

University of Chemistry and Technology, Prague

A public higher education institution

Annual Activity Report 2023

Submitted by

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Rector

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Annual Activity Report – Main Section



Rector's Statement

The University of Chemistry and Technology, Prague presents its Annual Report on Activities carried out in the calendar year 2023 in accordance with Section 21 of Act No. 111/1998 Coll. on Higher Education Institutions.

The Annual Report on Activities of UCT Prague for the year 2023 provides an overview of statistics and information on how our university performed in the past year and how it managed to fulfil its priorities as stated in the Strategic Plan 2021+ (SP2021+). I would like to use the presented evaluation of the year 2023 to highlight the goals and tasks that I consider essential and whose fulfilment is necessary for the successful future of our university.

Our student numbers have been stable in recent years, with no change in 2023 (4370 students). However, this is true for UCT Prague as a whole, not for all Study programmes. It will therefore be our great task to analyse our offer to prospective students in detail and adjust it in accordance with the needs of the employers of our graduates. This important task will also have to be linked to teaching innovation. Whether it is adapting the curriculum, introducing modern teaching methods or improving the conditions for those of our academic staff who are willing and able to teach. It will require a change in the status quo, in remuneration, in mental set-up, but I firmly believe that now is the right time.

A huge challenge for our school will be fundamental changes in doctoral studies based on the upcoming amendment to the Higher Education Act. UCT Prague has the highest number of doctoral students per number of students of all Czech universities (804 in total by 2023, i.e. almost 20% of the total number of students). The changes to the law will affect us to a much greater extent than other universities. That is why we have decided to allocate the capacity of a Vice-Rector without Portfolio to this complex topic, who is already working intensively on the future shape of doctoral studies, together with the faculties and the Academic Senate.

The main asset of our university is the quality and motivated scientists, teachers and administrative staff. We must continue the trend of supporting and investing in people in the years to come, where, in addition to further salary increases, priority will be given to adjusting the career system and developing a system for maintaining social security. If we want UCT Prague to remain a top university, we need to find a way to retain top employees and at the same time be able to attract others.

But it won't be free. The inflation of the last two years has been only partially reflected by the government in the funds allocated to universities, and the institutional underfunding of the entire higher education sector has deepened further. Similarly, earmarked funds for research grants and projects, for which we can compete with other universities and institutes of the Academy of Sciences, have not grown significantly. We have managed to increase the number of projects by 5% year-on-year and the funding tied to them by 7.1%, but again it must be remembered that inflation has been in double digits for two years in a row.

However, there is financial potential in the field of science and research, which should always have a privileged position at the UCT Prague. Additional sources of funds can be generated by functional project

support for excellent and budding scientists. We need to look more abroad for grants. To this end, we absolutely must adjust and properly set up the functioning of the Project Centre.

Yet we cannot avoid diversifying our sources of income. Personally, I see a lot of room for a comprehensive approach to cooperation with the commercial sector (in 2023, there was a 1.2% year-on-year decline in the volume of contracted cooperation). Furthermore, the new concept of lifelong learning, which currently does not generate any interesting revenues. The sponsorship and technology transfer strategy also needs to change.

At the same time, we must not be afraid of the unpopular but, from a management point of view, perfectly logical line of seeking savings. We have already started work on optimising the activities of the rector's offices(s), and if necessary we must not be afraid of reducing the number of inefficient employees in favour of rewarding the high-quality ones. The implementation of a project aimed at creating a strategy for sustainable behaviour at the university will certainly bring savings. It is also time for us to take much more advantage of project and process management at the level of the Rector's Office and switch from a strictly hierarchical management structure where it will not have an effect. We also need to bring service design and innovation, systemic quality control, data management (a 'data mining' group was established in 2023) and, of course, artificial intelligence into the management of the University in the coming years.

What, on the other hand, from my point of view does not require any intervention is the humanity, intelligence, cohesion and activity of our students and graduates. I have to admit that whether I meet them during classes, joint projects, at campus events of various clubs in Vector or just in the hallways, I always feel joy and pride that we belong to one chemistry clan.

Prof. Ing. Milan Pospíšil, CSc.

Rector

1 Develop competences directly relevant to life and practice in the 21st century

Support for the development of staff competences for teaching and study programme development (MEYS SP2021+: 1A)

Developing teachers' competences

In 2023, UCT Prague also offered **developmental language courses** for PhD students and employees, semester-long and intensive, with a primary focus on English, but German, Spanish, French and Russian were also on offer. There were 14 courses for PhD students, attended by a total of 85 students, and 53 courses for employees, attended by 373 employees. Courses were provided by the Department of Languages with the support of a financial contribution from the 2022-2025 Strategic Management Support Programme for Universities. The same financial source also supported 8 **field placements of lecturers to enhance their teaching competences**. The Department of Chemical Education and Humanities organised a course on **Teaching Skills for Doctoral Students** with a focus on face-to-face teaching with 8 participants and also provided individual consultations for interested teachers throughout the year.

UCT Prague joined a **joint project of universities** supported by the Centralized Development Programme for Public Universities for 2023 called *"Standards of Teaching Quality at Czech Universities"*. The sharing of good practice in the evaluation of teaching quality at the co-host schools and the outputs of the project in the form of a competency framework for academic staff in the field of teaching were used in the modification of internal documents to ensure quality assessment at UCT Prague and were also reflected in the proposals for the creation of the Centre for the Development of Teaching Competence at UCT Prague within the framework of the upcoming strategic project for the ESF+ call for universities from the OP JAK.

Awards for teaching and educational activities

The **Vitriol Student Awards** were presented for the third year at the November ball of UCT Prague. The winners in the best teacher category were **Prof. Ing. Radek Cibulka, Ph.D.**, for **FET Ing. Hana Kujalová, Ph.D.**, for **FFBT Assoc. Prof. Ing. Petra Lipovová, Ph.D.**, for **FCE Mgr. Markéta Zikmundová, Ph.D.**, and for the school-wide departments **RNDr. Jan Havlík, Ph.D.** The prize in the category of non-teaching staff was awarded to **Bc. Lenka Polanská** from the Foreign Unit. The Vitriol Student Prize is awarded by students to the most popular teaching and non-teaching staff at UCT Prague. The aim is to appreciate the work of those who innovate teaching beyond their job duties, who are able to captivate students for their field with their enthusiasm and knowledge during lectures, who are a support and mentor for students whenever needed.



Prof. Ing. Radek Cibulka, Ph.D. (Department of Organic Chemistry, FCT) received in November at the Liechtenstein Palace the Award of the Minister of Education, Youth and Sports for outstanding educational activities at the university within the framework of the awarding of the Ministry of Education, Science and Research Awards in the field of higher education. The award is presented by the Minister of Education, Youth and Sports to university employees

for outstanding educational activities or for a significant innovation in educational activities during the last three years.

Strengthening the link between studies and practice and preparation for future employment (MEYS SP2021+: 1C)

NRP for higher education

In 2023, the project plan of UCT Praha was being solved within the framework of the Ministry of Education, Youth and Sports's call for NRPs in the field of universities for 2022-2024 from component **3.2.1 Transformation of universities with the aim of adaptation to new forms of learning and changing needs of the labour market**. Within the framework of sub-projects divided into specific objectives A to C, the project plan focused on strengthening the digitalization of the study agenda and support for online and distance learning at UCT Prague, as well as on expanding the offer of certified lifelong learning courses and the creation of professionally oriented Study programmes, including the provision of the necessary computer and software facilities for the implementation of these activities (A), the creation of bachelor and doctoral degree programmes (B) and, in the form of three joint projects of universities, the improvement of the accessibility of education at university level through micro-certificates, the safety of distance learning and the digitisation of activities directly related to the provision of educational activities and administrative tasks associated with the study agenda (C). The implementation of the project plan, which involved the staff of the rector's office(s) and faculty departments, is financed by a contribution from the state budget in **total CZK 89.3 million**. Due to the extension of the implementation of some parts, the project will be implemented at the UCT Prague until September 2024 with a subsequent five-year sustainability.

In autumn 2023, the preparation of a project plan for the UCT Prague within the framework of the Ministry of Education's call from the NRP component **7.4 Adaptation of Schools - Supporting Green Skills and Sustainability in Higher Education Institutions** was launched to support the ecological transformation and sustainability in public universities. UCT Prague will be involved in the development of newly accredited Study programmes, new courses in existing Study programmes and also lifelong learning courses that will promote green skills and sustainability. As part of the upcoming project, UCT Prague will develop its own institutional sustainability strategy and establish relevant strategic partnerships with third parties. For the implementation of the upcoming two-year project (2024-2025) from January 2024, UCT Prague may receive

up to CZK 28.6 million from the Ministry of Education, Youth and Sports in the form of a contribution from the state budget.

Student Scientific Conference 2023

The **Student Scientific Conference (SSC)** in the academic year 2023/2024 took place in November. 531 students from all four faculties, the University Centre of the University of Science and Technology Prague - Unipetrol in Litvínov and the School of Business presented the results of their research work. The students' works were divided into 72 sections according to their professional focus. Each competitor presented a short lecture to the department committee. In addition to the evaluation of the papers by committees composed of teachers of the University of Economics and Technology Prague, the students' works were evaluated and awarded with material or monetary prizes from representatives of companies from the industry. The SVK is an opportunity for students to be addressed by company representatives, but also an opportunity for coordination of interests and cooperation between academia and industry. Submitted student work that includes an analysis by gender and/or sex in the research topic may also be considered for the Julie Hamáčková Prize in the Student Work of the SVK category. In 2023, four works were awarded the prize.

Awards for students of UCT Prague

The high quality of student work at all levels of study at UCT Prague is evidenced by the many awards students receive each year for their bachelor's, master's and doctoral theses as well as for the presentation of their involvement in research activities at international conferences.

In the 26th edition of the **Werner von Siemens Prize**, an expert jury selected the best works in the fields of engineering and natural sciences. Among the TOP 10 best diploma theses, UCT Praha was represented by **Ing. Tomáš Příbyl** with his diploma thesis "*Polymer and nanoparticle photosensitizers for anti-cancer therapy*", with which he took the eighth place in the national selection. The supervisor of the thesis was **Assoc. Prof. Jaroslav Zelenka, Ph.D.** (Department of Biochemistry and Microbiology, FFBT). Among the TOP 10 best dissertation theses, **Ing. Michaela Plevová, Ph.D.** with the thesis "*Catalyst coated membranes for alkaline water electrolysis*", whose supervisor was Assoc. Prof. Ing. Jaromír Hnát, Ph.D. (Department of Inorganic Technology, FCT). Among the TOP 6 graduate theses dealing with Smart Infrastructure and Energy was also the thesis of **Ing. Kamil Severa** "*Preparation of plasmon active nanoporous electrodes with catalytically active TMDC layers for water splitting in photo-electrochemical mode*" led by Prof. Ing. Václav Švorčík, DrSc. (Department of Solid State Engineering, FCT).



The Via Chimica 2023 Prize, awarded to talented university chemistry students by the Experientia Foundation in cooperation with the Learned Society of the Czech Republic, was awarded in May to **Bc. Ondřej Daněk** (FCT) for his excellent bachelor thesis entitled "*Synthesis of quinolone-based DC-SIGN inhibitors.*" In his thesis, he designed and synthesized small molecules that can prevent the HIV virus from attacking our immune system. Ondřej Daněk

convinced the committee of the quality of his independent scientific work on a modern and socially important topic. However, he also impressed with the wide range of his other related activities, whether it be a stay abroad, an internship in a company or the popularisation of science. Along with the award, he received a financial contribution from the Experientia Foundation.

PhD student **Ing. Dominik Andreides** (Department of Water Technology and Environmental Engineering, FET) won the first place in the **French Embassy in the Czech Republic's Make Our Planet Great Again - Environmental and Climate Research Award, which** the Embassy and BNP Paribas jointly **awarded**. This prize aims to reward the research work of Czech students in the field of climate change, environment and sustainable development. Each year, dozens of candidates from all over the country apply for the competition, who are first selected by their institutions and then present a defence of their work to a jury of Czech and French experts. The winners will receive financial support and the first two will also have the opportunity to complete an internship in a research laboratory in France.

In July in Lyon, within the Conference of the European Ceramic Society (ECerS 2023), the Student Speech Contest 2023 took place, in which the third place went to PhD student **Ing. Anna-Marie Lauermann** (Department of Inorganic Chemistry, FCT) with her talk "*Reactive magnesia-based composites.*" From hundreds of candidates, 22 participants were nominated for the final round of the competition in the national rounds organised by the national ceramic societies.



In October 2023, the Czech Meat Processors Association organized the XIIIth Meeting 2023 meat industry meeting and conference in Brno, which brought the latest information from the meat processing industry. The evening traditionally included an industry awards ceremony. **The award for the best dissertation in**

meat processing for 2023 went to Ing. Filip Beňo, Ph.D. (Department of Food Preservation, FFBT). The topic of his dissertation was focused on *"Quality evaluation of meat and meat products"*.

At the meeting of the members of the Czech Association for Financial Management at the end of November, the results and awards of the seventh year of the prestigious **competition of diploma theses in the field of corporate finance, controlling and accounting**, which connect the student and business sphere, **FINdiplomka**, were announced. The first place went to **Tomáš Hortlík** (School of Business) with his thesis *"Design of a complex methodology of calculations in a large manufacturing company"*. The work was created under the supervision of **Assoc. Prof. RNDr. Ing. Hana Scholleová, Ph.D.** (School of Business).

In the 10th year of the **Crytur Prize** for the best diploma thesis in material sciences, 43 diploma theses were submitted by students from 11 universities, 16 of which were from UCT Prague. The competition is always between a student and his/her supervisor, because the role of the supervisor is irreplaceable from the point of view of the competition sponsor - the supervision of the thesis determines its quality, the results achieved and the possibility of publication. The level of work, innovativeness and applicability of the results in practice were evaluated. The evaluation committee consists of researchers from Crytur spol. s r.o. The awards were presented in December at the sponsor's registered address. The second place went to **Ing. Tomáš Příbyl** with his work *"Polymer and nanoparticle photosensitizers for anticancer therapy"*. His supervisor was **Assoc. Prof. Ing. Jaroslav Zelenka, Ph.D.** (Department of Biochemistry and Microbiology, FFBT). The third place went to **Lukáš Kamenský** for his thesis *"Controlled drug release from magnetoliposomes"*, whose supervisor was **Ing. Denisa Lizoňová, Ph.D.** (Department of Chemical Engineering, FCE). The competition jury also awarded two **honorable mentions**, both of which also went to UCT Prague. The first one was awarded to **Ing. Klára Odehnalová** for her thesis *"Study of mixtures permeation through a liposomal membrane"* with supervisor **Ing. Aleš Zadražil, Ph.D.** (Department of Chemical Engineering, FCE) and the second one was given to **Ing. Lukáš Koláčný** for the thesis *"Complex study of microstructure of heterogeneous materials by combination of scanning and transmission electron microscopy"*, whose supervisor was **Ing. Martin Veselý, Ph.D.** (Department of Organic Technology, FCT).

The **Zdeněk Herman Prize 2023** for the dissertation *"Photoemission spectroscopy of liquids"* was awarded in December to **Bc. Ing. Lukáš Tomaník, Ph.D.** (Department of Physical Chemistry, FCE). The thesis supervisor was **Prof. RNDr. Bc. Petr Slavíček, Ph.D.** The prize was awarded for the tenth time and ceremonially presented by the Chairman of the Board of the Resonance Foundation, **Assoc. Prof. Michal Fárnik** from the J. Heyrovský Institute of Physical Chemistry. The award for the best doctoral dissertation supports students in the fields of chemical physics and mass spectrometry.

