University of Chemistry and Technology, Prague
The University of Chemistry and Technology, Prague is a natural centre of first-rate study and research in the area of chemistry in the Czech Republic and is one of the country’s largest educational and research institutions focused on technical chemistry, chemical and biochemical technologies, material and chemical engineering, food chemistry, environmental, economic and business studies.
Vladimir Prelog, Nobel Prize winner, Otto Wichterle, inventor of contact lenses, and Emil Votoček, author of the Czech chemical nomenclature. Several presidents of the Czech Academy of Sciences – František Šorm, Rudolf Zahradník, and Jiří Drahoš – are connected with the school as well.

Currently UCT Prague boasts a number of excellent experts such as Jana Hajšlová, member of the EU Advisory Group “Food Quality and Safety”; František Stěpánek, who has been awarded an ERC grant; Martin Pumera, head of the excellent team for advanced functional nanorobots; professors Tomáš Ruml, Karel Bouzek, and many more.

Half of its income is generated from the institution’s creative activities focused on science, research and innovation. In the Czech context, this is an extraordinary accomplishment.

The institution is a member of the European University Association, the European Federation of National Engineering Associations, and the International Society for Engineering Education. It cooperates with more than 100 academic institutions not only in Europe but also in the US, Canada, Japan, Vietnam, and many other countries.

Member of the Association of Research Universities of the Czech Republic. Through this association, universities intend to compete together with the world’s best universities for international research and education.

A number of key figures of the history of chemistry relate to UCT Prague. Among them, three figures are renowned in their fields.

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UCT Prague is ranked in what is generally acknowledged as the top three prestigious university rankings lists (ARWU, THE, QS). According to THE, UCT Prague ranks amongst the top 4% of the world’s best universities (*2016). In ARWU, UCT Prague achieved the rank of 701-800, steadily increasing over the last two years.

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> 4% <

> 4,000 students with an extraordinary number of PhD students: 700, on average.

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355th

UCT Prague appeared for the first time in QS World University Rankings 2020 and attained the respectable rank of 355th in the world and second amongst the ranked Czech universities.

UCT Prague has more than 4,000 students with an extraordinary number of PhD students: 700, on average.

A number of key figures of the history of chemistry relate to UCT Prague. Among them, three figures are renowned in their fields.
Science and Research

UCT Prague has long been one of the Czech Republic’s most productive science and research higher education institutions. The volume of creative activities focused on science, research, and innovation represents more than 50% of the university’s annual budget. That means over 775 million CZK, on average.
The university's scientific and research potential is supported by a strong research base formed by:

- The Czech Republic's largest scientific library focused on chemistry (112,000 publications with approximately 1,300 publications added annually, on average)
- The Czech Republic's largest publisher of chemistry literature
- Superbly equipped research laboratories

The university also has the highest percentage of PhD students to all students of any higher education institution in the Czech Republic.

The university's extensive publication activity focuses on articles in scientific journals, namely those with high impact factors, monographs, and chapters in monographs. According to the number of publications cited in the WoS and Scopus databases, UCT Prague ranks among the top 6 higher education institutions in the Czech Republic.

If calculated per faculty member, it ranks even higher – among the 3 most productive higher education institutions.

UCT Prague as a research workplace is engaged in intensive collaboration with industrial partners. Research cooperation in projects has resulted in a number of applied outcomes such as patents, utility models, and implemented technical projects.

