



UCT PRAGUE

# University of Chemistry and Technology, Prague



# UCT Prague in Numbers



We are the **largest university** focused on technical chemistry in Central Europe

One of the most prestigious Czech Universities

Proud of our global university rankings

International  
Students

23%

Total of  
Students

4 000

99.3%

Students find a meaningful job right after graduation

1:20

Small  
Collaborative  
Lecturer : Students  
Ratio



# Faculties at UCT Prague

Our University of Chemistry and Technology, Prague consists of 4 faculties and the School of Business.

**CHEMICAL  
TECHNOLOGY**  
FCHT

**CHEMICAL  
ENGINEERING**  
FCHI

**FOOD AND  
BIOCHEMICAL  
TECHNOLOGY**  
FPBT

**ENVIRONMENTAL  
TECHNOLOGY**  
FTOP

**SCHOOL OF  
BUSINESS**  
SoB

## Bachelor's Degree Studies | 3 Years |

Graduates are awarded the degree "Bakalář" / "Bc." (equivalent to BSc)

The study programme **Chemistry and Technology** offers 5 different specialisations. Students select their specialisation in the second year of their studies based on their chosen faculty.

The **Economics and Management** programme is offered as a 3-year or 4-year programme. The first year of the 4-year programme is intended as a foundation year offering intensive courses in Mathematics, Business, and English language.



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**FCHT**

- Chemical Technology (AB108A)
- Chemistry and Technology of Materials (AB108B)
- Chemistry (AB108C)

**FCHI**

- Engineering (AB408A)
- Chemistry (AB408B)

**SoB**

- Economics and Management (3 years) (AB902)
- Economics and Management (4 years) (AB903)

## Master's Degree Studies | 2 Years |

Graduates are awarded the degree "Inženýr" / "Ing." (equivalent to MSc)

Study programmes build upon previous BSc, with core and specialised courses.

**FCHT**

- Fuel Cells and Hydrogen Engineering (AN110)
- Chemistry and Chemical Technology (AN107A)
- Materials, Chemistry and Technology (AN107B)
- Chemistry (AN104)

**FCHI**

- Chemical Engineering and Bioengineering (AN406)

**FPBT**

- Biotechnology and Food Science (AN309)

→ **NEW PROGRAMME** Applied Life Sciences  
will start from the 2027/28 Academic Year

**SoB**

- Chemical Industry (AN901A)
- Innovation Project Management (AN901B)



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## Erasmus Mundus | 2 Years |



Master's degree studies



Scholarship programmes co-funded by the EU



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Students study at three or more universities during their master's studies and receive a diploma from all of them.

UCT Prague, in cooperation with its partners, offers the following Erasmus Mundus programmes:



- International Master of Science in Environmental Technology and Engineering (**IMETE**)
- International Master in Technology and Management for Circular Economy (**IMATEC**)



- Master in Membrane Engineering for Sustainable Development (**MESD**)



**1<sup>st</sup> semester:** UCT Prague (Czech Republic)

**2<sup>nd</sup> semester:** IHE Delft Institute for Water Education (The Netherlands)

**3<sup>rd</sup> semester:** Ghent University (Belgium)

**4<sup>th</sup> semester:** Students can choose where they spend the final semester to write their thesis

## PhD Studies | 4 Years |



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The University of Chemistry and Technology, Prague has the highest percentage of PhD students to all students of any higher education institution in the Czech Republic.

### Standard Programmes – carried out at UCT Prague only:



- Drugs and Biomaterials
- Chemistry and Chemical Technologies
- Chemistry and Technology of Materials
- Chemistry
- Bioinformatics



- Drugs and Biomaterials
- Measurement and Signal Processing in Chemistry
- Chemical and Process Engineering
- Molecular Chemical Physics and Sensorics
- Chemistry



- Biotechnology of Pharmaceuticals
- Biochemistry and Bioorganic Chemistry
- Biotechnology
- Food and Natural Products
- Food Chemistry and Technology
- Microbiology



