriptions through the main Catalogue of Modules website: https://lucas.lboro.ac.uk/e_pub_dad/wp5015.main by clicking on the relevant participating department.

Academic Year
For the term dates please follow the link: https://www.lboro.ac.uk/students/welcome/when-you-get-here/term-dates/.

Participating Departments
Department of Aeronautical and Automotive Engineering
Department of Chemical Engineering
Department of Materials Engineering
Civil Engineering* within the School of Architecture, Building and Civil Engineering
School of Mechanical, Electrical and Manufacturing Engineering

*Note for INCOMING exchange students: The majority of modules on our Integrated Masters Civil Engineering programme are now taught as year-long modules and so unless you are already a postgraduate student you would only have the option of completing a year-long study exchange in that subject area. There is a possibility of taking postgraduate modules, which remain semester-long but this option is considered carefully by the University on a case-by-case basis.

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

Programme Director
Andrew Watson
+44 (0)1509 227202
a.watson@lboro.ac.uk

Local Coordinator
Lindsay Hendricks
+44 1509 222241
unitech@lboro.ac.uk

UAA Local Chapter Coordinators
Macleove Ohemeng
uaa.lcc.unitedkingdom@unitech-international.org

Website
https://www.lboro.ac.uk/
The Politecnico di Milano is one of the best scientific-technological universities in the world according to the prestigious QS World University Rankings, which classified it 1st in Italy and 142nd worldwide. Moreover, it is ranked among the top 20 universities (the QS World University Rankings) in all the three areas of specialization: 20th in Engineering & Technology, 10th in Architecture and 5th in Design. Founded in 1863 it is the oldest of Milan’s universities and Italy’s largest school of Architecture, Design and Engineering. It offers innovative study programmes and takes part in a great many research and training projects, working jointly with the best European and international universities. Today its avant-garde structures are available to 47,000 students including more than 250 educational and research laboratories. Thanks to a marked internationalisation policy, the majority of Master of Science and doctoral programmes take place wholly in English. This attracts a growing number of high-achieving international students coming from more than 100 different countries. The university’s research strategy relates principally to the energy, transport, planning, management, design, mathematics, natural and applied sciences, ICT, built environment, and cultural heritage sectors.

**Participating Departments**
All BSc and MSc engineering programs offered by the Schools of Engineering.

**Programme Director**
Alessandro Brun  
+39 02 2399 2799  
alessandro.brun@polimi.it

**Local Coordinator**
Francesca Fogal  
+39 02 2399 9763  
francesca.fogal@polimi.it

**UAA Local Chapter Coordinator**
Alberto Francese  
uaa.lcc.italy@unitech-international.org

**Requirements for Polimi students**
Only Engineering student enrolled in their 3rd 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.

**Information Event**
22 Nov. 2022, 5pm

**Application deadline**
12 Jan. 2023

**Assessment Centre**
15 Feb. 2023

**Requirements for incoming students**
Suggested basic knowledge of the Italian language in case the student is interested in classes taught in Italian.

**Teaching Language**
Italian at the BSc programmes.
Italian and English at the MSc programs (the majority of programmes at the Master level are in English).

**Course Catalogue**
Bachelor Courses

Master Courses

**Academic Year**
Autumn Semester: Mid-September 2023 to Mid December 2023.
Spring Semester: Last week of February 2024 to the first week of June 2024.

**Examination Period**
First examination period: mid-January to mid-February 2024.
Second examination period: mid-June 2024 to last week of July 2024.
Additional examination period: Last week of August to mid-September 2024.

**Website**
[https://www.polimi.it/en/](https://www.polimi.it/en/)
[https://www.polimi.it/en/exchange-studentsIncoming/](https://www.polimi.it/en/exchange-students-Incoming/)
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 560 professors and 9,600 staff in research, teaching and administration. Currently around 47,000 students are enrolled in over 150 academic programs with 29 percent pursuing degree work in the engineering sciences. About 27 percent are international students coming from 138 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 2019, RWTH Aachen was selected as one of eleven universities of excellence within the framework of the German Excellence Strategy, which is the successor programme to the Excellence Initiative. Also on an international level, RWTH Aachen University enjoys a very good reputation.

**Participating Departments**

- All Engineering fields
- Computer Science
- Physics
- Biotechnology

**Programme Director**

Heinz Pitsch  
+49 (0) 241 80-94607  
h.pitsch@itv.rwth-aachen.de

**Local Coordinator**

Benjamin Pietsch  
Ulrike Geurtz  
+49 241 80 90687  
unitech@rwth-aachen.de

**Website**

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

**Further information for UNITECH students**

http://www.rwth-aachen.de/unitechcomings.