Facilitating the transition between secondary and higher education

Cooperation with secondary schools has traditionally been focused on secondary school teachers and students at UCT Prague. The activities are aimed at enriching and improving the quality of chemistry teaching in secondary schools, introducing university studies at UCT Prague to applicants for study, supporting their decision-making when choosing a suitable Study programme and, last but not least, also at presenting the requirements for their knowledge and skills needed to successfully start studying at UCT Prague. These activities are continuously developed and improved. They are financially supported, among other things, by the Strategic Management Support Programme for Universities.

The new project **3U - Teachers Teach Teachers**, organized by UCT Prague, is a comprehensive activity for secondary and primary school teachers responding to their interest to learn, inspire and improve. It aims to teach chemistry differently - in a fun, contextual way and with an emphasis on its practical application. The project has four main activities. The traditional **Autumn Chemistry Teachers' School**, where teachers share their knowledge, experience and teaching tips once a year. Regional **Chemistry Centres** enable teachers to meet on a monthly basis. In 2023, five new centers were added to the ten existing centers. Starting in September, UCT Prague publishes a monthly newsletter, **Inspiration**, which offers concrete suggestions for experiments throughout the school year. The University has received accreditation for the follow-up Master's degree study programme in Chemistry Teaching for Secondary Schools and has established the **3U Junior Club** to facilitate communication between seasoned teachers and recent graduates in chemistry teaching. The project is financially supported by the Experientia Foundation and the ORLEN Unipetrol Foundation.



The **Modern Chemistry Hour** project was awarded **the silver cup** in the **Euprio Award 2023** competition for the best communication project at the European Association of Professionals in Communication in Higher Education EUPRIO 2023 conference in Vienna in August. The Modern Chemistry Hour is one of the most important activities of the Prague University of Technology aimed at primary and secondary school students. It is a comprehensible and engaging explanation of chemistry, its latest trends, and above all practical applications, without which our everyday life cannot do without. Its aim is to popularise modern chemical disciplines and to emphasise their importance even to those whose life path does not consist in the study of natural and technical sciences. The scenarios are focused on the areas of research in which UCT Prague is involved and are full of fun but didactic experiments. The project is free for schools and is fully funded by UCT Prague with significant support from industrial partners such as Spolchemie and Synthomer. ORLEN Unipetrol has been the most important partner of the Modern Chemistry Hour, contributing to its financing since its inception.

With the contribution of the University Centre of UCT Praha - Unipetrol, the ChemShow was held in May in the Town Hall Park with the support of the city of Most and in cooperation with Orlen Unipetrol. The educational and popularization event was aimed at 8th grade pupils of Most primary schools and its aim was to introduce them to chemistry in a fun and interactive way. They had the opportunity to observe and partially try out chemical experiments that cannot be performed in the regular school curriculum.



Developing the professional profile of the study and strengthening its prestige (MEYS SP2021+: 1D)

Polish Ambassador visited UCT Prague

In April 2023, UCT Prague welcomed the Polish Ambassador Mateusz Gniazdowski, who discussed with the school's management the possibilities of **deepening Czech-Polish scientific cooperation**, the university's long-standing partnership with ORLEN Unipetrol, and the newly accredited Study programmes Industrial Chemistry (Bachelor's degree) and Chemical Technology Engineer (follow-up Master's degree) at the University Centre Litvínov UCT - FS ČVUT - ORLEN Unipetrol. *"The visit of Mr. Ambassador was an important step towards strengthening the partnership between our University and Polish academic institutions,"* commented Professor Michaela Rumlová, Vice-Rector for External Relations and Communication at UCT Prague. In addition to the university management, representatives of the university's strategic partner, ORLEN Unipetrol, Katarzyna Woś and Tomáš Herink, and Daniel Piekarski, First Secretary of the Political and Economic Unit of the Embassy of the Republic of Poland, were present.

Our students at the conference in the Senate of the Parliament of the Czech Republic

In October, Jitka Seitlová, Vice-Chairwoman of the Senate of the Parliament of the Czech Republic, and the Senate Standing Committee on WATER-DROUGHT held a conference *on the impacts of climate change on water resources and the provision of water management services* at the Wallenstein Palace in Prague. Participants included the Minister of the Environment Mgr. Petr Hladík, Minister of Agriculture Mgr. Marek Výborný and a number of experts in the field of water management. They discussed hot topics in the field of water resources, drinking water quality, water in the landscape and new directions of legislation in relation to the EU. **Prof. Jiří Wanner, DrSc.** (Department of Water Technology and Environmental Engineering, FET) presented a paper on the topic of wastewater treatment in the Czech Republic. The conference was attended by a large group of members and students of the Department of Water Technology and Environmental Engineering (FET). Our students were warmly welcomed by the Senate representatives at the conference as future highly qualified experts in the field.

Support for building infrastructure for interactive learning methods and integration of learners (MEYS SP2021+: 1E)

Infrastructure development projects under the OP

Three infrastructure projects implemented from **the OP RDE** with a focus on the modernization and building of infrastructure facilities for teaching in accredited bachelor's and master's degree programmes at UCT Prague (project **"POSTUP"** from the call OP RDE Support for the development of the learning environment at universities; project **"Infrastructure for the Priority of UCT Prague"** from the EFRR call for HEIs; project **"Infrastructure for CHEMPRAX"** from the EFRR call for HEIs II) were already in the five-year sustainability phase in 2023, during which sustainability reports are submitted to the provider once a year. The sustainability of the projects will be phased out between 2025 and 2028. The majority of the funds between 2017 and 2022 were spent on the acquisition and modernisation of infrastructure equipment for studies at UCT Prague.

In the last quarter of 2023, the preparation of project applications for the **OP JAK** EFRR Call for HEIs–Quality and EFRR Call for HEIs–Students with specific needs from OP JAK, which will be submitted at the beginning of 2024, was initiated with the aim to support the infrastructural facilities at UCT Prague and to increase the quality of teaching of Study programmes. For the submitted projects, UCT Praha will be able to request funds up to a maximum total amount of CZK 325 million.

2 Improve the availability and relevance of flexible forms of education

Increasing the use of distance learning methods in full-time Study programmes (MEYS SP2021+: 2A)

Pedagogical internal grant agency

Within the framework of the internal grant agency of UCT Prague, category C - competition for pedagogical projects of students and academic staff (**PIGA**) was announced again in 2023. The focus of the submitted **pedagogical innovation projects (type C1)** was mainly oriented towards the innovation of courses of existing Study programmes (e.g. The main focus of the project was the innovation of existing Study programmes, the creation and innovation of study aids and other multimedia materials for students and academic staff of UCT Prague and students and teachers of secondary and primary schools. **Out of 52 projects submitted, 38 projects were selected for support by the school-wide grant committee for pedagogical projects.** The funding of PIGA 2023 was from the own resources of UCT Prague in the amount of CZK 6.2 million.

Top sport and studying at UCT Prague

It is not easy to combine top level sports with demanding studies at UCT Prague. That is why UCT Prague joined the UNIS project, which was established by the MEYS of the Czech Republic to **support university athletes**. A total of 8 students from UCT Praha have been selected for UNIS in 2023. These students received scholarship support, which made it easier for them to focus more on their studies and sports training, and they had the opportunity to use the facilities and methodological support of the VICTORIA resort centre, which, among other things, introduces modern methods into training and ensures the competitiveness of the national team at the international level through the latest knowledge in the field of sport. The UNIS project supported bachelor students Kateřina Svobodová (FFBT) - cross-country skiing, Barbora Polcarová (FFBT) - football, Mikuláš Vaszi (FCE) - sailing - ILCA 7, Zuzana Štěpánková (FCE) - rowing and students of the follow-up master's studies Daniel Maxa (FFBT) - floorball, Martin Jánský (FFBT) - athletics 110 m hurdles, Michaela Baudyšová (FCT) - curling and Jan Mrkous (School of Business) - beach volleyball. The number of electronic study aids available to students at the UCT Prague also makes it easier for time-pressed athletes to manage their studies.

Development of the offer and innovation of methods of flexible forms of education, including online education (MEYS SP2021+: 2B)

Sustainability and sustainable management

In November, the Valdštejn Palace hosted the expert seminar Sustainability and Sustainable Development, organised by **the School of Business** of UCT Prague in cooperation with the Committee for Territorial Development, Public Administration and Environment of the Senate of the Parliament of the Czech Republic. The first part of the expert seminar programme included an introductory lecture on the current view of sustainability, presented by **Prof. Jaromír Veber** (School of Business). The second block of lectures brought, for example, a look at carbon footprint calculations and their use in practice and the role of the

circular economy in contemporary sustainability efforts or specific experiences with sustainability presented by representatives of industrial companies. The seminar was attended by representatives of universities, practitioners and students. The seminar culminated with the launch of the book *"Sustainability and Sustainable Management"* by Prof. Jaromir Veber and Assoc. Lenka Švecová (both School of Business). The publication presents a rich spectrum of information and knowledge, which is initially of a general nature, but gradually focuses mainly on the area of entrepreneurship, which plays a key role in the path towards sustainable development. The aim of the author's team was to create a book that will appeal to readers from different spheres, whether they are secondary school and university students, MBA trainees or participants in various qualification and retraining courses. The book is also aimed at practitioners who have or are planning to implement, operate or improve a sustainability management system.

Startup Essentials course

As part of the offer of lifelong learning courses for students of UCT Prague, primarily for PhD students, the **Startup Essentials** course was offered in 2023. The course is aimed at students interested in creating their own business, students interested in social innovation and the role of corporate innovators (intrapreneurs). It is designed for those who want to gain a first insight into how to create a new venture and for those who want to deepen their entrepreneurial skills. During the course, students will gain insight into user research, finding a place in the market, creating a business model and making a first presentation to investors. Students will gain exposure to experts and other student teams. The best teams will have the opportunity to develop their idea in an international incubator. Upon completion of the course, students will receive a foreign certificate to communicate their knowledge and skills acquired during the course. Teaching is done in a combined form - self-study (online courses), online meetings with other teams and experts, face-to-face or online teamwork. The 60-hour course, sponsored by the School of Business, is taught in English. Improving department language skills is thus another benefit of the course. In 2023, 5 runs of the course were implemented with 20 students participating.

3 Increase the efficiency and quality of doctoral studies

Strengthening the quality, openness and internationalisation of doctoral studies (MEYS SP2021+: 3C)

Summer School of Medicinal Chemistry 2023

At the turn of July and August, the ninth annual medicinal chemistry summer school called **Prague-Weizmann Summer School in Drug Discovery&Development** took place in Rehovot, Israel. PhD students and postdocs from 26 countries participated in the event. The lectures were provided in equal parts by the IOCB Prague, UCT Prague and the Israeli Weizmann Institute of Science. In addition to the capacities from the academic sphere, there were traditionally also employees of large pharmaceutical companies such as Pfizer, AbbVie, NeuroDerm, Solgate or Anima Biotech. The aim of the summer school is to better prepare students for the activities related to the development of new drugs - working in scientific laboratories, raising the necessary financial resources or building collaborations with pharmaceutical companies, so that they can compete in the competition that prevails in practice. Another topic was the important role of

a well-established system of transferring the results of scientific research into practice, the so-called technology transfer.

Improving conditions for successful studies, including support for reconciling studies and family life, and strengthening the social integration of doctoral students (MEYS SP2021+: 3D)

Definition of the status of doctoral students

In 2023, there was an active discussion across faculties and campus-wide departments within **the PGS 2022+ working group**. Initial options for changes in doctoral studies were prepared and a legal analysis of possible changes in relation to the conditions of existing accredited doctoral programmes was prepared. A new **website on doctoral studies** (phd.vscht.cz) between was finalised in cooperation the Research and Technology Transfer Office and representatives of doctoral students, covering all aspects of doctoral studies, including life situations that may arise during doctoral studies. A [Survival Guide for Doctoral Students](#) has been prepared to help doctoral students navigate the expectations of their studies, including an overview of the steps involved in their studies and guidance on how to implement them to avoid unwanted situations.

As part of the further development of **the Doctoral School**, the *Data Stewardship* course has been implemented and a comprehensive *Supervision for Supervisors* course has been prepared and will take place in Q1 2024.

Within the framework of the membership of UCT Praha in **PRIDE Network** (The Association for Professionals in Doctoral Education), **Mgr. Mili Losmanová** (Research and Technology Transfer Office) joined a working group on **doctoral student onboarding** with the aim to write a publication on onboarding with focusing on doctoral students and postdocs and their adaptation process at the university. Firstly, UCT Prague conducted a questionnaire survey to find out about onboarding itself, whether and how many people have already encountered it and what they would welcome on campus. The questionnaire was followed by meetings with recruiters from the private sector in order to find out how onboarding takes place in private companies and how UCT Praha can use their know-how and experience. The collected materials and interviews with HR specialists were used to create [an Adaptation Plan for incoming PhD students](#), which was piloted from September 2023 at a total of three institutes of UCT Prague. The resulting Adaptation Plan in Czech and English, published on the PhD website, will be used for the needs of supervisors and newly entering PhD students at UCT Prague and will also be made available within the PRIDE network to other European universities.

Infrastructure equipment for PhD students from OP JAK

Since April, the implementation of the project "*Equipment for Ph.D. students at the University of Science and Technology Prague (Equip PhD)*" supported by the OP JAK call Development of infrastructure facilities for doctoral study programmes was launched. The aim of the project is to provide modern and high quality equipment for students of accredited PhD programs at all four faculties of UCT Prague. The objective will be achieved by renovating, expanding and acquiring new instruments and software for the scientific research laboratories of the DSP students. The implementation of the project, whose total eligible

expenditure has been approved in the amount of CZK 175 million, will be carried out in accordance with the requirements of the project. It is planned to be completed by September 2025. This will be followed by a five-year sustainability period.

Zkumavka children's corner celebrates 10 years of existence

In February, UCT Prague celebrated the 10th anniversary of the opening of the Zkumavka Children's Corner. The corner was created with the financial support of the EU and is intended for children of the university's employees and students. It focuses on short-term babysitting to enable parents to engage in the work or study process even if they cannot have their child placed in a nursery or kindergarten. Over 200 parents and almost 300 children have used the services of the children's corner during its operation. The name Zkumavka was chosen in a university poll, in which it clearly won over the other proposals, which were Chemicčka or Baňka.

The tube can be visited by children from the age of two. It is open from Monday to Friday, excluding school holidays. In its ten years of operation, The Test Tube has only been closed for painting and during the covid-19 pandemic. However, even during this time it has tried to maintain contact with children through distance activities on social media.



4 Strengthen strategic management and effective use of R&D capacity in universities

Completion of a comprehensive transformation of the environment and the setup of R&D&I processes at UCT Prague (MEYS SZ2021: 4A)

Initiation grants

In the announced call for three-year **initiation grants** with support from the Dagmar Procházková Fund in 2023, support was awarded to the projects of **Ing. Martina Pitínová, Ph.D.** (Department of Organic Technology, FCT) entitled "*Preparation and characterization of single-atom metal catalysts using 2D materials as the supports and their utilization in hydroformylations*" and **Ing. Vít Svoboda, Dr. sc.** ETH Zurich (Department of Physical Chemistry, FCE) with the title "*Probing Chiral Dynamics on Femtosecond Timescales*". Each grant will be funded with a total annual amount of CZK 2 million per calendar year, of which CZK 1.4 million will be funded from the Fund's university-wide resources and the rest from the resources of the researcher's department/faculty. Successful implementation of the initiation grant promises the applicant the creation of an independent research direction at the UCT Prague. An eligible

applicant for the grant is a researcher with international experience who has obtained a Ph.D. degree within the past eight years, has not been employed at UCT Praha for more than one year prior to the grant application, and has not received an initiation grant in the past.