- Energy and Fuels
- Environmental Chemistry and Technology

**Double Degree – in cooperation with accredited foreign partner universities**



# ERASMUS+

and other opportunities abroad

## Master's Double Degree Programmes

Università degli Studi dell'Insubria (Italy)

Università degli Studi di Cagliari (Italy)

University of Applied Sciences and Arts

Northwestern Switzerland (Switzerland)

Université de Lorraine (France)

Université Bourgogne Franche-Comté (France)

## Short-term Mobility

Athens (7-day intensive courses in Europe)

Conference MOBI Program

Summer/Winter School

Blended Intensive Program

## Study Exchanges

Lisbon, Paris, Glasgow, Turku, Brussels, Vienna, Hamburg, Vilnius, Instabul, Trento, Bologna, Madrid, Tallinn and more

## Traineeships

Finland, Norway, Belgium, Germany, Austria, Switzerland, France, Spain, Estonia, Italy, Netherlands, Portugal, UK and more

UCT Prague offers

**100+**

opportunities of  
exchange  
programmes  
and international  
cooperation



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# Research at UCT Prague

We are a research university primarily focused on technical chemistry, chemical and biochemical technologies, material and chemical engineering, food science, and environmental science.

Individual research groups are equipped with state-of-the-art instruments and high-tech equipment.



# Collaboration With Other Institutions

UCT Prague research groups and laboratories are in close cooperation with other universities and companies in the Czech Republic and worldwide.

UCT Prague has one of the largest portfolios of additional activities among Czech universities, including:

Among others, UCT Prague cooperates with:

- Teva Pharmaceutical Industries Ltd.
- Federal Institute for Risk
- Assessment (BfR)
- Unipetrol, a.s.
- Interpharma Praha, a.s.
- Zentiva, k.s.
- DEZA, a.s.
- Raschig GmbH
- VUAB Pharma, a.s.
- VITRUM VWR, s.r.o.
- Momentive Speciality Chemicals
- MERO ČR, a.s.
- Lovochemie, a.s.
- Contipro Group, s.r.o.
- Plzeňský prazdroj, a.s.
- Pivovary Staropramen, a.s.
- ČEZ Energetické projekty s.r.o.

UCT Prague is actively involved in a long-term collaboration with the Association of the Chemical Industry of the Czech Republic