**Requirements for RWTH Aachen students**

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).

**Information Event**  
27 Oct. 2022

**Application deadline**  
30 Nov. 2022

**Assessment Centre**  
20 Feb. 2023

**Requirements for incoming students**

German (& English) Language Proficiency: CEFR (Common European Framework of Reference): B1 level or similar.

**Teaching Language**

Primary language of instruction is German. Some masters-level coursework is also offered in English.

**Course Catalogue**


**Academic Year**


**UAA Local Chapter Coordinators**

Sophia Färber, Vivienne Angeli  
uaa.lcc.germany@unitech-international.org

**Participating Departments**

- All Engineering fields
- Computer Science
- Physics
- Biotechnology

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+49 (0) 241 80-94607  
h.pitsch@itv.rwth-aachen.de

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unitech@rwth-aachen.de

**Website**

http://www.rwth-aachen.de/
Requirements for TCD students
Students must obtain at least a II.1 (60%) in their SF and JS Annual results in order to be given permission to partake in the programme.

Information Event
October 2022

Application deadline
9 Dec. 2022

Assessment Centre
20 Jan. 2023

Requirements for Incoming students
UNITECH students are required to have sufficient levels of competency in the English language (B1).

Teaching Language
English.

Course Catalogue
https://www.tcd.ie/students/orientation/visiting-exchange/module-enrolment.php
UNITECH students may take any module from the School of Engineering, comprising the following Departments: Department of Civil, Structural and Environmental Engineering Department of Mechanical, Manufacturing and Biomedical Engineering Department of Electronic and Electrical Engineering.
UNITECH students may take a limited number of modules from other Schools, including the School of Business. For UNITECH students to take Sophister (Year 4) School of Business modules they need to have prior learning of business studies. Please note: Students may choose only the Business School modules listed at the above link (up to 10 ECTS). MSc Business modules are NOT available to visiting students.

Academic Year
Our current academic year structure for 2021/22 can be found here: https://www.tcd.ie/calendar/academic-year-structure/
The calendar for 2022/23 will be available in the summer of 2022. There are 2 x 12 week semesters, each including a study week in week 7.

Examination Period
Examinations take place during assessment weeks at the end of each semester. (Start and end dates can be found on the calendar once it is published).

Website
http://www.tcd.ie/
Requirements for UPC students

Students have to be from one of the UPC schools/faculties that participate in the programme. There is no minimum mark as a requirement. Your transcript of records has to generally show your overall performance and motivation. An English certificate confirming your English knowledge is compulsory for the application. See contact details and more information about eligibility and requirements on the UPC website: www.upc.edu/sri/en/students/students-mobility-office/unitech.

Information Event Application deadline Assessment Centre
TBD 9 Jan. 2023 31 Jan. 2023

Requirements for incoming students

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).

More information:
https://www.upc.edu/sri/en/students/students-mobility-office/unitech/unitech-incomings/unitech-incomings
https://www.upc.edu/sri/en/students/students-mobility-office/incomings

Teaching Language

Most of the lectures at Bachelor level are in Spanish and/or Catalan. At a Masters’ level there is a wide variety of subjects in English.

Course Catalogue

The website of each school/faculty to see the courses offered. Check the information through the website of the UPC International Relations Bureau: www.upc.edu/sri/en/students/students-mobility-office/unitech.

Academic Year and Examination Period

For more information on academic year and examination period, please contact the Local Coordinator.

Website:
https://www.upc.edu/en?set_language=en

UPC is a public university which was founded in 1971 as a combination of already existing engineering and architecture schools. 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.

Participating Departments

UPC is a decentralised university and all academic details about student exchanges are managed by each school/faculty. To learn more about participating UPC schools/faculties please contact the Local Coordinator. Specific information for UNITECH candidates is available at the website of the UPC International Relation Bureau: www.upc.edu/sri/en/students/students-mobility-office/unitech.

Programme Director
Joaquim Minguella Canela
+34 93 405 42 85
joaquim.minguella@upc.edu

Local Coordinator
Bérénice Martin
+34 93 401 58 04 or
+34 93 401 69 37
berenice.martin@upc.edu

UAA Local Chapter Coordinators
Cisca Devereux, Ramon Gabarro, Joan Pi, Enric Vinyes and Martí Mas Pérez
uaa.lcc.spain@unitech-international.org

Website:
https://www.upc.edu/en?set_language=en