The success of the spin-off of UCT Praha in the Food Accelerator Network

Spin-off of UCT Praha **MarbleMat**, founder Ing. Ondřej Rychecký, Ph.D. (Department of Chemical Engineering, FCE), has been selected to the group of successful start-ups in the EIT Food Accelerator Network 2023, in the Food as Medicine category. The technology, which is the subject of commercial activity, consists in the encapsulation of liquid oil beads in pharmaceutical and food applications. More than 400 start-ups were put through a rigorous and comprehensive evaluation process to assess the innovation potential of the submitted start-ups, their commercial viability and the positive impact of the technology on the food system.

UCT Prague co-founder of Prague.bio

In September, UCT Prague, together with the Institute of Organic Chemistry and Biochemistry of the CAS, i&i Prague (a subsidiary of IOCB Prague), the Institute of Biotechnology of the CAS, the Institute of Microbiology of the CAS, and the Institute of Molecular Genetics of the CAS, became a founding member of the **Prague.bio industry association**. The association plans to connect science and business through intensified cooperation between scientific research institutions and commercial partners in order to accelerate the development of new drugs, diagnostics and other successful projects that will help finance Czech science. The Prague.bio biotechnology cluster is open to all important entities in the Czech Republic involved in the development of drugs, diagnostics and other medical technologies, whether they are universities, research institutes, incubators, transfer centres, start-ups, investors, industrial companies or representatives of state and regional administration. Funding for the cluster will be a combination of member contributions, public resources and money from sponsors and other partners. In fulfilling its mission, Prague.bio wants to be inspired by the success stories of Czech scientists such as Professor Holý and Professor Wichterle, among others.

Support for Open Access publishing at the University of Technology Prague

Also in 2023, UCT Praha offered its authors **central financial support to cover the costs of publishing departmental articles in Open Access mode**. As usual, the contribution from this fund was primarily intended for publication in Gold OA journals. However, from 2023 onwards, authors could also publish in selected hybrid titles of the most important relevant publishers, completely free of charge.

Free OA publishing in predominantly hybrid titles was made possible by negotiated consortium transformation agreements. Thanks to these agreements, authors with affiliation to the University of Science and Technology Prague were able to draw so-called tokens. One token allows free access to one article in Open Access mode. The number of tokens allocated to UCT Praha in 2023 proved to be sufficient. 105 tokens were used, with a total value of close to CZK 7.9 million.

For publication in Gold OA titles, the authors benefited from financial support provided by a centralized fund. The average amount of support was CZK 30 thousand per article. The amount of support was variable and depended on the internal standards of individual faculties. In this way, 46 articles were financially supported for a total of more than CZK 1.2 million. Almost 50% of the Fund's financial resources were used.

Compared to previous years, this is a significant decrease, precisely due to the transformation contracts concluded.

Promoting excellence and societal relevance of research (MEYS SP2021+: 4C)

Involvement of UCT Prague in successful projects of Top Research

Researchers from UCT Praha have succeeded in the Top Research Challenge from OP JAK. The aim of the Top Research Challenge is to support research of an interdisciplinary nature with a high potential for the creation of cutting-edge and future applicable research results, research based on an excellent research team and the development of international cooperation between research organisations. The implementation of the activities supported by the call should contribute to the increase of the international involvement of Czech research organisations, to the intensification of the production of cutting-edge (and potentially applicable) research results and to the development of the competitiveness of the Czech Republic. Eight of these projects received financial support from the provider. The role of the grant recipient and coordinator is played by UCT Praha in the project *"Energy Conversion and Storage"*, whose expert guarantor is **Prof. Dr. Ing. Karel Bouzek** (Department of Inorganic Technology, FCT). For the project with total eligible expenditure of CZK 488.8 million 4 other partners are involved. Researchers from UCT Prague participate in another 7 supported projects as co-investigators - partners with financial contribution. The research groups of **Prof. Dr. Ing. Dalibor Vojtěch** (Department of Metallic Materials and Corrosion Engineering, FCT), **Ing. Nikola Slepíčková Kasálková, Ph.D.** (Department of Solid State Engineering, FCT), **Prof. Ing. Zdeněk Sofer, Ph.D.** (Department of Inorganic Chemistry, FCT), **Prof. Ing. Ondřej Jankovský, Ph.D.** (Department of Inorganic Chemistry, FCT), **Prof. Ing. František Štěpánek, Ph.D.** (Department of Chemical Engineering, FCE) and **Prof. Dr. Ing. Martin Vršata** (Department of Physics and Measurements, FCE) and **Prof. Dr. Ing. Josefa Krýsa** (Department of Inorganic Technology, FCT). The cumulative financial support from these projects for UCT Prague amounts to CZK 588 million in the following years.

JUNIOR STAR grants at UCT Prague

JUNIOR STAR Grants, announced by the Grant Agency of the Czech Republic (GACR), are intended for excellent young scientists up to 8 years after obtaining their Ph.D. who have already published in prestigious international journals and have significant international experience. Thanks to the five-year project with the possibility to draw up to 25 million EUR. They will have the opportunity to become scientifically independent and possibly establish their own research group, which can bring new scientific topics to Czech science. From the JUNIOR STAR 2023 call, four projects have been implemented at the UCT Prague since 2023. The project *"High-strength and water-resistant MOC composites with secondary fillers: contribution of 2D carbon nanomaterials and their combinations"* **Assoc. Prof. Ing. Ondřej Jankovský, Ph.D.** (Department of Inorganic Chemistry, FCT), the project *"Development of actin polymerization inhibitors as potential migrastatics"* by **Mgr. et Mgr. Pavla Perlíková, Ph.D.** (Department of Organic Chemistry, FCT), project of **Ing. Ctirad Červinka, Ph.D.** (Department of Physical Chemistry, FCE), entitled *"Development of ab initio modelling for disordered molecular semiconductors"* and the project *"Tailored low-dimensional layered materials beyond graphene and their use in basic research of heterogeneous catalysts"* by **Ing. Martin Vesely, Ph.D.** (Department of Organic Technology, FCT).

In the JUNIOR STAR 2024 competition, the results of which were announced by GACR at the end of 2023, among the supported projects was **Ing. Vít Svoboda, Dr. sc. ETH Zurich**, who will be working on the project "*Study of chiral dynamics on femtosecond time scales*" at the Department of Physical Chemistry (FCE) at the UCT Prague from 2024 after years of working abroad.

Awards and achievements in scientific research

In September, at the festive Evening with Czech Chemistry, **Assoc. Prof. Ing. Bohumír Dvořák, CSc.** (Department of Organic Technology, FCT) was awarded **the Personality of Czech Chemistry**. Professionally, he focused on the development, production and study of the properties of metal support catalysts, mainly based on copper and cobalt. His most notable achievements were in the development of industrial catalysts, an area that brought him great recognition in the application sphere and more than fifty years of cooperation with industrial enterprises - a catalyst producer in Litvínov and an amine producer in BosrsodChem MCHZ. Within the framework of this cooperation, for example, he prepared the basis for the copper catalyst production plant, whose trial operation was started in 1989 in CHZ Litvínov and whose products have been applied for more than 30 years in the aniline production plant in BC-MCHZ Ostrava and since 2005 also in the Tokuyama plant in Japan.

In October, on the occasion of the national holiday, the President of the Czech Republic, Petr Pavel, awarded state honours to personalities of science. **The Medal of Merit 1st degree** was awarded to **Ing. Hana Dvořáková, CSc.** (Central Laboratories) for services to the state in the field of science. Hana Dvořáková worked in the past at the Institute of Organic Chemistry and Biochemistry of the CAS and was involved in the development of antiviral drugs in Antonín Holý's team. She invested the funds raised from the share of royalties on antiviral drugs in the Experientia Foundation, which supports talented scientists.

The Association of Corrosion Engineers (AKI) awarded **the Milan Pražák Award** for 2023 to **Assoc. Prof. Ing. Jan Macák, CSc.** (Department of Power Engineering, FET). The award was presented at the AKI Corrosion and Corrosion Protection of Materials Conference in November. AKI awards this prize to individuals with significant and long-lasting contributions in the field of corrosion engineering, corrosion protection or scientific knowledge in the field of corrosion from the academic, research or application sphere. Associate Professor Macak has long been involved in the resistance of materials in power plant environments, contributing to the understanding of surface layer behaviour and the development of in situ electrochemical measurements under extreme conditions of high temperatures and pressures. He has long collaborated with experts and practitioners from CV Řež, s.r.o., ČEZ, a.s. and ÚJP Zbraslav, a.s. and with scientists from Finland, the Netherlands, Belgium, Germany, Great Britain and other countries. Within AKI, he contributes to teaching in the Corrosion Engineer course, cooperates on research projects and contracts with members of the association and is a regular participant and co-organizer of the AKI conference. In addition, he is actively involved in the sister European Corrosion Federation, where he is a member of WP4 Nuclear Corrosion, and also contributes significantly to the work of the ECG-COMON (European Cooperation Group for Corrosion Monitoring of Nuclear Materials) expert group, where he serves as a member of the Executive Research Committee.

Honorary recognition of the President of the Grant Agency of the Czech Republic is awarded annually to only ten researchers of projects funded by the GACR. In 2023, two scientists from UCT Prague received it. In June, **Prof. Dr. Ing. Karel Bouzek** (Department of Inorganic Technology, FCT). The aim of the project was to gain a deeper understanding of the complex problem of the reduction-oxidation processes of phosphorus

oxoacids on the platinum surface under conditions corresponding to the operating conditions of a high-temperature fuel cell with a proton-conducting polymer membrane, and thus to help optimise its application. Partners from Germany - the Helmholtz Center in Berlin and the Technical University of Bayreuth - collaborated on the project. For the excellent results of the project *"Organic photoredox catalysis in reductive transformations: a new area for flavin derivatives"* received an honorary recognition of the President of the GACR also **Prof. Ing. Radek Cibulka, Ph.D.** (Department of Organic Chemistry, FCT). Prof. Cibulka is trying to lay the foundations for new methods for photochemical reductions, which could allow us to replace toxic or precious metals in some chemical syntheses in the future. His research has brought us closer to the possibility of carrying out reductions in organic synthesis in a more environmentally friendly way using light and simple organic compounds commonly found in the cells of living organisms, which we call flavins. He collaborated on the project with colleagues at the University of Regensburg.

Traditionally, on the occasion of the November National Day, the **Josef Hlávka Medal** awarded by the Josef, Marie and Zdeňka Hlávka Foundation was received by **Prof. Ing. Václav Janda, CSc.** (Department of Water Technology and Environmental Engineering, FET). The Josef Hlávka Medal is intended for the founders and other important personalities from Czech public universities, Czech science and art in recognition of their lifetime work for the benefit of Czech science, art and education.

The winner of the prestigious **Alfred Bader Prize for Organic Chemistry** (CAB-I) was **Ing. Bronislav Jurásek, Ph.D.** (Department of Chemistry of Natural Compounds, FFBT), assistant professor in the Laboratory of Forensic Analysis of Biologically Active Substances, for the set of papers *"New Psychoactive Substances, Synthesis and Study of Properties"*. The Alfred Bader Prize for Organic Chemistry was established in 1994 by Alfred Bader, a chemist of Czech origin, philanthropist and founder of Aldrich, and was supplemented in 2002 by a prize for Bioinorganic and Bioorganic Chemistry. These prestigious prizes are awarded annually by the Czech Chemical Society to reward and recognise two Czech scientists under the age of 35 for outstanding research achievements in organic chemistry and bioinorganic and bioorganic chemistry.

UCT Prague will participate in 7 National Centres of Competence

In the call of the Technology Agency of the Czech Republic (TACR) for support of applied research, experimental development and innovation **National Centres of Competence** funded by the NRP, UCT Praha is involved in 7 supported projects. The purpose of the National Centres of Competence programme is to create a long-term functioning and sustainable system in which consortia of companies and research organisations will collaborate in the long term to meet the objectives of their strategic research agenda. The centres not only have the competence to address the set objectives, but will also generate further research questions and problems in sectors important for the competitiveness of the Czech Republic and will be able to competently address these problems. The results should be oriented in some way towards commercialisation. This means ideally a patent, a utility model, proven technologies, a working sample or prototypes. An important aspect is the cooperation of academic or research entities with the implementers of ideas in practice.

The project of the *"National Centre of Competence in Mechatronics and Smart Technologies for Engineering"* is focused on purely applied research in the fields of engineering, chemical technologies, new materials and medicine. It is a joint project of Brno University of Technology (principal investigator), VŠB-TU Ostrava, UCT Prague, CTU and the Institute of Physics of Materials of the CAS together with 25 commercial companies. It is divided into 12 sub-projects, with UCT Praha sponsoring one of them, which concerns 3D

printing of implants and instruments for medical applications. Financial support for the research group of **Prof. Dr. Ing. Dalibor Vojtěch** (Department of Metals and Corrosion Engineering, FCT) amounts to CZK 25 million.

The team of **Assoc. Prof. Ing. Michael Pohořelý, Ph.D.** (Department of Power Engineering, FET) is involved in the *"National Centre for Energy II"* in the research task New Progressive Technologies for Energy, which concerns decarbonization, circular economy, increasing the efficiency of transformations associated with renewable energy sources and energy storage. The specific title of the sub-task is Alternative Fuels and Decarbonisation Technologies for Energy. The research task is coordinated by CTU and also involves VŠB-TUO, ČEZ, Ventos and Veolia. On behalf of UCT Prague, the research task involves researchers from the Department of Power Engineering (FET) in addition to researchers from the Department of Solid State Engineering (FCT).

In the NCC project *"Biorefining and Circular Economy for Sustainability"*, the principal investigator for UCT Prague is **Prof. Ing. Karel Melzoch, CSc.** (Department of Biotechnology, FFBT). The project builds on the previous joint centres BIORAF and BIOCIRTECH. Thanks to this, the new centre has a wide scope. It deals with the processing of plant and animal waste and waste from various types of production. The topic of concrete recycling has been added. In addition,



biostimulants, bio-fertilisers and products that help to reduce the need for chemicals such as pesticides and herbicides are being tested. The project also touches on issues of human health or the creation of good living conditions, i.e. wellbeing. The project involves four research groups from UCT Prague, **Prof. Ing. Kateřina Demnerová, CSc.**, **Assoc. Prof. Ing. Petra Lovecká, Ph.D.** (both Department of Biochemistry and Microbiology, FFBT), **Prof. Dr. Ing. Petra Patáková** (Department of Biotechnology, FFBT) and **Prof. Ing. Jana Hajšlová, CSc.** (Department of Food Analysis and Nutrition, FFBT). The three groups address problems of microbiological or biological nature. Professor Hajšlová's group has a newly opened topic of insects as a source of nutrients and proteins, as an important food supplement today and especially in the future.

Prof. Ing. Tomáš Ruml, CSc. (Department of Biochemistry and Microbiology, FFBT) and his team at UCT Prague participate in the national centre of competence *"Personalized Medicine: Translational research to biomedical applications"*. The aim of the consortium is to search for certain drugs, test their efficacy and perhaps find drugs that are more effective and suitable for certain patient groups. The project involves the Institute of Physics of the CAS, the Institute of Physiology of the CAS, the Institute of Organic Chemistry and Biochemistry of the CAS, Charles University, Palacký University Olomouc, Masaryk University, Apigenex s.r.o. and CasInvent Pharma, a.s.