## Experimental development

## Applied research

## Consultancy

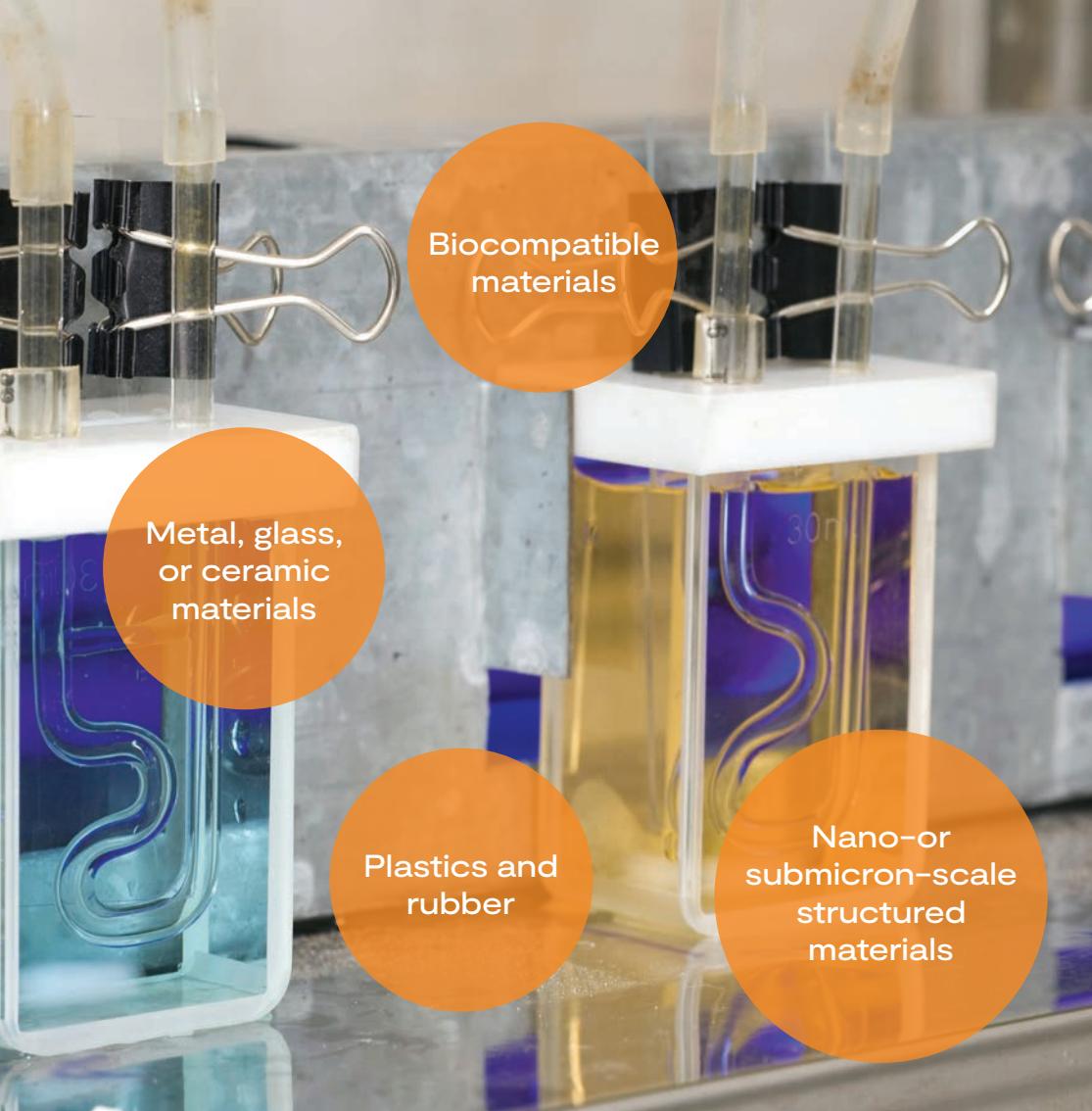
## Educational activities for industry

# Job Fair Chem-iK

Once a year, the Chem-ik job fair is held at the campus of UCT Prague. Industrial companies are invited to present their activities and job opportunities to our students.

- Representatives of industrial companies
- Lectures
- Workshops
- Expert Speakers





# Faculty of Chemical Technology

CAREERS

Nobel Prize winner Vlado Prelog, versatile chemist Emil Votoček, inventor of soft contact lenses Otto Wichterle and many other prominent FCHT graduates helped enhance the fields of study taught at the faculty.

At present, these fields embrace development of new (bio) materials with unique properties, alternative sources of energy preparation with (as yet) unknown substances and new medical drugs, and even methods for preserving national cultural heritage.

## Key educational areas

- Chemistry and chemical technology
- Chemistry and technology of materials
- Biomaterials
- Synthesis and production of pharmaceuticals

## Examples of International collaboration

Nanyang Technological University (Singapore), Universita Politecnica delle Marche (Italy), Université de Lorraine (France), The University of Applied Sciences Northwestern Switzerland (Switzerland)



# Faculty of Environmental Technology

CAREERS

The study is closely linked to scientific work and students have the opportunity to participate in grant projects that are subsequently used or implemented in industry, ministries, research or in cooperation with foreign institutions.