**RECENT PRIZES AND AWARDS**

UCT Prague has a number of excellent professors, researchers and students. Therefore, it is no surprise that they often receive prestigious awards for their activities, both domestic and international. Such distinctions for last 5 years include the following:

- Austrian Cross of Honour for Science and Art. First Class
- IWA Distinguished Fellow
- Harvey W. Wiley Award
- ICG President’s Award
- Medal of the Czech Chemical Society
- Prize of the Ministry of Education, Youth and Sports for Extraordinary Results in Research, Experimental Development and Innovations
- František Běhounek Prize
- The Learned Society of the Czech Republic Award
- Neuron Impulse grant
- Neuron Award
- Siemens Award
- Scientific Awards of the French Embassy in the Czech Republic
- Danubius Young Scientist Award
- Josef Hlávka Award
- F. O. Poupé Award
- CRYTUR Award

for the best diploma thesis in material sciences
INTERNATIONAL EXCELLENCE

UCT Prague participates in partnerships and activities within large research and development infrastructures. Such partnerships enable deeper involvement in the European research area and enhance the competitive strength of research teams and the entire school. Teams from UCT Prague are engaged in consortial agreements in the following large infrastructures:

- **WIDER UPTAKE** - the overall objective is to co-develop a roadmap for widespread implementation of water smart symbiotic solutions for wastewater reuse and resource recovery, based on the principles of circular economy. The role of UCT Prague in this project is to demonstrate safe, reliable and economically feasible use of treated municipal wastewater for greening the urbanized areas.

- **REPARES** - aims at advancing European community’s know-how on the spread of antibiotic resistance across sanitation waterways. In cooperation with European leaders in the field, we will develop standard experimental methodology and public database of antibiotic resistance genes present in sewage treatment plants.

- **NEXTAEC** - project the overall objective is to develop an alkaline membrane based water electrolyzer with performance comparable to a PEM electrolyzer without the use of noble metals or any other critical raw materials.

- **METROFOOD-RI** - Infrastructure for Promoting Metrology in Food and Nutrition - is a pan-European Research Infrastructure aimed at promoting scientific excellence in the field of food quality and safety and providing high-quality metrology services in food and nutrition.
Education

We produce experts possessing high quality theoretical knowledge combined with substantial laboratory experience. Graduates easily find employment in the commercial sphere or in scientific and research organisations. Many of our graduates pursue academic careers as researchers and instructors.
CHARACTERISTIC FEATURES OF A UCT PRAGUE EDUCATION:

- Students write their final theses based on real scientific research topics
- High percentage hours spent receiving hands-on laboratory instruction
- Extraordinarily low professor-to-student ratio (TOP 50 in QS World University Rankings 2020)
- Many specialized subjects are taught by professionals working in applied settings

UCT Prague was the first Czech university authorised to provide the Euro-bachelor degree. As its name indicates, this prestigious recognition certifies the quality of UCT Prague bachelor studies at the European level.

Over 40 programmes have been accredited in the areas of chemistry, chemical and biochemical technologies, material and chemical engineering, food industry, environmental, economic and business studies.

Some of the programmes are unique within the Czech Republic and essential to its future in the development of water technologies, refinery and petrochemical technologies, pharmaceutical engineering, glass and ceramics production technologies, brewery technologies, and food safety.

Over 4,000 students are currently enrolled at the university, including an average of 700 PhD students. Every year, 500 bachelor, 400 master, and 90 doctoral students graduate.
INTERNATIONAL CONTEXT OF A UCT PRAGUE EDUCATION

19% international students
18% international PhD students

PARTNER UNIVERSITIES

University of Tromso – The Artic university of Norway, Tromso (Norway)
University of Chemistry and Technology, Prague (Czech Republic)
KU Leuven, Leuven (Belgium)
Centrale Lille Institute, Lille (France)
Normandy University, Caen (France)
Rennes Graduate School of Chemistry, Rennes (France)
University of Regensburg, Regensburg (Germany)
University of Burgundy, Dijon (France)
Marche Polytechnic University, Ancona (Italy)
University of Cagliari, Cagliari (Italy)
Slovak University of Technology in Bratislava, Bratislava (Slovakia)

DEGREE PROGRAMMES in English
We offer:
• 4 Bachelor Degree programme (9 specialisations)
• 4 Master Degree programme (5 specialisations)
• 14 Doctoral Degree programmes (8 Double Degree programmes)