The activities of the NCC *"Recombinant Technologies for Medicine"* are divided into several subprojects, with the research team of UCT Prague, coordinated by **Ing. Roman Effenberg, Ph.D.** (Department of Chemistry of Natural Compounds, FFBT), four are relevant. The first concerns the preparation of biosensors, the others deal with recombinant vaccines, immunomodulators and thrombolytics. The consortium involves 16 subjects, of which our researchers from the Department of Chemistry of Natural Compounds (FFBT) and the Department of Analytical Chemistry (FCT) collaborate most with UJEP, Faculty of Medicine and Dentistry of Palacký University Olomouc, Nexars or the Institute of Biotechnology of the CAS. The project is a continuation of the earlier project Centre for Recombinant Biotechnologies and Immunotherapeutics (Cerebit) from the OP RDE Pre-Application Research call, which was coordinated by Faculty of Medicine and Dentistry of Palacký University Olomouc and UCT Prague was one of the partners.

The *"National Centre of Competence for Industrial 3D Printing"* has two main lines of research - Development of Innovative 3D Printing Filaments for Industrial Applications and Material Sustainability of Additive Manufacturing. The research team of **Ing. Drahomír Čadek, Ph.D.** (Department of Polymers, FCT), dealing with 3D printing, is directly connected to industry. It builds on the existing cooperation with Průša Polymers, which produces 3D printers. One of the directions of application of 3D printing in industry, which is the area in which the team from FCT Prague is involved in the NCC, is to secure against disruption of logistics chains. In the development of innovative 3D strings for use in industry, the researchers aim to create a string that has improved properties compared to currently available strings, with the team from UCT Praha in charge of the improved thermal conductivity of the string, as they already have experience with it from previous research. The NCC involves nearly 30 partners, including schools, research institutions and industrial companies.

The *"National Centre of Competence in Polymer Materials and Technologies for the 21st Century"* involves 24 institutions, most of which are from industry. The main coordinator of the project is Tomas Bata University in Zlín. The biggest topic of the centre is plastics recycling. Two research teams are involved in the project from UCT Prague. The team of **Prof. Dr. Ing. Juraj Kosek** (Department of Chemical Engineering, FCE) is trying to develop the technology of plastics recycling using solvent-based recycling. The team of **Prof. Ing. Vladimír Kočí, Ph.D., MBA** (Department of Sustainability and Product Ecology, FET) is working on life cycle assessment of polymers.

CZK 40 million forensic toxicology research

The Laboratory of Forensic Analysis of Biologically Active Substances (BAFA) has long been involved in tasks related to the forensic identification of psychoactive substances. Since 2023, a four-year security research project entitled *"New Psychoactive Substances: Forensic Toxicology Research Centre"* has been underway. The project led by **Assoc. Prof. Ing. Martin Kuchař, Ph.D.** (Department of Chemistry of Natural Compounds, FFBT) was supported by more than CZK 40 million. The project involves research teams from UCT Prague and the National Institute of Mental Health. In the grant competition of the OPSEC programme of the Ministry of the Interior of the Czech Republic, it received the highest score among the evaluated projects. New Psychoactive Substances (NPS) are pharmacologically almost unexplored xenobiotics whose use in the population is constantly increasing. *"In the course of the project, we will identify NPS using a wide range of analytical instruments and identify what substances are being sold on the internet and darknet. We will study the selected NPS in terms of pharmacokinetics, metabolic biotransformation, determine toxicity and also determine their effects on animal behaviour in animal models. For these purposes, we will synthetically prepare an extensive library of analytical standards for NPS and their metabolites,*

including selected deuterium-labelled compounds," describes Associate Professor Kuchař. The obtained data will not only serve for early identification of substances in intoxicated patients, but will also be used during the risk assessment of their risks in the legislative process not only in the Czech Republic. Furthermore, these "newly discovered" substances may hold potential for the treatment of mental illnesses, and in the course of the solution, the research teams will identify promising candidates for future medical use.

New app protects waterways from pollution

A research team from the Department of Water Technology and Environmental Engineering (FET) has developed a new digital tool for automated operational and technological measures for wastewater treatment plants (WWTPs) in collaboration with partners from the field.

The cloud-based **Water Scan Toolbox application (WST)** is built on three pillars: a predictive model of wastewater quantity and quality, a database of event scenarios for different operational states with predicted WWTP loads, and a decision matrix for selecting operational and technological measures for different events.

The purpose of the WST is to reduce operational risks, especially during periods of heavy rainfall, and to increase the efficiency of water treatment by allowing the WWTP to prepare early.



The WTS, which was developed by partners from the CTU, Prague Water Supply and Sewerage and VDT Technology, represents a significant advance in the operation and control of wastewater treatment plants. By providing predictive information on the quantity and quality of incoming waste water, the tool enables wastewater treatment plant operators to make informed decisions and take preventive measures to reduce operational risks. The use of this tool should lead to increased efficiency, improved environmental performance and reduced costs for wastewater treatment plant operators. The tool is now available to wastewater treatment plant operators and managers worldwide.

UCT Prague participated in the development of an air purifier



UCT Prague participated in the development of an indoor air purifier in cooperation with LANIK s.r.o. Within the OP EIC project Applications, which was solved at the workplace in Technopark Kralupy in the laboratory of **Prof. Dr. Ing. Josef Krýsa** (Department of Inorganic Technology, FCT), an innovative procedure was used. Foam ceramics, which are mainly used in the foundry industry, were used as a carrier for photocatalytic titanium dioxide. This

has led to a completely new application of foam ceramics as a highly active element for air purification. *"One of the results of the jointly solved project was a prototype of the Aceair air purifier, which was tested in the Technopark Kralupy according to EN 16846-1 standard, where the ability to break down a mixture of organic substances, namely acetaldehyde, acetone, toluene and heptane in a test chamber with a volume of 1m³ while monitoring the concentration of CO₂, was verified,"* said Prof. Josef Krýsa. Based on the laboratory tests, a certificate was subsequently issued by the Czech Society for Applied Photocatalysis proving the function of the purifier. The cooperation between UCT Praha and LANIK s.r.o. continues at present within another OP EIC project focused on the construction and testing of ceiling modules for air purification with photocatalytic and antimicrobial function. These modules are being tested as part of an air handling system that can be installed in standard cassette ceilings and thus achieve air purification in e.g. offices, hospitals, etc.

Development of international cooperation in R&D&I (MEYS SP2021+: 4D)

International scientific research grants

In total, 39 international scientific research projects from foreign providers were carried out at UCT Prague in 2023, including 11 projects from the Horizon 2020 programme, 15 projects from the Horizon Europe programme, 1 project from the EU4Health programme, 3 projects from the Research Fund for Coal and Steel (RFCS) programme, 1 project from the Norwegian Funds and 8 projects from other foreign providers.

Publication of an article in Nature Chemistry

In August, the prestigious scientific journal **Nature Chemistry** published a scientific paper *"Radiation damage by extensive local water ionization from two-step electron transfer mediated decay of solvated ions"* (DOI 10.1038/s41557-023-01302-1), which provides new insights into the mechanism by which X-rays damage biomolecules. The publication is the result of an international collaboration between theoretical scientists from UCT Prague and experimental scientists from Uppsala, Lund, Berlin, Hamburg and Paris. The authors of the article were **Prof. RNDr. Bc. Petr Slaviček, Ph.D.** and **Assoc. Prof. RNDr. Eva Muchová, Ph.D.** (both Department of Physical Chemistry, FCE).

EuropaCat 2023 Scientific Conference

The prestigious international scientific conference **EuropaCat 2023** took place in the Prague Congress Centre in August. *"Catalysis is one of the basic principles of green chemistry. It allows us to reduce the energy intensity of processes, increase the selectivity of reactions, and thus increase material efficiency and reduce the difficulty of product separations,"* says **Prof. Ing. David Kubička, Ph.D. MBA** (Department of Sustainable Fuels and Green Chemistry, FET), who is the chairman of the local organising committee and a member of the international organising committee. The conference was attended by over 1,700 experts from various fields of catalysis with academic and industrial backgrounds from more than 50 countries. Keynote speakers included Walter Leitner from the Max Planck Institute for Chemical Energy Conversion, Javier Pérez-Ramírez from ETH Zurich, Johannes A. Lercher from the Pacific Northwest National Laboratory and Tristan Lambert from Cornell University.

Meeting of the World Federation of Engineering Organizations in Prague

In October, the **7th World Engineers Convention** was held in Prague by the World Federation of Engineering Organizations. The local organizer of the event was the Czech Union of Scientific and Technical Societies, whose chairman was also the president of the convention. The chairman of the international and local scientific committee of the event was **Prof. Pavel Drašar, DSc.** (Department of Chemistry of Natural Compounds, FFBT). The content of the Engineering Congress focused on how engineers can contribute to the UN Strategic Development Goals, particularly in selected areas - Good Health and Human Life, Quality Education, Gender Equality, Clean Water Supply and Safe Wastewater Disposal, Affordable and Clean Energy, Industry, Innovation and Infrastructure, Sustainable Cities and Communities, and Climate Protection. The department presentations were divided into 12 thematic sessions. The Food and Water Supply section included two lectures by experts from UCT Prague - **Prof. Ing. Václav Janda, CSc.** (Department of Power Engineering, FET) and **Prof. Ing. Jiří Wanner, DrSc.** (Department of Water Technology and Environmental Engineering, FET). The event was attended by speakers and delegates from 76 countries.

Two MSCA4Ukraine grants for UCT Prague

Thanks to the support they received for two grants in the Marie Skłodowska-Curie Actions special call for Ukrainian PhD students and postdocs affected by the war, **Anna Heleveria**, a PhD student from Kharkiv University, and **Anastasiia Hubina**, a postdoctoral researcher from the Ukrainian National Academy of Sciences in Kiev, started a two-year research project in March.

Anna Heleveria's PhD project *"To link or to make? N-Heterocycles in two dimensions"* is conducted under the supervision of **Ing. Petr Kovaříček, Ph.D.** (Department of Organic Chemistry, FCT). The mentor of Dr. Anastasiia Hubina, whose project focuses on *"Development of Anion-Exchange Membranes for Hydrogen Producing"*, is **Prof. Dr. Ing. Karel Bouzek** (Department of Inorganic Technology, FCT) in collaboration with **Prof. Ing. Jan Merna, Ph.D.** (Department of Polymers, FCT).

The MSCA4Ukraine grants aim to enable PhD students and postdocs to continue their research work at host institutions, to maintain contacts with the R&D&I community in Ukraine, and to reintegrate when conditions are safe to return. MSCA4Ukraine has been allocated €25 million from the EU's Horizon Europe Framework Programme for Science and Research, with a total of 17 grants awarded to institutions from the Czech Republic.

UCT Praha awarded the prestigious MSCA Postdoctoral Fellowship and three ERA fellowships

UCT Prague has been awarded the prestigious **Marie Skłodowska-Curie Actions Postdoctoral Fellowship** (Horizon Europe), which enables postdocs to carry out their own project with an emphasis on cutting-edge research and all-round professional development. **Dr. Tomáš Sedlačík** succeeded with the project "*Development of advanced bioglass-polymer scaffolds for OSTEOCHONdral interface tissue regeneration (OSTEOCHON)*". The two-year project will be implemented from September under the supervision of **Prof. Ing. Jan Merna, Ph.D.** (Department of Polymers, FCT).

In the same call, three other projects with excellent ratings achieved the **ERA Postdoctoral Fellowship**. This is funding from the additional budget for host institutions in countries with lower participation in Horizon, the so-called Widening Countries, of which the Czech Republic is one. The successful candidates were **Dr. Anton Zverev** with "*Single-atom decorated 2D catalysts for power-to-X conversion and sustainable future*", **Dr. Payal Chauhan** with "*2D TM-LDH with low dimensions materials as flexible solid state and electrochemical supercapacitors and electrocatalyst*" and **Dr. Wenxi Wang** with "*Interfacial Electrochemistry of Carbon-based Interlayer in Lithium-metal Solid-state Batteries*".

From January 2023 to the end of 2025, the project "*Chemical Fellows V*" is implemented from the call MSCA Fellowships CZ announced under the OP JAK. The project carries out research projects that achieved high scores in the Horizon 2020 (H2020-MSCA-IF-2020 call) and Horizon Europe calls but could not be supported due to lack of funding. The project financially supports the arrival of 7 researchers from abroad to UCT Prague to carry out their 12 or 24 month project and the departure of a researcher from UCT Prague to a foreign institution to carry out a 24 month research project (+ 3 months non-academic placement).

Popularization of natural sciences and results of creative activities of UCT Prague (MEYS SP2021+: other priority objectives II. 10)

Actions to popularize science and science results

At the beginning of October, 3156 visitors came to UCT Prague as part of **the Night of Scientists 2023** event. The theme of the Night of Scientists was "Mystery". The program of the traditional popularization event at UCT Praha was prepared and organized by 160 enthusiastic scientists, high school students from the Chemistry Club, Summer Camp Phoenix and Summer Camp Běstvinka, volunteers from participating organizations and friends of the school. Visitors to the event at the UCT Prague were offered 106 programme items in Czech, 27 programme items in English, 12 department stops within tours of the school, 8 workshops, 5 labyrinth walks through the UCT Prague, 3 online programmes, 2 dogs, 2 competitions and 1 treasure hunt. The event was held with the financial support of a state budget grant from the Centralized Development Program for Public Universities of the Ministry of Education.

In June, the 11th edition of the largest outdoor science festival in the Czech Republic, **VědaFest 2023**, took place in Prague's Dejvice. It took visitors to the roots of science and, as every year, brought together scientific institutions across the country. It presented 104 exhibitions in one place. The event is a joint project of the House of Children and Youth of the Capital City of Prague. The festival has been held with the support of the Prague 6 municipality since 2011. Universities, leisure institutions and companies involved in scientific research and popularization of science exhibit at the event. VědaFest is intended for everyone regardless of age. Visitors once again had the opportunity to learn about the latest trends and discoveries

in various scientific fields. In addition to passively watching and observing, they could also actively participate in the quiz fun through instagram answers and compete for exciting prizes.

Book The Story of the Ceramics of the Hradčany Palaces

The book **The Story of the Ceramics of the Hradčany Palaces** is the work of a team of authors led by **Assoc. Prof. Ing. Alexandra Kloužková, CSc.** (Department of Glass and Ceramics, FCT). The publication was created as a result of interdisciplinary cooperation of experts from UCT Prague, the Institute of Archaeology of the CAS, the National Gallery in Prague and other specialists in the field of geology and history of the Beroun and Prague raw material sites.

The research was focused on archaeological finds recovered from the cellars and sumps of the palaces on Hradčany Square, from under the pavement of local streets, including selected artefacts from Prague Castle. It was focused on the Renaissance period, but its breadth spanned almost 7,000 years, from the Neolithic represented by hollowed-out pottery to the modern period represented by the turquoise vessel from Lumbe's garden. A significant part of the archaeological assemblage has been subjected to archaeometric analyses. The representative data obtained in this way, including detailed photographic documentation, are presented and interpreted in the form of tables, graphs and microscopic images.

The book launch took place in April in Uhelna at UCT Prague. The publication was financed by the NAKI II project of the Ministry of Culture of the Czech Republic *Technology of treatment and identification of degradation processes of ceramic finds from the Hradčany palaces - Methods of restoration and conservation of porous and sintered ceramics and porcelain.*

5 Capacity building for strategic management of higher education

Strengthening of strategic management at UCT Prague (MEYS SP2021+: 5B)

Data support

In April 2023, an updated **Employee Profile Application** (PVAP) was launched to provide managers with a basis for conducting employee evaluations, supplemented by the workflow for approving, disapproving and adding activities. To familiarize employees with the updated application, six online training sessions were conducted during the spring, as well as one-on-one consultations. Based on the insights gained and comments from employee-users, the basis for modifications and enhancements to the various form types of the application were developed, approved by management and contracted to a vendor for implementation during the fall.