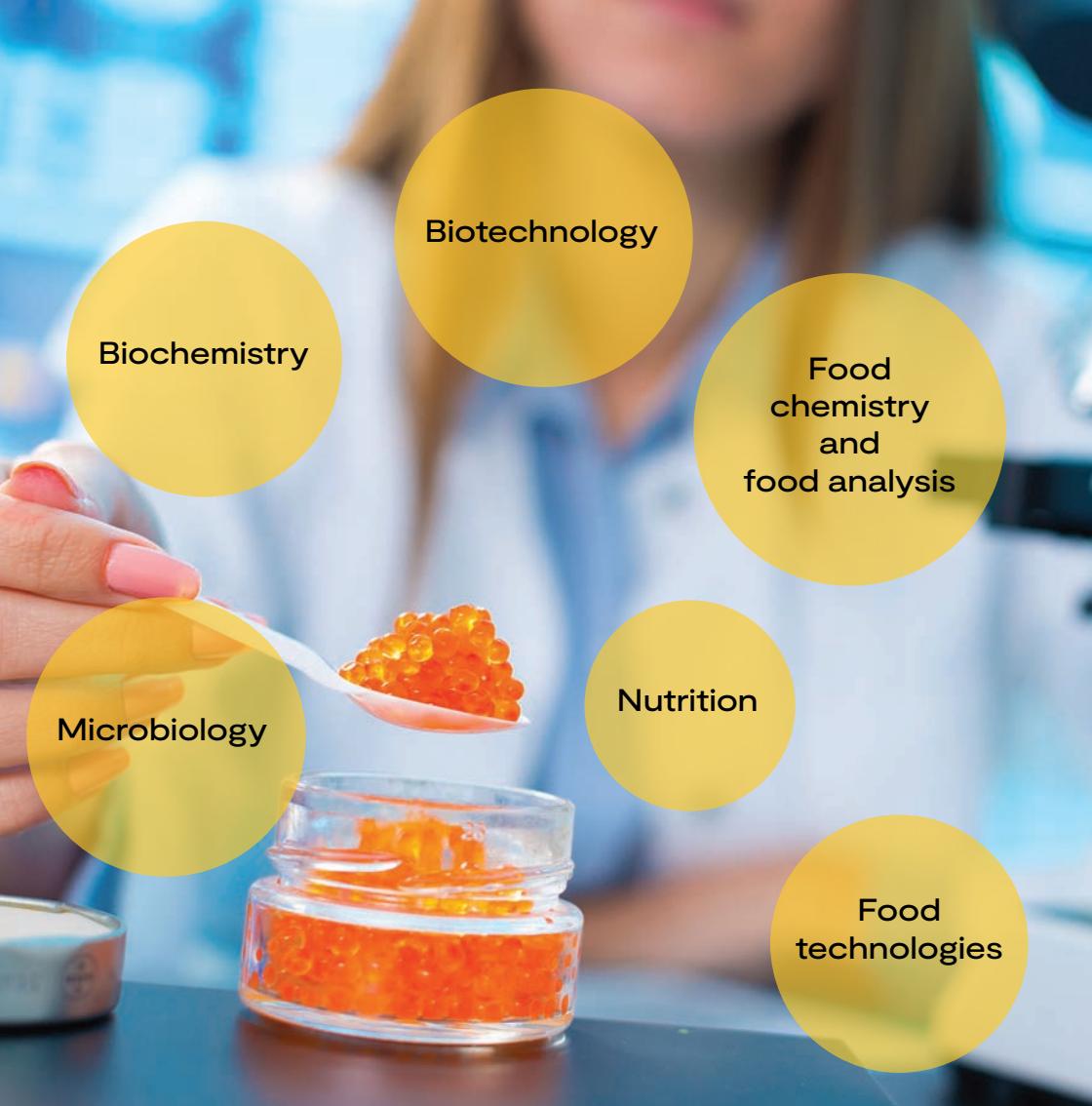
Graduates find employment in a wide range of industries, such as chemical or petrochemical, as well as in the field of environmental protection.

## Key educational areas

- Liquid, gaseous, and solid (bio)fuels and green chemistry
- Power engineering with the focus on sustainability and renewability
- Environmental engineering and technology aimed on water, air, and soil pollution control
- Energy-neutral technologies and carbon capture
- Sustainable water management including water supply and reuse
- Sustainability management and circular economy
- Climate change mitigation

## Examples of International collaboration

University of Oviedo (Spain), Åbo Akademi University (Finland), IHE Delft (Netherlands), Pontificia Universidad Católica de Valparaíso (Chile), University Teknology Petronas (Malaysia), KNUST University (Ghana)



# Faculty of Food and Biochemical Technology

CAREERS

Study programmes provided at the Faculty of Food and Biochemical Technology embrace both traditional fields of food science as well as current trends in the development of food and biochemical sciences.