DOUBLE/MULTIPLE/JOINT DEGREE PROGRAMMES
• 5 Double Degree master programmes (Switzerland, France, Italy)
• 2 Multiple Degrees master programmes (ERASMUS MUNDUS in Membrane Engineering = EM3E-4SW; ERASMUS MUNDUS International Master of Science in Environmental Technology and Engineering = IMETE)
• 8 PhD Double Degree programmes (France, Norway, Germany, Belgium, Italy, Slovakia)
• Doctoral Multiple Degrees (ERASMUS MUNDUS Doctorate in Membrane Engineering = EUDIME)
• SuPER-W – European Joint Doctorate programme for highly motivated young researchers
• Doctoral “cotutelle” study (dissertation thesis under double supervision)

ATHENS
UCT Prague organizes three week-long intensive courses for students from European universities.

ERASMUS +
UCT Prague is the most active Czech university in this exchange programme

> 120 bilateral agreements
> 230 international students and scholars visit UCT Prague per year (France, Spain, Turkey, Belgium, and others)
> 100 outgoing students every year (Scandinavia, Great Britain, Germany, the Netherlands, and others)
Cooperation with Industry

UCT Prague has maintained a long tradition as one of the Czech Republic’s most intensively engaged universities in terms of collaboration with applied/industrial partners.
Such collaborations take the form of complementary business activities (quite numerous for the Czech higher education context) and include applied research and experimental development as well as consultancy and educational activities for industrial partners, resulting in 70 million Czech crowns annually. Knowledge transfer to practice is performed by direct scientific and research activities financed by non-public funds and also taking the form of professional consultation and advisory services and courses which enhance the qualifications of employees of firms in the applied sector. Another form of cooperation encompasses collaborations with industrial partners within applied research projects financed by public funds and organized by the Technology Agency of the Czech Republic, the Ministry of Industry and Trade, and the Ministry of Agriculture.

THE APPLIED SECTOR PLAYS AN IMPORTANT ROLE IN THE PREPARATION AND PROVISION OF STUDY PROGRAMMES

UCT Prague is aware how important it is to create study programmes which meet the needs of the applied sector in order to provide graduates with real-world skills and experience. The university has a long tradition of cooperation with industrial and applied partners. Both existing programmes as well as those being planned for future accreditation are reviewed by experts in the relevant applied sectors. In addition, a wide spectrum of lectures are given by experts from large companies (Zentiva, Teva, Unipetrol) and include management skills (soft skills; for example, at Procter & Gamble, Pivovary Staropramen). UCT Prague is actively involved in a long-term collaboration with the Association of the Chemical Industry of the Czech Republic.

Every academic year more than 150 experts from the industrial/applied sector take part in experimental theoretical instruction; cooperate in choosing topics for bachelor, diploma, and doctoral theses; serve as consultants for the experimental part thereof; and participate as members of examination boards for state final exams and in final doctoral dissertation defense committees.
At present, more than 1,000 students graduate from UCT Prague every year. They gradually join the ranks of university alumni, some of whom have made scientific research history. We are also proud of the alumni who have succeeded in the commercial sphere – in both Czech and international companies.
“UCT Prague guarantees its alumni a bright future and offers them excellent career prospects.”

MSc. Bohdan Wojnar (Škoda Auto, Inc.)

“Direct interaction between the university’s outstanding professors and research assistants and students is an indisputable advantage provided by UCT Prague.”

MSc. Petr Váchal, PhD

“František Šorm was a biochemist and a founding member of the Czechoslovak Academy of Sciences. Later, he also became president of that institution.”

MSc. Štěpán Tkadlec (Unětice Brewery)

“I am sure that the quality of biotechnology studies at UCT Prague, especially the field of brewing technology, is definitely the best in the Czech Republic.”

MSc. Romana Starová (Glasstar)

“UCT Prague is a university where, if you know what you want, you get everything you will need later in life. I was taught to work under pressure from the very beginning. That’s why I don’t break down easily.”