The **Data Mining** Group, established within the Department of Strategic Planning, started to become known to the management of UCT Prague and the rector's office(s) by offering the processing of reports from data from internal and external sources and providing services related to questionnaire surveys. The group has established collaboration with data analysts from the Department of Mathematics, Informatics and Cybernetics (FCE) who assist with quantitative analyses of student data and visualizations, and with social science analysts from the Department of Chemical Education and Humanities who perform coding and

evaluation of soft responses in student questionnaires. A data mining information page has been set up in the internal part of the website, where data analyses created at UCT Prague are presented. Members of the Data mining group were actively involved in the preparation of the Strategic Management of the Institution activity within the upcoming ESF+ project from OP JAK.

Campus Dejvice

To promote internal cooperation, coordination and a common identity with UCT Prague, both business and informal social events are organized annually for students, employees, alumni and friends of Prague. These events also provide an ideal opportunity for the university management to reach out to a wide target group. These events include Technical Street, which in 2023 also came alive with a rich programme of cultural events, lectures and open-air workshops from mid-April to the end of September. The Vector Technical project offered a welcoming space with a café and bistro, naturally connecting the student campus with the adjacent neighbourhood. In addition to UCT Prague, five other institutions involved in the Kampus Dejvice platform are behind Vektor Technická - CTU, CTF Charles University, Prague 6 Municipal District, NTL and IOCB Prague. Their goal is to make the Dejvice campus more attractive and to connect student, scientific and social life in a natural and entertaining way.



Other social and sporting events are also held annually on the Dejvice Campus. The season of Vektor Technická opened in April with the traditional Cross Campus relay race and the International Day festival celebrating the international community at the Dejvice Campus. Other events traditionally included the Sakura Blossom Celebration in Technical Hanami Street and the Kampus Fest microbrewery festival.

UCT Prague joins the European Sustainable Development Week

With an afternoon program at the Department of Sustainability and Product Ecology (FET) in Jankovcova Street, UCT Prague joined **the European Week for Sustainable Development (ETUR)** in September. The program included a student passport ceremony and a mosaic of short lectures on the topic of Sustainability in practice, in science and in everyday life. It was the first time that Czech public universities joined ETUR. Various events and lectures on sustainability were held, canteens prepared vegetarian meals, students implemented swaps or exchanges. A list of events promoting sustainable development at universities was listed on the unilead.muni.cz website. Almost all public universities were involved in UNILEAD I and II projects supported by funds from the Centralised Development Programme of the Ministry of Education, Youth and Sports, coordinated by Masaryk University. The common subject of the projects were activities for the implementation of the UN Sustainable Development Goals (SDGs). The knowledge and experience from the implementation of these projects was also used by the University of Applied Sciences in Prague to draft the concept of the upcoming Sustainable University Strategy, which was presented by the university management to the academic community before the end of the year. The development of the Sustainable Strategy of UCT Prague will be the subject of the project activity in 2024,

supported by the NRP from the call of the Ministry of Education, Youth and Sports within the framework of the component 7.4 Adaptation of schools - promotion of green skills and sustainability at universities.

Support for cooperation and exchange of experience between universities and capacity development for strategic management at national level (MEYS SP2021+: 5C)

RONALDO platform meeting

At the end of November and the beginning of December, UCT Prague and NTL hosted a working meeting of project managers from 26 Czech public universities associated within the **RONALDO** platform. On the agenda were news about the Operational Programme Jan Amos Komenský, the NRP call for support for green skills and sustainability at universities and the Operational Programme Technology and Applications for Competitiveness. To relax the participants of the two-day meeting, the actors of the DI(v)OCH association prepared the escape game Secrets of Science as part of the accompanying programme. The RONALDO platform was originally created from the cooperation projects of public universities within the Centralised Development Programme of the Ministry of Education, Youth and Sports. However, even after the end of the financial support for the functioning of the platform by the Ministry of Education, Youth and Sports in 2020, the established communication tools are maintained and further developed, including quarterly attendance meetings. At present, the RONALDO platform plays the role of a partner for the MEYS by collecting comments, suggestions, input and experiences "together for public universities" or formulating proposals and comments for the HEI representations (CRC, CHEI) for discussion with the providers of grant instruments. The answers and solutions offered by the MEYS are again effectively shared through the communication tools of the RONALDO platform to all involved HEIs directly to the project staff.

Strengthening Strategic Human Resource Management at UCT Prague (MEYS SP2021+: 5D)

UCT Prague received the HR Award

After several years of preparation, on 4 January 2023, UCT Praha was awarded the HR Award by the European Commission for excellence in the care of its employees.

Over the next 4 years, the commitments made in the Action Plan for Further Improvement of Human Resource Management will need to be implemented. Negotiations will

be conducted across the institution with the involvement of the Rector's Office(s), faculties, School-wide departments and the Rector's Office to work together to appropriately set up HR policy processes and all HR Award related activities. The contribution of the HR Award is to open up topics that have been neglected so far for various reasons and to start a discussion in which employees from all career stages, researchers, academics and administrative staff can participate.



HR EXCELLENCE IN RESEARCH

Thanks to the quality setup of processes related to HR policy, UCT Prague can become a more attractive employer internationally and a place suitable for innovative international grants.

New professors appointed at UCT Prague

In June and November, President of the Czech Republic Petr Pavel handed over appointment decrees to professors of universities. Among the appointed professors were **Prof. Ing. Ondřej Jankovský, Ph.D.** (Department of Inorganic Chemistry, FCT) - appointed professor in the field of Inorganic Chemistry, **Prof. Dr. RNDr. David Sýkora** (Department of Analytical Chemistry, FCE) - appointed professor in the field of Analytical Chemistry, **Prof. Ing. Michal Kohout, Ph.D.** (Department of Organic Chemistry, FCT) - appointed professor of Organic Chemistry, **Prof. Ing. David Kubička, Ph.D.** (Department of Sustainable Fuels and Green Chemistry, FET) - appointed professor for the field of Chemical and Energy Processing of Fuels, **Prof. Mgr. Alexandr Malijevský, Ph.D.** (Department of Physical Chemistry, FCE) - appointed professor of Physical Chemistry and **Prof. Ing. Jakub Siegel, Ph.D.** (Department of Solid State Engineering, FCT) - appointed professor of Materials Engineering.

Rector of UCT Prague awards employees

The competition for the Julia Hamáčková Prize was established at UCT Prague in 2015 as part of the FP7 EU TRIGGER project. The aim of the prize is to encourage the consideration of gender aspects in research and pedagogical work and in activities beneficial to the development of the school and promoting equal opportunities. The prize is awarded annually in three categories. The prize winners were selected by the evaluation committee from the nominated candidates. The prizes, a diploma and a glass plaque were ceremonially presented by the Rector of UCT Prague, Prof. Dr. Pavel Matějka, at the last meeting of the Rector's Collegium in December. **The Julia Hamáčková Prize for 2023 in category a) for outstanding contribution to the development of science, research, pedagogy and innovation** was awarded to **Ing. Iva Paterová, Ph.D.** (Department of Organic Technology, FCT). **The Julia Hamáčková Prize 2023 in category b) for outstanding contribution to the development of the school and promotion of equal opportunities** was awarded to **Ing. Dana Poláchová** (Department of Chemical Education and Humanities).

The Rector traditionally uses the Rector's medals and awards as a tool to recognise the exceptional achievements and contributions of employees and students in various areas of their work at the school and their merits contributing to the development and promotion of the University of Technology Prague. **The Emil Votoček Medals** are awarded by the Rector of UCT Prague to outstanding personalities who have contributed to the development of chemistry and other departments taught at UCT Praha or to the development of cooperation with UCT Prague in the field of education, research and development through their professional or public activities. On the occasion of graduation in June in Bethlehem Chapel, 6 medals were awarded to **Prof. Ing. Alena Čejková, CSc.** (Department of Biotechnology, FFBT), **Prof. Ing. Aleš Helebrant, CSc.** (Department of Glass and Ceramics, FCT), **Prof. Ing. Václav Švorčík, DrSc.** (Department of Solids State Engineering, FCT), **Prof. Ing. Martin Fusek, CSc.** (Department of Biochemistry and Microbiology, FFBT), **Assoc. Prof. Ing. Jaroslav Hofmann, CSc.** (Department of Physics and Measurements, FCE) and **Assoc. Prof. Ing. Nina Strnadová, CSc.** (Department of Water Technology and Environmental Engineering, FET). The Rector's Prizes for 2023 were awarded by Rector Pavel Matějka in June on the occasion of the graduation ceremony and in December at the traditional Advent concert in Bethlehem Chapel. **The Rector's Award for Outstanding Independent Creative Activity** went to the PhD student **Ing. Sonia Hříbalová** (Department of Glass and Ceramics, FCT), the Rector's Prize for **outstanding contribution and support of**

UCT Prague in the field of library and information services and for the development of cooperation in the Dejvice Campus went to Ing. Martin Svoboda, Director of NTL. The Rector's Award for outstanding pedagogical activity at UCT Prague was presented to Assoc. Ing. Barbora Branská, Ph.D. (Department of Biotechnology, FFBT) and Assoc. Ing. Jan Budka, Ph.D. (Department of Organic Chemistry, FCT). The Rector's Award for outstanding results in research and successful promotion of science was awarded to Assoc. Prof. RNDr. Eva Muchová, Ph.D. (Department of Physical Chemistry, FCE) and Prof. Ing. David Kubička, Ph.D., MBA (Department of Sustainable Fuels and Green Chemistry, FET). The Rector's Award for contribution to the development of electronic publishing and OA publishing was awarded to Ing. Jiří Jiráť, Ph.D. (Department of Informatics and Chemistry, FCE & Centre for Information Services), Rector's Award for outstanding contribution to the development of UCT Prague in the field of administration was awarded to Ing. Zdeňka Pelešková (University Centre of UCT Prague - Unipetrol). Bc. Jonáš Priškin, a student of FCT, received the Rector's Award for exceptional contribution in the field of promotion and popularization of science and UCT Prague.

6 Reduce the administrative burden on university staff so that they can fully devote themselves to their mission

Simplifying the transfer of information to public administration and improving the availability and circulation of information through the continued digitisation of agendas (MEYS SP2021+: 6A)

Electronic circulation of documents

At the beginning of 2023, it was possible to start full use of the electronic tool for the circulation of some personnel documents, the so-called Workflow application, which is a superstructure of the OKbase personnel information system. During this period, more than 2 600 forms were created in the application. The next step in supporting the computerisation of the HR and salary agenda is the extension of Workflow to include a process that offers users the possibility to create a job description in the system. Work on setting up the process began at the end of the year and will continue with testing and analysing the application's functionality. Availability to users in a production environment is expected in mid-2024.

In 2023, work also started on another module of the HR system, "Business Travel". This module digitises the process of entering, approving and accounting for travel orders. The first part of the process of simpler domestic travel orders has been launched in test mode. Deployment on a pilot basis is expected in Q2 of next year.

To further reduce the administrative burden on staff, the electronic invoice approval module was tested and subsequently launched. Since October, it has been successfully deployed in pilot operation at two institutes of UCT Prague. The module covers the whole process of invoice approval, starting from invoice input, determination of financial source and electronic approval workflow. It is intended to replace the previously used "paper" invoice circulation.

7 Internationalisation

Development of global competences of students and staff of higher education institutions (MEYS SI2021+: I1)

Visiting renowned foreign experts

The hosting of foreign experts at UCT Prague contributes to the development of the internationalisation of the environment of UCT Prague. It also provides foreign experience to students and employees who, for various reasons, do not want to or cannot directly participate in foreign mobility. The measure significantly contributes to the development of language competences of students and employees of UCT Prague and secondarily enables the establishment of desirable contacts with foreign experts to further develop international cooperation at UCT Prague. With the support of a financial contribution from the Strategic Management Support Programme for Universities, in 2023 it was possible to arrange 15 **guest visits of foreign experts** in various fields developed at UCT Prague from foreign institutions in Europe and outside Europe. Thanks to the hosting, 18 full-time lectures at UCT Prague, 8 on-line lectures and 14 full-time seminars and workshops were realized. Foreign experts came from major institutions such as Ghent University, TU Munich, Wageningen University, BOKU Wien, UCLA, or University College London.

Creating an international environment at universities and promotion abroad (MEYS SI2021+: I4)

Miroslav Vlček Scholarships

At the beginning of December, the Study in Prague Consortium awarded **the Miroslav Vlček Extraordinary Scholarships** for contribution to the internationalization of Prague public universities and higher education in the Czech Republic. The Study in Prague Consortium brings together seven Prague public universities. Each university awarded the scholarship to one carefully selected student. At UCT Prague, **Bc. Megan Ashley McComb** (School of Business). Since the beginning of her undergraduate studies in 2021, she has actively participated in international events that promote UCT Prague, such as International Open Days, Counselor Tours organized by consortium Study in Prague or study fairs at international schools in Prague. Since 2022, as part of her internship, she has been working as an Admission Representative at the Study Unit of the School of Business. In this position, in addition to supporting applicants throughout the admissions procedure, she works directly with student agencies and high schools in different parts of the world, offers study advice to prospective students, and assists in organizing admissions activities in North, Central and South America. Megan is actively involved in the establishment of the international chapter of the Business Club, a student organization of the School of Business, with the goal of building a strong community to support international students while helping them develop professionally and personally.

Kyutech Autumn School

In October, the UCT Prague under the leadership of **Prof. Dr. Ing. Josef Krýsa** (Department of Inorganic Technology, FCT) and in cooperation with the Foreign Unit, the third **Kyutech Autumn School** for Japanese students from the partner institution Kyushu Institute of Technology (Kyutech) in Japan was held. The

event was a follow-up to the successful first year of the Autumn School held in October 2018 at UCT Prague and the second year organized in October 2019 at Kyutech in Japan. After a four-year hiatus caused by the covid pandemic, 14 students accompanied by two professors came to Prague from Kyutech. In addition to Prof. Krýsa, Assoc. Prof. Ing. Martin Paidar, Ph.D., Ing. Michal Baudys, Ph.D. and Ing. Šárka Paušová, Ph.D. (all of them Department of Inorganic Technology, FCT). The event also included a joint workshop where Czech and Japanese teachers and students presented their research topics, followed by an informal meeting of students and teachers at Café Carbon. The week-long programme of the autumn school also included a number of cultural and sightseeing activities for the Japanese guests.

Guided walks around Prague

As part of the development of the Welcome Office services provided to foreign students and staff from UCT Prague, the Department of International Relations organized 4 guided tours of Prague's sights in 2023 with an English guide who introduced foreign students, researchers and their families not only to specific places in Prague, but also to the history of the Czech lands. The events were very well received. Each tour was attended by around 30 people.



Strengthening the strategic management of internationalisation (MEYS SI2021+: I5)

UCT Praha coordinates the DETECT!