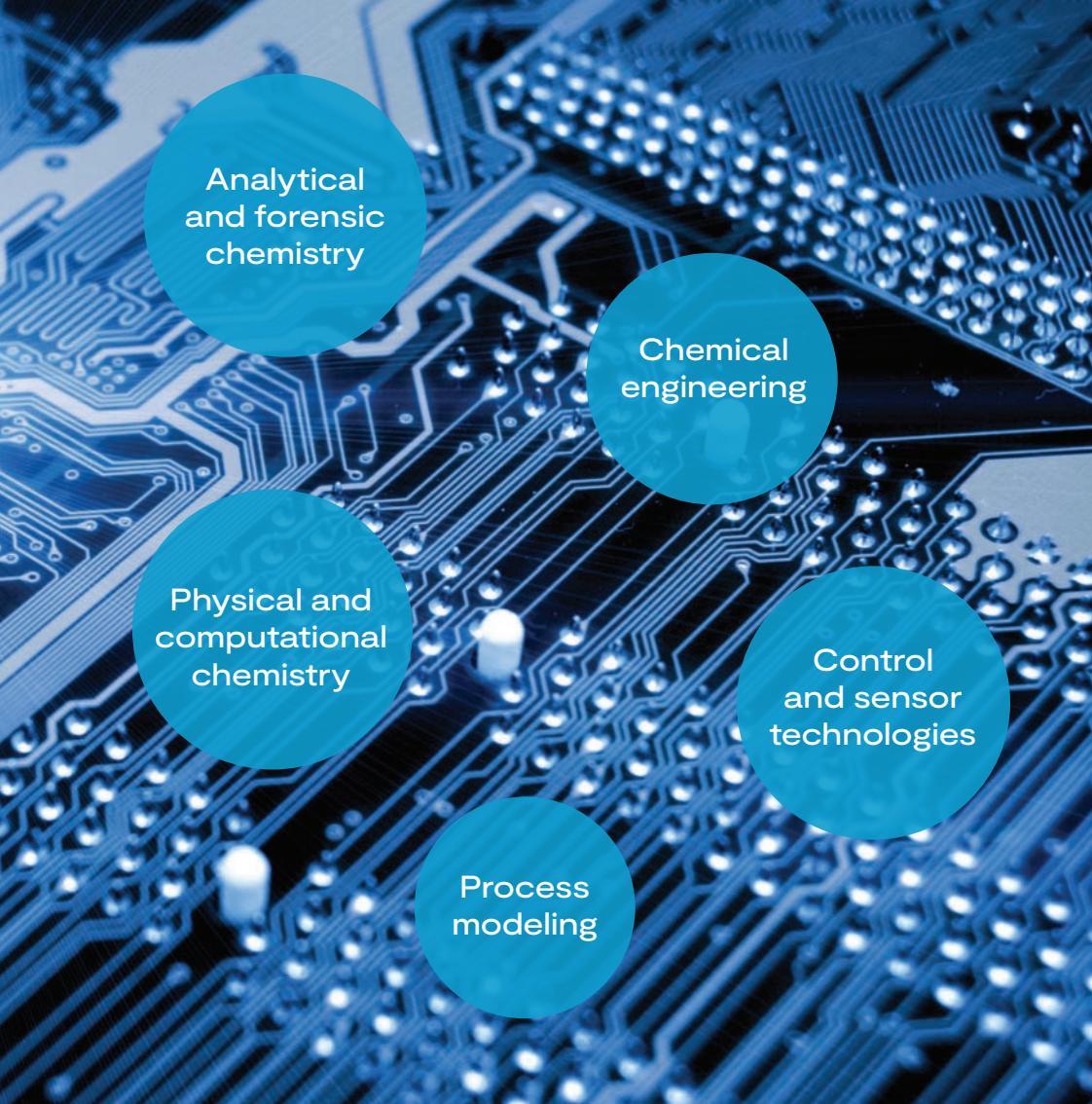
Graduates pursue their careers primarily in the food industry and related fields, in scientific research, and at schools and institutions of higher learning both in the Czech Republic and abroad.