MSc. Romana Starová (Glasstar)
Faculty of Chemical Technology

The Faculty of Chemical Technology encompasses both traditional technochemical and material-engineering fields of study. Its development is defined by solid performance in educational and research areas. It is impossible to imagine any further development of our civilization without new materials and technologies.
UNIVERSITY OF CHEMISTRY AND TECHNOLOGY, PRAGUE

BALANCED HIGH-QUALITY RESEARCH

The balance between original fundamental research and applied R&D is a key strength of the faculty. Faculty solves excellent fundamental science projects (e.g., Advanced functional nanorobots, CZ.02.1.01/0.0/0.0/15_003/0000444) and participates on large strategic applied research and development projects (such as National Competence Centre of Mechatronics and Smart Technologies for Mechanical Engineering, TN01000071) and large EU funded projects (e.g., Next Generation Alkaline Membrane Water Electrolysers with Improved Components and Materials, H2020-JTI-FCH-2019-1). It enables the continuously growing trends in publication activity in prestigious journals and also the generation of intellectual property in the form of patents, verified technologies and prototypes.

In years 2017–18, according to the IDEA-CERGE study (Münich D., Hrendash T.: https://idea.cerge-ei.cz/seznam-publikaci/idea-aplikace2020), the faculty was among the top Czech research institutions in important areas, e.g., Chemistry (Multidisciplinary, Physical, Applied), Electrochemistry, Nanoscience & Nanotechnology, Chemical Engineering, Materials Science (Ceramics, Coatings & Films, Multidisciplinary), Metallurgy & Metallurgical Engineering.

KEY RESEARCH AREAS

• Materials science and technology including nanomaterials and smart materials
• Chemical technologies, catalysis, and membrane processes
• Energy conversion and storage
• Biomaterials for medical applications and tissue engineering
• Development of advanced pharmaceutical substances, dosage forms, and the unit operations for their production
• Bioinformatics

EXAMPLES OF INTERNATIONAL COLLABORATION

• Nanyang Technological University, Singapore
• Universita Politecnica delle Marche, Ancona, Italy
• Université de Lorraine, Nancy, France
• The University of Applied Sciences Northwestern Switzerland FHNW
• Teva Pharmaceutical Industries Ltd.

EXAMPLES OF CZECH COLLABORATION

• Preciosa
• Unipetrol
• Škoda Auto
• Teva
• AGC Czech Republic
• ProSpon
• Czech Academy of Sciences

The number of articles in high-impact journals

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KEY EDUCATIONAL AREAS

• Chemistry and chemical technology
• Chemistry and technology of materials
• Biomaterials
• Synthesis and production of pharmaceuticals
• Bioinformatics
• Conservation and restoration of cultural heritage objects

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Faculty of Environmental Technology

The Faculty of Environmental Technology is the faculty of “four elements”. For the future of humankind, it is important to protect the air, water, and earth as well as to search for new sources of energy – traditionally symbolised by fire.
The Faculty of Environmental Technology is highly successful in submitting proposals and developing project solutions for significant International and Czech support providers such as the Technology Agency of the Czech Republic (TA ČR) and the Ministry of Industry and Trade of the Czech Republic, which reflects the applied nature of research at the faculty.

**KEY RESEARCH AREAS**
- Catalytic hydrogenation processing of petroleum fractions, vegetable oils, liquid products of biomass pyrolysis and their mixtures into high-quality fuel
- Issues of natural gas transportation, distribution, treatment and processing; chemical and energy use of coal and coke; production of alternative fuels
- Waste water treatment and wastewater sludge valorisation, enhanced production of biogas
- Spread of antibiotic resistance through wastewater treatment plants
- Technologies for waste treatment and remediation
- Carbon dioxide capture and storage
- Life Cycle Assessment (LCA) of technologies, products and services, assessment of environmental impacts, assessment of sustainability and energy performance

**KEY EDUCATIONAL AREAS**
- Petroleum and petrochemical industry
- Gaseous and solid (bio)fuels and air protection
- Power engineering, especially with the focus on sustainability and renewability of water supply and on environmental protection
- Waste management and environmental engineering
- Circular Economy