UCT Prague is the coordinator of the **Deep Tech Creativity (DETECT!)** project and the only coordinating organization of the European Institute of Innovation and Technology (EIT) HEI Initiative project in the Czech Republic. In addition to UCT Praha, the consortium members are University of Life Sciences Poznań (Poland), Slovak University of Agriculture in Nitra (Slovakia), National University of Shipbuilding in Mykolaiv (Ukraine), University of Vienna (Austria), Maker Institute (Czech Republic), Technological Innovation Centre Zlín (Czech Republic), and associated partners Humboldt Innovation GmbH (Germany), INiTS - Vienna's HighTech Incubator (Austria), and Bar-Ilan University (BIU, Israel). The aim of the project is to transform the

participating higher education institutions into sources of deep tech talent with entrepreneurial skills and sources of deep tech solutions translated into the market, thus becoming strong contributors and solvers of current and future challenges of European society. The consortium's vision for 2030 is to enable higher education institutions to become key players in innovation by developing an entrepreneurial culture that accelerates the deployment of "Deep Tech" solutions. Deep Tech includes fields such as robotics, advanced materials, cyber security and data protection, artificial intelligence or biotechnology and life sciences, electronics and photonics, and sustainable energy. The consortium has successfully completed the first phase of the DETECT! project in the period May-December 2023 with a financial support of EUR 349 000 from the 3rd call of the EIT HEI: Innovation Capacity Building for Higher Education.

Among the successful outputs of the first phase of the project, the consortium supported 1100 participants from students as well as academic and non-academic staff with training. A mentoring programme in both Career and Deep Tech has been developed or improved. VCHT has expanded its mentoring programme, which is now open to academic and non-academic staff. The consortium has established 5 new strategic partnerships. UCT established a new cooperation with Prague.bio, which resulted in a platform for cooperation between industry and academia. The DETECT! project has successfully provided support to a total of five start-ups, all of which are active in the Deep Tech field. UCT Praha focused on supporting two promising start-ups. The first is Galochrom, which specializes in the field of chromatography and provides innovative, customer-oriented solutions for HPLC separation, compound purification and method development. The second start-up is MarbleMat, which focuses on liquid oil bead encapsulation technology for use in pharmaceuticals, food supplements and cosmetics.

Following the positive evaluation of the first phase of the project, the implementation of the second phase of the project will continue from January to July 2024.

Investment activities

Development Plan of UCT Prague

The UCT Prague Development Plan (Generel) complements and specifies the long-term strategic plan of the university in the area of construction and investment development of UCT Prague in the time horizon of 10-20 years. One of the actions within the framework of the Generel is the construction of the administrative building of UCT Prague on Vítězné náměstí (Victory Square). The joint design of the Dutch Benthem Crouwel Architects and the Czech studio OVA won the international architectural competition for the completion of the 4th quadrant of Vítězné náměstí, including the new building of the UCT Prague. The construction of the new building of the UCT Prague will be carried out between 2027 and 2028.

In 2023, the reconstruction of a part of the laboratories (basic student laboratories for teaching biochemistry and microbiology) with an area of 214 m² costing CZK 14.644 million without VAT for Study programmes implemented by the Faculty of Food and Biochemical Technology in the premises of Building B, Technical Street. The premises vacated after the relocation of the rector's office(s) to the new premises of Building B in Zikova Street were reconstructed.

IT infrastructure

Modernization and expansion of network infrastructure

Within the Dejvice site, the structured cabling was further expanded according to the requirements of individual institutes, as well as in the context of the ongoing reconstruction of individual premises within the Dejvice campus and the building of excellent laboratories. The total investment amounted to CZK 250 thousand incl. VAT.

The fiber optic route between the data chamber located in Building B and the second data center located in a container in the courtyard of Building A of the Dejvice campus was reinforced. The total investment amounted to CZK 500 thousand incl. VAT.

Cyber security

In 2023, the teaching and testing course on Cyber Security, which was created as part of the centralised development projects of the Ministry of Education in previous years, was launched. The basic course, which was available to us as an output of this project, was adapted to the specifics of the environment of UCT Prague and subsequently made available to employees and students of UCT Prague.

During the year, two phishing campaigns were carried out by Computer Centre employees in cooperation with an external company that provides e-mail protection support (Sand box) and provides cooperation in phishing campaigns as part of these services. The results of these campaigns were evaluated and employees were subsequently alerted, briefed and trained, to increase their situational awareness of the issue and their vigilance when opening similar unsolicited emails.

HW renewal - data centres

Six servers were replaced in Dejvice, which were at the end of their service life. The total investment amounted to CZK 3 900 thousand incl. VAT.

UCT Prague 2023 in numbers

Faculties	4
University institute	1
Submitted applications for study	5 188
Students in accredited SP (number of studies)	4 370
Number of PhD students (number of studies)	804
Accredited Study programmes	200
Joint/Double/Multiple Degree Study Programmes	27
International students (number of studies)	1 116
Academic failure in the 1st year of study	38,2 %
Participants in lifelong learning (incl. U3V)	2 284
Graduates (number of studies)	1 208
Number of application experts involved in teaching	130
Students receiving scholarships (physical number)	3 681
Number of employees (average headcount)	1 292,3
Academic and scientific staff from abroad (average converted numbers)	104,7
Newly appointed associate professors (of which women)	9 (3)
Newly appointed professors (of which women)	5 (0)
Mobility students (number of trips)	138
Number of accommodation requests submitted	2 210
Dormitory bed capacity	1 651
Number of (co-)organised conferences with international participation	18
Number of contracts for contract research, consulting and advisory services	1 632
Number of foreign R&D projects solved	39

Basic information about the university

a) Full name of the college, commonly used abbreviation, seat of the university and all its components

University of Chemistry and Technology, Prague

UCT Prague

Technická 1905/5, 166 28 Prague 6

www.vscht.cz

Faculty:

Faculty of Chemical Technology

FCT

Zikova 4, 166 28 Prague 6

FCT.vscht.cz

Faculty of Environmental Technology

FET

Zikova 4, 166 28 Prague 6

FET.vscht.cz

Faculty of Food and Biochemical Technology

FFBT

Zikova 4, 166 28 Prague 6

FFBT.vscht.cz

Faculty of Chemical Engineering

FCE

Zikova 4, 166 28 Prague 6

FCE.vscht.cz

University institute:

Technopark Kralupy of UCT Prague

Náměstí G. Karse 7/2, 278 01 Kralupy nad Vltavou

www.technopark-kralupy.cz

Branches:

University Centre Litvínov UCT - FS ČVUT - ORLEN Unipetrol

V Záluží 1, Litvínov 1, 436 01 Litvínov

www.uclitvinov.cz

Administration of University Facilities

SÚZ

K Verneráku 950, 148 00 Prague 4

www.vscht-suz.cz

Campground Běstvína

Běstvína 155, 538 45 Běstvína

www.vscht-suz.cz/skol-a-rekr-zarizeni

b) Organisational scheme of university

Diagram 1: The organisational structure of the faculties of UCT Prague

Diagram 2: The organisational structure of the Rector's Office, the university-wide departments, the University Institute and the Administration of University Facilities

Diagram 3: The management structure of UCT Prague

Diagram 3

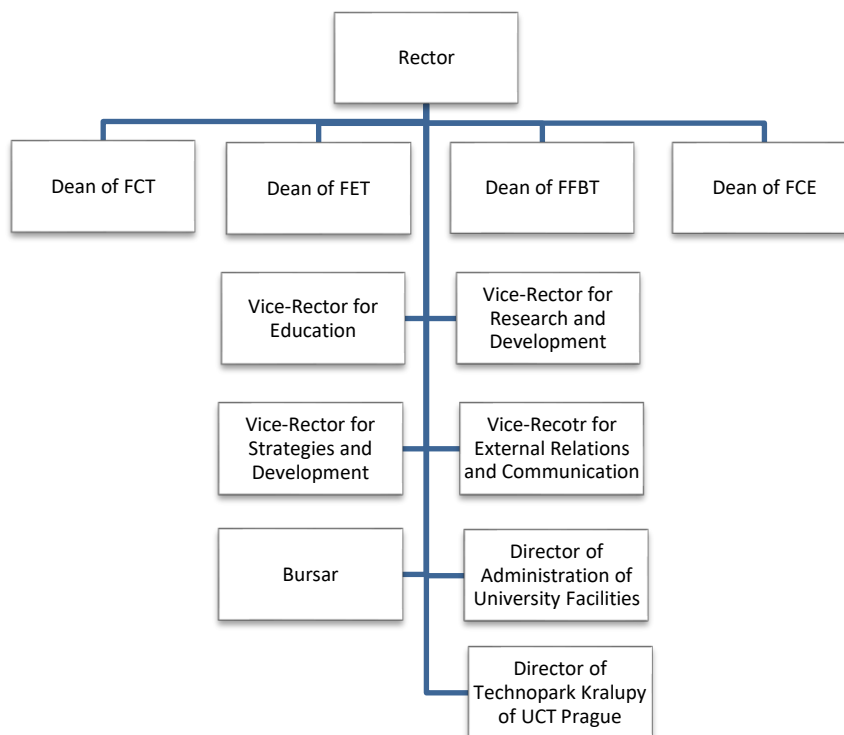


Diagram 1

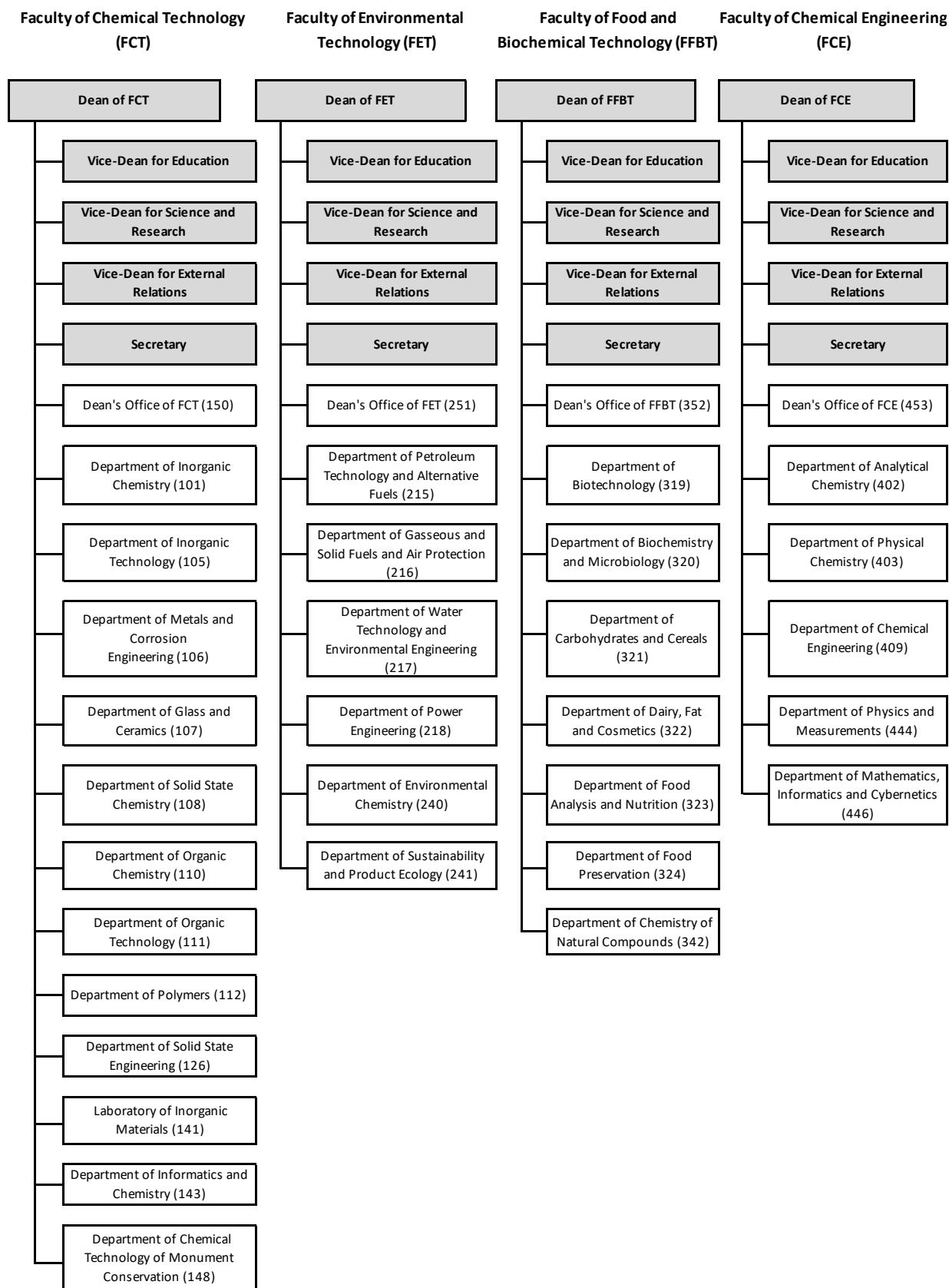
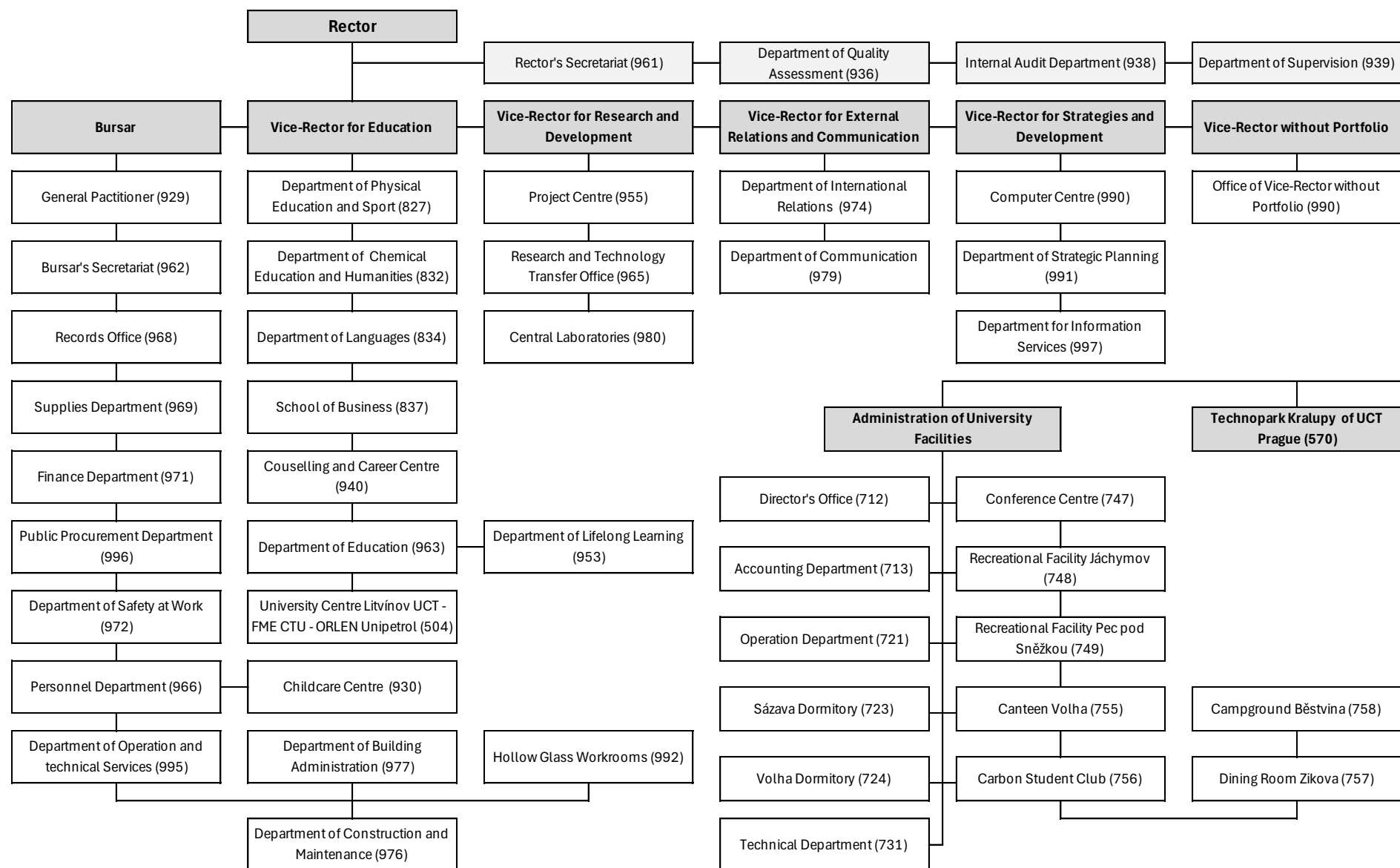


Diagram 2



UCT Prague Management

Rector

Prof. Dr. RNDr. Pavel Matějka

Vice-Rector for Education

Assoc. Dr. Ing. Milan Jahoda

Vice-Rector for Research and Development

Prof. Dr. Ing. Dalibor Vojtěch

Vice-Rector for Strategies and Development

Prof. Ing. Milan Pospíšil, CSc.