## Key educational areas

- Biochemistry and cell biology
- Microbiology and genetic engineering
- Biotechnology and bioengineering
- Natural substances and medicines
- Forensic analysis
- Chemistry and analysis of food and natural products
- Food technology

## Examples of International collaboration

Wageningen Food Safety Research – WFSR (the Netherlands),  
University of Natural Resources and Life Sciences – BOKU  
(Austria), University of Cambridge (United Kingdom)



# Faculty of Chemical Engineering

CAREERS

During their studies, students will gain a broad theoretical foundation in chemistry and engineering subjects. In particular, emphasis is placed on independent work in laboratories, engineering thinking and a systems approach to problem solving.

The faculty is an important research workplace and its staff is involved in a number of grant projects and research tasks, which are often implemented in industrial and research practice.

Graduates of the faculty find employment in various sectors of the chemical, petrochemical and food industries.

## Key educational areas

- Chemical engineering
- Analytical chemistry
- Physical chemistry
- Process measurement and sensor techniques
- Process control and engineering informatics

## Examples of International collaboration

BASF (Germany), Imperial College London (United Kingdom),  
Stanford University (United States)



# School of Business

CAREERS

All programmes are characterised by a rigorous approach to practical problem solving and an emphasis on graduate employability in an international environment. The School of Business also engages in research activities, lifelong learning programmes, and conducts contract research for businesses and public institutions.

It is the coordinator or co-director of the international educational cooperation projects Virtual Visiting Professors, Biocomp, Corall and Learn&Change, SME Joint Venture, strengthening the internationalisation of teachers and students.

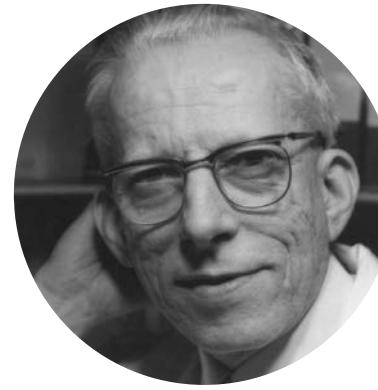
## Key educational areas

- Economics
- Innovation management
- Project management
- Operations management
- Finance
- Business administration
- Sustainability
- Regional and social development
- HR management and intercultural communication



# Alumni

UCT Prague has cultivated generations of excellent experts



**Otto Wichterle** was a world-famous Czech scientist and inventor who worked primarily in the area of macromolecular organic chemistry. He is celebrated for his inventions leading substantial improvement and global spread of soft contact lenses. Otto Wichterle is also renowned for the discovery of a polyamide fibre – silon.



**Vladimir Prelog** was an organic chemist who was awarded the Nobel Prize in Chemistry in 1975 for his research into the stereochemistry of organic molecules and their reactions.



**Emil Votoček** earned worldwide recognition for his work in the field of saccharide chemistry. He is credited, together with Alexandr Sommer Batěk, with creating the Czech chemical nomenclature and successfully putting it into practice. The Czech chemical nomenclature is widely regarded as one of the most ingenious national-language chemical nomenclatures ever devised.