**EXAMPLES OF INTERNATIONAL COLLABORATION**
- Ghent University, Belgium
- University Teknologi Petronas, Malaysia
- KNUST University, Ghana

**EXAMPLES OF CZECH COLLABORATION**
- Unipetrol
- NET4GAS
- Veolia

**FOCUS ON PRACTICE AND HIGH QUALITY OF TEACHING**
The Faculty of Environmental Technology is rated among the highest-ranking faculties in the field of Chemistry in the prestigious nationwide survey of the Faculty of the Year (2019). In this survey, students and graduates evaluate the quality of teaching and the learning environment.
Faculty of Food and Biochemical Technology

The Faculty deals with the top multidisciplinary research in the food technology and biotechnology, safety and quality of food, clinical biochemistry, molecular biology and microbiology. A solid grounding in chemistry provided by the Faculty is fundamental for the exploration of living nature and food science, and supports key civilization values such as human health and quality of life.
KEY RESEARCH AREAS
- Food chemistry, food safety and authenticity
- Nutrition and human health
- Food technology, food packaging and new products development
- Industrial biotechnology
- Biology and biotechnology of (bio)pharmaceuticals
- Chemistry of natural substances, synthesis of new analogues
- General and applied biochemistry
- General and applied microbiology and virology
- Human biomonitoring
- Forensic science

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), Wageningen, the Netherlands
- University of Natural Resources and Life Sciences (BOKU), Vienna, Austria
- University of Cambridge, Cambridge, UK
- University of Copenhagen, Copenhagen, Denmark
- University of Rome Tor Vergata, Roma, Italy
- Federal Institute for Risk Assessment (BfR), Berlin, Germany
- Università Degli Studi Dell’Insubria, Varese, Italy

EXAMPLES OF CZECH COLLABORATION
- Research institutes of the Czech Academy of Sciences
- Czech Agriculture and Food Inspection Authority
- National Health Institute
- Charles University
- Czech University of Life Sciences Prague
- Palacky University Olomouc
- Contipio a.s., Dolní Dobrouč
- Food industry representatives (e.g. Devro, Orkla, Plzeňský Prazdroj, Budějovický Budvar, Nestlé, Penam, Mlyn Perner Svijany, OLMA, MADETA)

PARTICIPATION IN RESEARCH
Research activities of the Faculty as a basis for cooperation with industry, research organisations, academia, health services and public administration leading to increasing public, professional's and scientist's awareness in the field of food and biochemical technology

EU funded projects
- H2020 (8)
- FP7 (9)
- FP6 (5)
- FP5 (3)

Organisation series of reputable international and national events (100-800 delegates per event)
- Biotechnology Symposium (BioTech)
- International Symposium on Recent Advances in Food Analysis (RAFA)
- International Conference on Polysaccharides-Glycoscience
- International Cosmetological Conference
- Milk and Cheese Conference and National Cheese Show

Accredited laboratories according to EN ISO/IEC 17025 (3) and other Faculty centres
- Metrologically and Testing Laboratory
- Testing laboratory of the Department of Biochemistry and Microbiology
- Independent Packaging Laboratory
- Forensic Laboratory of Biologically Active Substances
- University Brewery

Coordination and participation in numerous projects funded from the EU, other international and national resources
- National Competence Center BIOCIRTECH: Biorefining as Circulation Technology
- European Institute for Innovation & Technology (EIT) Food (EIT Food) Hub
- EU-China-Safe: Delivering an Effective, Resilient and Sustainable EU-China Food Safety Partnership
- HBM4EU: European Human Biomonitoring Initiative
- FoodSmartphone: Smartphone Analyzers for on-site Testing of Food Quality and Safety
- MultiCoop: Multidisciplinary Approach to Strengthen Cooperation and Establish Novel Platform for Comprehensive Assessment of Food and Feed Safety
Faculty of Chemical Engineering