Vice-Rector for External Relations and Communication

Prof. Dr. Ing. Michaela Rumlová

Bursar

Ing. Ivana Chválná

Administration of University Facilities of UCT Prague

Director

Ing. Stanislav Starý

Technopark Kralupy UCT Prague

Director

Ing. Milan Petrák

Faculty of Chemical Technology

Dean

Prof. Ing. Petr Zámotný, Ph.D.

Vice-Dean for Education

Ing. Ondřej Kunderát, Ph.D.

Vice-Dean for Science and Research

Prof. Ing. Pavel Novák, Ph.D.

Vice-Dean for External Relations

Prof. Dr. Ing. Karel Bouzek

Secretary

Ing. Monika Šáchová

Faculty of Environmental Technology

Dean

Prof. Ing. Pavel Jeníček, CSc.

Vice-Dean for Education

Ing. Jan Bindzar, Ph.D.

Vice-Dean for Science and Research

Assoc. Prof. Ing. Tomáš Hlinčík, Ph.D.

Vice-Dean for External Relations

Prof. Ing. David Kubička, Ph.D., MBA

Secretary

Ing. Kateřina Šritrová

Faculty of Food and Biochemical Technology

Dean

Prof. Ing. Jan Masák, CSc.

Vice-Dean for Education

Prof. Ing. Karel Melzoch, CSc.

Vice-Dean for Science and Research

Assoc. Prof. Ing. Aleš Rajchl, Ph.D.

Vice-Dean for External Relations

Ing. Monika Tomaniová, Ph.D.

Secretary

Mgr. Blanka Morchová

Faculty of Chemical Engineering

Dean	Prof. Ing. Michal Příbyl, Ph.D.
Vice-Dean for Education	Assoc. Prof. Ing. Karel Řehák, CSc.
Vice-Dean for Science and Research	Assoc. Prof. RNDr. Ing. Pavel Řezanka, Ph.D.
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c) Composition of the Scientific Board, the Board of Trustees, the Academic Senate and other bodies of the University

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The composition of the Scientific Board of the University of Science and Technology Prague was approved by the Academic Senate of the University of Science and Technology Prague on 17 February 2020.

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Tables

Table 2.1: Accredited study programs (number)										
UCT Prague		Bachelor's program		Master's program		Follow-up master's program		Doctoral program		TOTAL
		FT	PT/D	FT	PT/D	FT	PT/D	FT	PT/D	
FCT										
ISCED-F broad fields	Code									
General programs and qualifications	00									0
Education and training	01									0
Arts and humanities	02	1								1
Social sciences, journalism, and information sciences	03									0
Business, administration, and law	04									0
Natural sciences, mathematics, and statistics	05	1				3		12	12	28
Information and communication technologies	06									0
Technology, manufacturing, and civil engineering	07	7				7		11	11	36
Agriculture, forestry, fishing, and veterinary medicine	08									0
Health and welfare, environmental protection	09									0
Services	10									0
FCT total	X	9	0	0	0	10	0	23	23	65
FET										
ISCED-F broad fields	Code									
General programs and qualifications	00									0
Education and training	01									0
Arts and humanities	02									0
Social sciences, journalism, and information sciences	03									0
Business, administration, and law	04									0
Natural sciences, mathematics, and statistics	05									0
Information and communication technologies	06									0
Technology, manufacturing, and civil engineering	07	5				7		8	8	28
Agriculture, forestry, fishing, and veterinary medicine	08									0
Health and welfare, environmental protection	09									0
Services	10									0
FET total	X	5	0	0	0	7	0	8	8	28
FFBT										
ISCED-F broad fields	Code									
General programs and qualifications	00									0
Education and training	01									0
Arts and humanities	02									0
Social sciences, journalism, and information sciences	03									0
Business, administration, and law	04									0
Natural sciences, mathematics, and statistics	05	4				7		12	12	35
Information and communication technologies	06									0
Technology, manufacturing, and civil engineering	07	2				3		8	8	21
Agriculture, forestry, fishing, and veterinary medicine	08									0
Health and welfare, environmental protection	09									0
Services	10									0
FFBT total	X	6	0	0	0	10	0	20	20	56
FCE										
ISCED-F broad fields	Code									
General programs and qualifications	00									0
Education and training	01									0
Arts and humanities	02									0
Social sciences, journalism, and information sciences	03									0
Business, administration, and law	04									0
Natural sciences, mathematics, and statistics	05	3				2		7	7	19
Information and communication technologies	06									0
Technology, manufacturing, and civil engineering	07	4				6		8	8	26
Agriculture, forestry, fishing, and veterinary medicine	08									0
Health and welfare, environmental protection	09									0
Services	10									0
FCE total	X	7	0	0	0	8	0	15	15	45
Study across faculties										
ISCED-F broad fields	Code									
General programs and qualifications	00									0
Education and training	01					1				1
Arts and humanities	02									0
Social sciences, journalism, and information sciences	03									0
Business, administration, and law	04	3				2				5
Natural sciences, mathematics, and statistics	05									0
Information and communication technologies	06									0
Technology, manufacturing, and civil engineering	07									0
Agriculture, forestry, fishing, and veterinary medicine	08									0
Health and welfare, environmental protection	09									0
Services	10									0
Total study across faculties	X	3	0	0	0	3	0	0	0	6
UCT Prague										
ISCED-F broad fields	Code									
General programs and qualifications	00	0	0	0	0	0	0	0	0	0
Education and training	01	0	0	0	0	1	0	0	0	1
Arts and humanities	02	1	0	0	0	0	0	0	0	1
Social sciences, journalism, and information sciences	03	0	0	0	0	0	0	0	0	0
Business, administration, and law	04	3	0	0	0	2	0	0	0	5
Natural sciences, mathematics, and statistics	05	8	0	0	0	12	0	31	31	82
Information and communication technologies	06	0	0	0	0	0	0	0	0	0
Technology, manufacturing, and civil engineering	07	18	0	0	0	23	0	35	35	111
Agriculture, forestry, fishing, and veterinary medicine	08	0	0	0	0	0	0	0	0	0
Health and welfare, environmental protection	09	0	0	0	0	0	0	0	0	0
Services	10	0	0	0	0	0	0	0	0	0
UCT TOTAL	X	30	0	0	0	38	0	66	66	200

FT = Full-time PT/D = Part-time / distance
Note: * = A faculty or another university unit delivering an accredited study program

Table 2.2: Foreign language study programs (number)										
UCT Prague		Bachelor's program		Master's program		Follow-up master's program		Doctoral program		TOTAL
		FT	PT/D	FT	PT/D	FT	PT/D	FT	PT/D	
FCT										
ISCED-F broad fields	Code									
General programs and qualifications	00									0
Education and training	01									0
Arts and humanities	02									0
Social sciences, journalism, and information sciences	03									0
Business, administration, and law	04									0
Natural sciences, mathematics, and statistics	05					1		6	6	13
Information and communication technologies	06									0
Technology, manufacturing, and civil engineering	07	1				3		7	7	18
Agriculture, forestry, fishing, and veterinary medicine	08									0
Health and welfare, environmental protection	09									0
Services	10									0
FCT total	X	1	0	0	0	4	0	13	13	31
FET										
ISCED-F broad fields	Code									
General programs and qualifications	00									0
Education and training	01									0
Arts and humanities	02									0
Social sciences, journalism, and information sciences	03									0
Business, administration, and law	04									0
Natural sciences, mathematics, and statistics	05									0
Information and communication technologies	06									0
Technology, manufacturing, and civil engineering	07	1				2		5	5	13
Agriculture, forestry, fishing, and veterinary medicine	08									0
Health and welfare, environmental protection	09									0
Services	10									0
FET total	X	1	0	0	0	2	0	5	5	13
FFBT										
ISCED-F broad fields	Code									
General programs and qualifications	00									0
Education and training	01									0
Arts and humanities	02									0
Social sciences, journalism, and information sciences	03									0
Business, administration, and law	04									0
Natural sciences, mathematics, and statistics	05							7	7	14
Information and communication technologies	06									0
Technology, manufacturing, and civil engineering	07	1				1		5	5	12
Agriculture, forestry, fishing, and veterinary medicine	08									0
Health and welfare, environmental protection	09									0
Services	10									0
FFBT total	X	1	0	0	0	1	0	12	12	26
FCE										
ISCED-F broad fields	Code									
General programs and qualifications	00									0
Education and training	01									0
Arts and humanities	02									0
Social sciences, journalism, and information sciences	03									0
Business, administration, and law	04									0
Natural sciences, mathematics, and statistics	05							4	4	8
Information and communication technologies	06									0
Technology, manufacturing, and civil engineering	07	1				3		4	4	12
Agriculture, forestry, fishing, and veterinary medicine	08									0
Health and welfare, environmental protection	09									0
Services	10									0
FCE total	X	1	0	0	0	3	0	8	8	20
Study across faculties										
ISCED-F broad fields	Code									
General programs and qualifications	00									0
Education and training	01									0
Arts and humanities	02									0
Social sciences, journalism, and information sciences	03									0
Business, administration, and law	04	2				1				3
Natural sciences, mathematics, and statistics	05									0
Information and communication technologies	06									0
Technology, manufacturing, and civil engineering	07									0
Agriculture, forestry, fishing, and veterinary medicine	08									0
Health and welfare, environmental protection	09									0
Services	10									0
Total study across faculties	X	2	0	0	0	1	0	0	0	3
UCT Prague										
ISCED-F broad fields	Code									
General programs and qualifications	00	0	0	0	0	0	0	0	0	0
Education and training	01	0	0	0	0	0	0	0	0	0
Arts and humanities	02	0	0	0	0	0	0	0	0	0
Social sciences, journalism, and information sciences	03	0	0	0	0	0	0	0	0	0
Business, administration, and law	04	2	0	0	0	1	0	0	0	3
Natural sciences, mathematics, and statistics	05	0	0	0	0	1	0	17	17	35
Information and communication technologies	06	0	0	0	0	0	0	0	0	0
Technology, manufacturing, and civil engineering	07	4	0	0	0	9	0	21	21	55
Agriculture, forestry, fishing, and veterinary medicine	08	0	0	0	0	0	0	0	0	0
Health and welfare, environmental protection	09	0	0	0	0	0	0	0	0	0
Services	10	0	0	0	0	0	0	0	0	0
UCT TOTAL	X	6	0	0	0	11	0	38	38	93

FT = Full-time PT/D = Part-time / distance
Note: * = A faculty or another university unit delivering an accredited study program

Table 2.3: Joint, double, multiple degree study programs delivered together with a foreign university	
	Sustainability and Environmental Engineering
Title of program 1	
Partner organizations	University of Applied Sciences and Arts Northwestern Switzerland FHNW
Associated organizations	
Program category (joint, double, multiple degree)	Double
Program type (bachelor's, master's, follow-up master's, doctoral)	Master's
Active enrollments as at December 31	1
Title of program 2	Synthesis and Manufacturing of Pharmaceuticals, Specialization Manufacturing of Pharmaceuticals / Life Sciences, Specialization Pharmatechnology or Chemistry
Partner organizations	University of Applied Sciences and Arts Northwestern Switzerland
Associated organizations	
Program category (joint, double, multiple degree)	Double
Program type (bachelor's, master's, follow-up master's, doctoral)	Master's
Active enrollments as at December 31	3
Title of program 3	Biotechnology of Pharmaceuticals / Master of Science in Life Sciences
Partner organizations	University of Applied Sciences and Arts Northwestern Switzerland
Associated organizations	
Program category (joint, double, multiple degree)	Double
Program type (bachelor's, master's, follow-up master's, doctoral)	Master's
Active enrollments as at December 31	3
Title of program 4	Master of Science in Chemistry and Chemical Technologies / Master GPBP – Génie des Procédés et des Bioprocédés
Partner organizations	(ENSIC) École Nationale Supérieure des Industries Chimiques, France
Associated organizations	
Program category (joint, double, multiple degree)	Double
Program type (bachelor's, master's, follow-up master's, doctoral)	Master's
Active enrollments as at December 31	0
Title of program 5	Double Master Degree
Partner organizations	ENSCR (École Nationale Supérieure de Chimie Rennes), France
Associated organizations	
Program category (joint, double, multiple degree)	Double
Program type (bachelor's, master's, follow-up master's, doctoral)	Master's
Active enrollments as at December 31	0
Title of program 6	Master of Science in Biotechnology and Food Science / and Laurea Magistrale in Molecular and Industrial Biotechnology
Partner organizations	University of Insubria
Associated organizations	
Program category (joint, double, multiple degree)	Double
Program type (bachelor's, master's, follow-up master's, doctoral)	Master's
Active enrollments as at December 31	1
Title of program 7	Chemical Engineering and Bioengineering / Chemical Engineering and Biotechnological Processes
Partner organizations	Università degli studi di Cagliari
Associated organizations	
Program category (joint, double, multiple degree)	Double
Program type (bachelor's, master's, follow-up master's, doctoral)	Master's
Active enrollments as at December 31	5
Title of program 8	Cybernetics in Chemical and Food Technologies
Partner organizations	Slovak University of Technology in Bratislava
Associated organizations	
Program category (joint, double, multiple degree)	Double
Program type (bachelor's, master's, follow-up master's, doctoral)	Master's
Active enrollments as at December 31	0
Title of program 9	Chemistry, specialization: Organic chemistry / Transition Metals in Molecular Chemistry (T2MC)
Partner organizations	Université Bourgogne Franche-Comté
Associated organizations	
Program category (joint, double, multiple degree)	Double
Program type (bachelor's, master's, follow-up master's, doctoral)	Master's
Active enrollments as at December 31	1
Title of program 10	Erasmus Mundus International Master in Environmental Technology and Engineering (IMETE-C)
Partner organizations	IHE Delft, Gent University
Associated organizations	
Program category (joint, double, multiple degree)	Erasmus Mundus Joint Masters - Joint Degree
Program type (bachelor's, master's, follow-up master's, doctoral)	Master's
Active enrollments as at December 31	44
Title of program 11	International Master in Technology and Management for Circular Economy (IMATEC)
Partner organizations	University of Oviedo, Abo Akademi University
Associated organizations	
Program category (joint, double, multiple degree)	Erasmus Mundus Joint Masters - Multiple Degree
Program type (bachelor's, master's, follow-up master's, doctoral)	Master's
Active enrollments as at December 31	21
Title of program 12	Master in Membrane Engineering for Sustainable Development (MESD)
Partner organizations	Université de Montpellier, Université Paul Sabatier Toulouse III, Universidade Nova de Lisboa, Universidad de Zaragoza, University of Twente, KU Leuven, Università della Calabria
Associated organizations	
Program category (joint, double, multiple degree)	Erasmus Mundus Joint Masters - Joint Degree
Program type (bachelor's, master's, follow-up master's, doctoral)	Master's
Active enrollments as at December 31	14
Title of program 13, 14	Chemie a chemické technologie / Chemistry and Chemical Technologies (FCHT)
Partner organizations	Slovak University of Technology in Bratislava; KU Leuven
Associated organizations	
Program category (joint, double, multiple degree)	Double
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	0
Title of program 15, 16	Chemie a technologie materiálů / Chemistry and Technology of Materials (FCHT)
Partner organizations	ENSC Lille; Normandie Université; Università Politecnica delle Marche
Associated organizations	
Program category (joint, double, multiple degree)	Double
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	1
Title of program 17, 18	Chemie / Chemistry (FCT)
Partner organizations	Normandie Université; Universität Regensburg; Université Bourgogne Franche-Comté; KU Leuven
Associated organizations	
Program category (joint, double, multiple degree)	Double
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	1
Title of program 19, 20	Chemie a technologie ochrany životního prostředí /Environmental Chemistry and Technology (FET)
Partner organizations	ENSCR Rennes, KU Leuven
Associated organizations	
Program category (joint, double, multiple degree)	Double
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	3
Title of program 21, 22	Biotechnologie / Biotechnology (FFBT)
Partner organizations	Slovak University of Technology in Bratislava
Associated organizations	
Program category (joint, double, multiple degree)	Double
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	1
Title of program 23, 24	Biochemie a bioorganická chemie /Biochemistry and Bioorganic Chemistry (FFBT)
Partner organizations	ENSCR Rennes; UI Tromsø
Associated organizations	
Program category (joint, double, multiple degree)	Double
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	2
Title of program 25, 26	Chemické a procesní inženýrství / Chemical and Process Engineering (FCE)
Partner organizations	KU Leuven
Associated organizations	
Program category (joint, double, multiple degree)	Double
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	3
Title of program 27, 28	Chemie/ Analytical and Physical Chemistry (FCE)
Partner organizations	ENSCR Rennes, Universität Regensburg, Université Bourgogne Franche-Comté, KU Leuven, UI Tromsø
Associated organizations	
Program category (joint, double, multiple degree)	Double
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	0