# Campus Dejvice

## Chemistry programmes

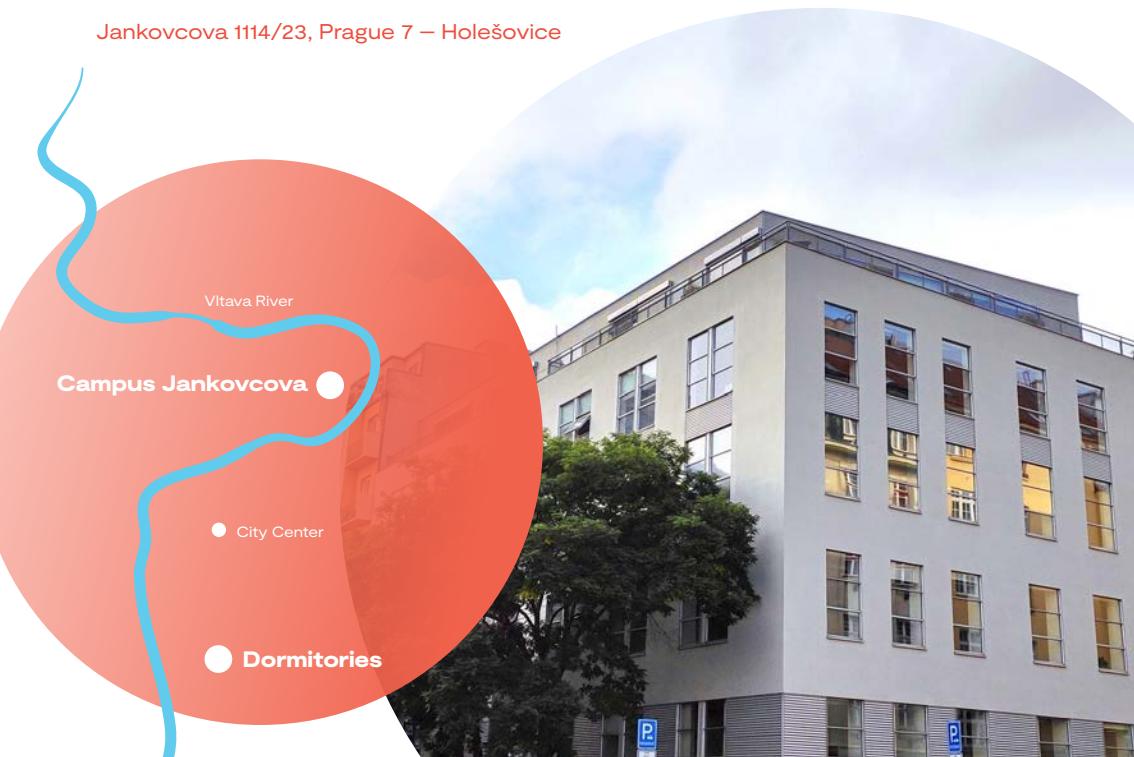
Technická 1905/5, Prague 6 – Dejvice



# Campus Jankovcova

## School of Business

Jankovcova 1114/23, Prague 7 – Holešovice



# Student Clubs

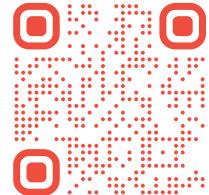
Our student clubs are an integral part of campus life. They bring together students with shared interests in culture, sports, the arts, and more. Whether you want to connect with international students, play hockey, take photographs, or participate in cultural events on campus, joining a club is the perfect way to get involved.

## Study Clubs »

- Tutors
- IAESTE (foreign internships)
- Erasmus Student Network
- UNIQORN (scientific research)
- Business club
- FISO (Full-time International Students Organization)

## Culture Clubs »

- UNI-ART
- DI(v)OCH (theatre club)
- Chemchór (university choir)
- UCT Prague Orchestra



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## Leisure Clubs »

- 4Students (organising social events)
- Balling's Homebrewers
- Chempro (improv group)
- DBCG (board and card games)
- Magical Gathering
- Sustainable Society
- UCT Chess Club
- UCT Gaming

## Sport Clubs »

Basketball, Tennis, Floorball, Hockey, Futsal, Football, Volleyball, Climbing



# Events

- » **Campus Fest**
- » **Photo contest**
- » **Graduation Ceremony**
- » **Student Award for the Best Educator**
- » **Intercollegiate sport matches**
- » **Chemistry Olympiad**
- » **University Carnival**
- » **University ball**
- » **Open Day**
- » **Hanami**