The Faculty of Chemical Engineering is the most recently founded faculty at UCT Prague. It links mathematics, physics, and chemical engineering together and enables students to analyse, rationally describe, and professionally predict complex natural and technical processes whose utilization presents a challenge for future generations.
KEY RESEARCH AREAS
• Development of new materials and techniques for molecular separation and chemical analysis
• Development of new processes and methods for industrial applications in the chemical, biochemical and pharmaceutical industries, and energetics
• Development of new methods for monitoring and detection of chemical substances and their conversion rates
• Mathematical modelling of chemical processes from the molecular level up to the industrial scale
• Interdisciplinary research focused on the development of methods for the detection of diseases at different stages of their development

KEY EDUCATIONAL AREAS
• Chemical engineering
• Analytical chemistry
• Physical chemistry
• Process measurement and sensor technics
• Process control and engineering informatics

EXAMPLES OF INTERNATIONAL COLLABORATION
• BASF, Germany
• Imperial College London, Great Britain
• Stanford University, CA, US

EXAMPLES OF CZECH COLLABORATION
• The Czech Academy of Sciences
• Zentiva
• Škoda Auto

SUCCESSES OF THE FACULTY IN COMPARATIVE RANKING LISTS
First place (2016, 2017) and moreover for the period 2016–2019 in total the highest number of points earned in the “Technical Sciences” category of Best Universities in the Czech Republic rankings according to Týden, a weekly news magazine. Týden’s ranking was based on four criteria: interest in the faculty; quality of education and research; research performance; external reviews based on international rankings; and reviews by the Czech Accreditation Commission.

Ranked high by the Centre for Education Policy (Charles University, Faculty of Education, 2016) within the ranking of Czech public universities and their faculties. The Faculty of Chemical Engineering, as well as other UCT faculties, obtained the maximum number of stars on a five-star rank scale in the category “Emphasis on Science, Research and Creativity.”

Number of PhD students
School of Business

A unique blend of top-tier business science education with industry insight and social competences, assuring a high demand by prospective employers and broad international career perspectives for graduates.
SELECTED RESEARCH AREAS

- Innovation Assessment and Technology Transfer
- Industry Business Process Modelling
- Tools for Strategic Decision-making
- Factors of Business Viability and Corporate Default
- Impacts of Industry 4.0
- Business Cycles and Markets Research
- Smart Cities and Regions
- Leadership and Job Motivation

KEY EDUCATIONAL AREAS

- Economics
- Innovation Management
- Project Management
- Operations Management
- Finance
- Business Administration
- Sustainability
- Regional and Social Development
- HR Management and Intercultural Communication

PROGRAMME HIGHLIGHTS

- Students are taught in small classes, facilitating communication, motivation, feedback and complete achievement of learning objectives.
- A diverse composition of study groups and project teams comprising different cultural backgrounds and majors, including technology and sciences, prepares graduates to lead multifunctional groups and succeed in the globalized economy.
- Besides the carefully designed core curriculum, students may take a wide range of optional courses from the School of Business or the UCT Faculties, allowing them to specialize according to their personal and career interests.
- Graduates typically take management or strategic positions in industry, commerce, finance, industrial policy, consulting, public administration, and some start their own businesses.
- Excellent academic standards and focus on multidisciplinary and intercultural skills provide graduates with industry leadership skills, sectional and geographical mobility potential, as well as the choice of pursuing research paths and continuing their education in doctoral programmes.
The Dejvice Campus

UCT Prague is part of the Dejvice Campus, located near the Prague Castle and shared by three universities, the Institute of Chemistry and Biochemistry of the Czech Academy of Sciences, and the Czech National Library of Technology.
As far as its area is concerned, the campus is rather compact. However, it is strategically located near the Prague Castle, in one of Prague’s busiest districts. Although its design is not entirely homogeneous, the Dejvice Campus is a spontaneous, organic component of its surroundings. Academic solemnity, enthusiasm, and the youthful light-heartedness of students are wedded here exactly in a manner befitting such a place.

INTERESTING HISTORICAL FACTS
• Originally, the campus was meant to be a monumental university campus based on the model of large international universities. Antonín Engel, a renowned Czech architect, created the original concept.
• The foundation stone for the Dejvice campus was laid on 21 June 1925 and Tomáš Garrigue Masaryk, then Czech president, participated in the event.
• Unfortunately, because of WWII, the original vision could not be fully implemented.
• Bullet holes on the UCT building still remind us of WWII liberation struggles.

In 2015, the Dejvice Campus initiative was launched in order to improve the social, academic, and scientific environment in this bustling educational and research centre and to make it even more attractive for students, scientists, professors, and the public.

MEMBERS OF THE DEJVICE CAMPUS COMMUNITY:
• University of Chemistry and Technology, Prague
• Czech Technical University in Prague
• Catholic Theological Faculty, Charles University
• Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences
• Czech National Library of Technology
• Municipal District of Prague 6
The very first Czech university situated on an industrial premises is offering a unique interconnection between high-quality university education and the projects, tasks, and challenges of production plants – in this case, a refinery-petrochemical complex ORLEN Unipetrol. The Faculty of Mechanical Engineering of the Czech Technical University in Prague has become partner of the Centre in 2020.

During their studies, students at the University Centre of UCT Prague can pursue auxiliary academic activities at the Unipetrol Centre for Research and Education, Inc. Students help local researchers with specific projects, gain experience, establish valuable contacts, and – last but not least – receive renumeration for their work.
Technopark Kralupy

UCT Prague established Technopark Kralupy as a detached department in 2013–2014 by rebuilding an abandoned industrial mill located at the centre of Kralupy nad Vltavou. Funding came from European structural funds.

Technopark Kralupy also acts as a support center for technical and natural sciences education in the region, with a special focus on primary and high schools.

Technopark provides highly specialized scientific services. Cutting-edge laboratory equipment allows researchers to handle even the most challenging R&D tasks.

Technopark focuses on:
- Research and innovative activities across chemical technologies, as well as material and civil engineering
- Corrosion and material engineering
- Research in the field of silicate chemistry
- Application of plastic materials in construction
- Microbiology, chemical, and environmental analysis
- Development of technology for construction architecture
- Combination of chemical and civil engineering expertise
- Support of transfer of R&D findings to practice
1348 Prague University established by Charles IV; rudiments of alchemy were taught at the Faculty of Arts, among other subjects.

15th and 16th centuries Separation of empirical processes from alchemy.

1707 Establishment of the Czech Estates Engineering School.

15th and 16th centuries

1806 The Czech Estates Engineering School was transformed into the Czech Estates Polytechnic Institute, also known as Prague Polytechnic, which originally had departments of mathematics and chemistry.

1806

1879 Part of Prague Polytechnic was renamed the Czech University of Technology (later: Czech Technical University, CTU).

1879

1918 Classes were first conducted in a new UCT building, still seat of university leadership today.

1918

1928 Vladimir Prelog, the future Nobelist, graduated from the school.

1928

1929 Professors Votoček and Heyrovsky founded a representative journal, the Collection of Czechoslovak Chemical Communications, which published texts by Czech and Slovak chemists in English.

1929

1933 Classes were first conducted in a new UCT building, still seat of university leadership today.

1933

1949 Professor Wichterle set up the Department of Plastic Materials, where he later started his studies of hydrophilic gels that he later used in manufacturing the first contact lenses in the world.

1949

1952 UCT Prague and the Czech Agriculture University (now the Czech University of Life Sciences) were carved off from the alliance of schools that formed the CTU. At first, the university had three faculties – the Faculty of Inorganic Technology, the Faculty of Organic Technology, and the Faculty of Food Technology. Another faculty was added a year later – the Faculty of Technology of Fuel.

1952

1960 A new Faculty of Automation and Economics was established.

1960

1960s The faculties merged and were given their current names, with the exception of the Faculty of Technology of Fuel and Water, which was transformed into the Faculty of Environmental Technology in 1991.