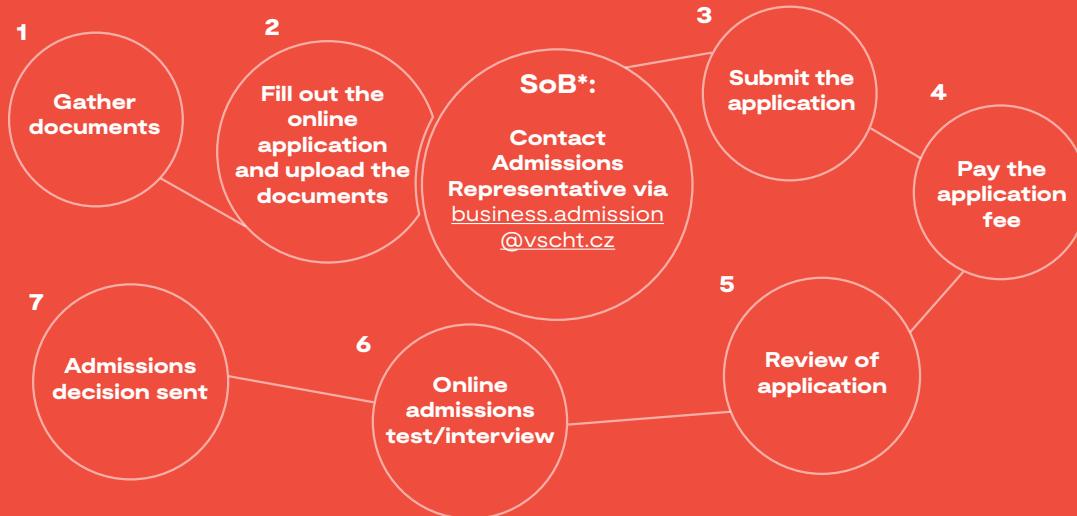
# Application Procedure

**Chemistry: 1 December–31 January**

**Business: 1 December–31 August**



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Application documents are assessed by the admissions committee.

Selected applicants are invited for an online admissions test or interview.

\* This step applies for School of Business applicants only.

# Application Documents

**The following documents must be uploaded when submitting the application:**

- Graduation Certificate / Diploma and Transcript of Records
- Certificate of English Language Proficiency
- CV
- Motivation Letter
- Medical Assessment Form
- Copy of Passport
- Recognition / Nostrification Certificate

If your current studies are not yet completed, please provide a Study Confirmation issued by your secondary school or university, clearly indicating your expected graduation date.

If you have not yet completed the nostrification process (carried out by the official authorities of the Czech Republic), you may apply for Recognition of Previous Foreign Education at UCT Prague instead.

# Recognition of Previous Education

This process verifies that the education completed abroad is equivalent to the education level required for studying at a university in the Czech Republic.

This process can be completed as a part of the admissions process. Students have to provide the following documents to UCT Prague and pay a recognition fee in the amount of 800 CZK.

**UCT Prague has to receive verified (true) copies of:**

- **Graduation Certificate + Transcript of Records**
- **+ Translation into English/Czech language**  
(if issued in another language)
- **+ Apostille/Superlegalization** (if required)



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# Study Fees

Tuition fees are recalculated for each academic year according to a coefficient provided by the Ministry of Education, Youth, and Sports of the Czech Republic. The tuition fees are due within 3 months from the day of the physical enrollment in the program.

On Enrollment Day (usually held in the first/second week in September) students are provided with official payment information. Payment can be made either online in the Study Information System (SIS), or via a bank transfer.

## TUITION FEES

[study.vscht.cz/tuition](http://study.vscht.cz/tuition)

The current tuition fees can be found on the university's website.



Tuition fees  
→ [link here](#)

## UNIVERSITY SCHOLARSHIP

[study.vscht.cz/studying-at-uct/scholarship](http://study.vscht.cz/studying-at-uct/scholarship)

UCT Prague offers merit-based scholarships. Scholarships are awarded on a competitive basis.



University scholarship  
→ [link here](#)

## APPLICATION FEE

≈ EUR 125

# Accommodation in Dormitories

UCT Prague offers a total of 1 500 beds in two dormitory buildings in the southern part of Prague about 30-40 minutes from the university campuses.

International students can apply for accommodation in the dormitories through the Admissions Officer and can move in starting the second week of September.



VOLHA  
BUILDING

SÁZAVA  
BUILDING



# University of Chemistry and Technology, Prague



[study.vscht.cz](http://study.vscht.cz)



[admissions@vscht.cz](mailto:admissions@vscht.cz)