Summary information for Table 2.3					
	Bachelor's program	Master's program	Follow-up master's program	Doctoral program	Total
UCT Prague					
Study programs			12	16	28
Active enrollments in the listed programs			93	11	104

Table 2.4: Accredited study programs delivered jointly with another university or public research institution* based in the Czech Republic	
UCT Prague	
Title of program 1, 2	Chemie / Chemistry (FCT) P1417
ISCED-F broad field	0531
Partner university / institution*	Czech Academy of Sciences (CAS)
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	26
Title of program 3, 4	Chemie P0531D130017/ Chemistry P0531D130018 (FCT)
ISCED-F broad field	0531
Partner university / institution*	Czech Academy of Sciences
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	64
Title of program 5, 6	Chemie a technologie materiálů /Chemistry and Technology of Materials P2833
ISCED-F broad field	0711
Partner university / institution*	Czech Academy of Sciences
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	21
Title of program 7, 8	Chemie a technologie materiálů P0711D130007 / Chemistry and Technology of Materials P0711D130008
ISCED-F broad field	0711
Partner university / institution*	Czech Academy of Sciences
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	51
Title of program 9, 10	Chemie a chemické technologie / Chemistry and Chemical Technologies P2832
ISCED-F broad field	0711
Partner university / institution*	Czech Academy of Sciences
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	7
Title of program 11, 12	Chemie a chemické technologie P0711D130005 / Chemistry and Chemical Technologies P0711D130006
ISCED-F broad field	0711
Partner university / institution*	Czech Academy of Sciences
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	30
Title of program 13, 14	Syntéza a výroba léčiv / Synthesis and Production of Drugs (FCT) P2824
ISCED-F broad field	0711
Partner university / institution*	Czech Academy of Sciences
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	38
Title of program 15, 16	Léčiva a biomateriály P0531D130072 / Drugs and biomaterials P0531D130073 (FCT, FCE)
ISCED-F broad field	0531
Partner university / institution*	Czech Academy of Sciences
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	10
Title of program 17, 18	Bioinformatika P0588D030009/ Bioinformatics P0588D030010
ISCED-F broad field	0588
Partner university / institution*	Czech Academy of Sciences, Czech Technical University
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	19
Title of program 19	Conservation Sciences in Protection of Tangible Cultural Heritage P0531D130067
ISCED-F broad field	0531
Partner university / institution*	University of Pardubice
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	4
Title of program 20, 21	Chemie / Chemistry (FFBT) P1417
ISCED-F broad field	0531
Partner university / institution*	Czech Academy of Sciences, Institute of Hematology and Blood Transfusion of the Ministry of Health of the Czech Republic, Crop Research Institute
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	32
Title of program 22, 23	Mikrobiologie / Microbiology P1528
ISCED-F broad field	0511
Partner university / institution*	Czech Academy of Sciences
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	16
Title of program 24, 25	Biochemie a biotechnologie / Biochemistry and Biotechnology P2836
ISCED-F broad field	0512
Partner university / institution*	Czech Academy of Sciences, Crop Research Institute
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	6
Title of program 26, 27	Chemie a technologie potravin/Food Chemistry and Technology P2906
ISCED-F broad field	0721
Partner university / institution*	CAS, Crop Research Institute, Food Research Institute Prague
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	28
Title of program 28, 29	Mikrobiologie P0511D130021 / Microbiology P0511D130022
ISCED-F broad field	0511
Partner university / institution*	Czech Academy of Sciences
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	22
Title of program 30, 31	Biotechnologie P0711D130019 /Biotechnology P0711D130020
ISCED-F broad field	0711
Partner university / institution*	Czech Academy of Sciences
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	30
Title of program 32, 33	Biochemie a bioorganická chemie P0512D130009 / Biochemistry and bioorganic chemistry P0512D130010
ISCED-F broad field	0512
Partner university / institution*	Czech Academy of Sciences
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	37
Title of program 34, 35	Biotechnologie léčiv (P0512D130018) / Biotechnology of Pharmaceuticals (P0512D130019)
ISCED-F broad field	0512
Partner university / institution*	Czech Academy of Sciences
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	0
Title of program 36, 37	Chemie / Chemistry (FCE) P1417
ISCED-F broad field	0531
Partner university / institution*	Czech Academy of Sciences
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	23
Title of program 38, 39	Chemické a procesní inženýrství / Chemical and Process Engineering P2837
ISCED-F broad field	0711
Partner university / institution*	Czech Academy of Sciences
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	30
Title of program 40, 41	Syntéza a výroba léčiv / Synthesis and Production of Drugs (FCE) P2824
ISCED-F broad field	0711
Partner university / institution*	Czech Academy of Sciences
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	9
Title of program 42, 43	Chemie P0531D130021 / Chemistry P0531D130022
ISCED-F broad field	0531
Partner university / institution*	Czech Academy of Sciences
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	39
Title of program 44, 45	Chemické a procesní inženýrství P0711D130015 / Chemical and Process Engineering P0711D130016
ISCED-F broad field	0711
Partner university / institution*	Czech Academy of Sciences
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	52
Title of program 46, 47	Molekulární chemická fyzika a senzorika P0531D130027/ Molecular Chemical Physics and Sensorics P0531D130028
ISCED-F broad field	0531
Partner university / institution*	Czech Academy of Sciences
Program type (bachelor's, master's, follow-up master's, doctoral)	Doctoral
Active enrollments as at December 31	37

Note: * = For example, accredited study programs delivered together with CAS or other public research institutions based in the Czech Republic

Summary information for Table 2.4					
	Bachelor's program	Master's program	Follow-up master's program	Doctoral program	Total
UCT Prague					
Study programs	0		0	47	47
Active enrollments in the listed programs	0		0	631	631

Table 2.5: Accredited study programs delivered jointly with a tertiary technical school	
UCT Prague	
Title of program 1	Conservation and Restoration of Historical Artworks
ISCED-F broad field	02
Partner tertiary technical school	Akademie - VOŠ, Gymn. a SOŠUP Světlá nad Sázavou, Vyšší odborná škola textilních řemesel a Střední umělecká škola řemesel, Střední uměleckoprůmyslová škola a Vyšší odborná škola Turnov
Program type (bachelor's, master's, follow-up master's, doctoral)	Bachelor's
Active enrollments as at December 31	55

Summary information for Table 2.5					
	Bachelor's program	Master's program	Follow-up master's program	Doctoral program	Total
UCT Prague					
Study programs	1	0	0	0	1
Active enrollments in the listed programs	55	0	0	0	55

Table 2.6: Lifelong learning (LLL) university courses (number of courses delivered)									
UCT Prague		Professionally oriented courses			Interest-oriented courses			U3A	TOTAL
		Up to 15 lessons	16 to 100 lessons	Over 100 lessons	Up to 15 lessons	16 to 100 lessons	Over 100 lessons		
ISCED-F broad fields	Code								
General programs and qualifications	00								0
Education and training	01		20		4	5	8		37
Arts and humanities	02								0
Social sciences, journalism, and information sciences	03								0
Business, administration, and law	04								0
Natural sciences, mathematics, and statistics	05		15	3	14	32	7	3	74
Information and communication technologies	06							3	3
Technology, manufacturing, and civil engineering	07								0
Agriculture, forestry, fishing, and veterinary medicine	08								0
Health and welfare, environmental protection	09								0
Services	10								0
TOTAL	X	0	35	3	18	37	15	6	114

Table 2.7: Lifelong learning (LLL) university courses (number of enrolled students)

UCT Prague		Professionally oriented courses			Interest-oriented courses			U3A	TOTAL*	Including students admitted to study program in accordance with Section 60 of the Higher Education Act
		Up to 15 lessons	16 to 100 lessons	Over 100 lessons	Up to 15 lessons	16 to 100 lessons	Over 100 lessons			
ISCED-F broad fields	Code									
General programs and qualifications	00									
Education and training	01		366		43	176	124		709	
Arts and humanities	02									
Social sciences, journalism, and information sciences	03									
Business, administration, and law	04									
Natural sciences, mathematics, and statistics	05		314	51	233	246	528	133	1505	
Information and communication technologies	06							70	70	
Technology, manufacturing, and civil engineering	07									
Agriculture, forestry, fishing, and veterinary medicine	08									
Health and welfare, environmental protection	09									
Services	10									
TOTAL*	X		680	51	276	422	652	203	2284	

Note: * = Because the figure includes students that may be enrolled in multiple courses, the total may not be equal to the sum of the preceding lines or columns. It reflects the actual total number enrolled students, where one person may be included more than once.

Table 2.8: Lifelong learning (LLL) university courses (number of courses and enrolled students) – microcredentials									
University (name)		Number of courses			TOTAL	Number of enrolled students			TOTAL*
		Professionally oriented courses	Interest-oriented courses	U3A		Professionally oriented courses	Interest-oriented courses	U3A	
ISCED-F broad fields	Code								
General programs and qualifications	00				0				-
Education and training	01				0				-
Arts and humanities	02				0				-
Social sciences, journalism, and information sciences	03				0				-
Business, administration, and law	04				0				-
Natural sciences, mathematics, and statistics	05				0				-
Information and communication technologies	06				0				-
Technology, manufacturing, and civil engineering	07				0				-
Agriculture, forestry, fishing, and veterinary medicine	08				0				-
Health and welfare, environmental protection	09				0				-
Services	10				0				-
TOTAL*	X	0	0	0	0				

Note: * = Because the total number of students includes persons who may be enrolled in multiple courses, the total may not be equal to the sum of the preceding lines or columns. It reflects the actual total number enrolled students, where one person may be included more than once.

Table 3.1: Students in accredited study programs (enrollments)										
UCT Prague		Bachelor's program		Master's program		Follow-up master's program		Doctoral program		TOTAL
		FT	PT/D	FT	PT/D	FT	PT/D	FT	PT/D	
<i>FCT</i>										
ISCED-F broad fields	Code									
General programs and qualifications	00									0
Education and training	01									0
Arts and humanities	02	55								55
Social sciences, journalism, and information sciences	03									0
Business, administration, and law	04									0
Natural sciences, mathematics, and statistics	05	38				42		100	23	203
Information and communication technologies	06									0
Technology, manufacturing, and civil engineering	07	580				222		97	52	951
Agriculture, forestry, fishing, and veterinary medicine	08									0
Health and welfare, environmental protection	09									0
Services	10									0
FCT total	X	673	0	0	0	264	0	197	75	1209
Including female students at FCT	X	394				131		98	41	664
Including foreign nationals at FCT	X	139				53		57	11	260
<i>FET</i>										
ISCED-F broad fields	Code									
General programs and qualifications	00									0
Education and training	01									0
Arts and humanities	02									0
Social sciences, journalism, and information sciences	03									0
Business, administration, and law	04									0
Natural sciences, mathematics, and statistics	05									0
Information and communication technologies	06									0
Technology, manufacturing, and civil engineering	07	122				172		62	50	406
Agriculture, forestry, fishing, and veterinary medicine	08									0
Health and welfare, environmental protection	09									0
Services	10									0
FET total	X	122	0	0	0	172	0	62	50	406
Including female students at FET	X	53				97		30	27	207
Including foreign nationals at FET	X	23				79		14	11	127
<i>FFBT</i>										
ISCED-F broad fields	Code									
General programs and qualifications	00									0
Education and training	01									0
Arts and humanities	02									0
Social sciences, journalism, and information sciences	03									0
Business, administration, and law	04									0
Natural sciences, mathematics, and statistics	05	588				221		95	41	945
Information and communication technologies	06									0
Technology, manufacturing, and civil engineering	07	56				96		49	27	228
Agriculture, forestry, fishing, and veterinary medicine	08									0
Health and welfare, environmental protection	09									0
Services	10									0
FFBT total	X	644	0	0	0	317	0	144	68	1173
Including female students at FFBT	X	466				226		84	32	808
Including foreign nationals at FFBT	X	125				51		33	14	223
<i>FCE</i>										
ISCED-F broad fields	Code									
General programs and qualifications	00									0
Education and training	01									0
Arts and humanities	02									0
Social sciences, journalism, and information sciences	03									0
Business, administration, and law	04									0
Natural sciences, mathematics, and statistics	05	344				108		88	12	552
Information and communication technologies	06									0
Technology, manufacturing, and civil engineering	07	204				149		87	21	461
Agriculture, forestry, fishing, and veterinary medicine	08									0
Health and welfare, environmental protection	09									0
Services	10									0
FCE total	X	548	0	0	0	257	0	175	33	1013
Including female students at FCE	X	262				131		63	10	466
Including foreign nationals at FCE	X	113				64		38	7	222
<i>Study across faculties</i>										
ISCED-F broad fields	Code									
General programs and qualifications	00									0
Education and training	01					22				22
Arts and humanities	02									0
Social sciences, journalism, and information sciences	03									0
Business, administration, and law	04	379				168				547
Natural sciences, mathematics, and statistics	05									0
Information and communication technologies	06									0
Technology, manufacturing, and civil engineering	07									0
Agriculture, forestry, fishing, and veterinary medicine	08									0
Health and welfare, environmental protection	09									0
Services	10									0
Total study across faculties	X	379	0	0	0	190	0	0	0	569
Including female students	X	221				110				331
Including foreign nationals	X	208				76				284
<i>UCT Prague</i>										
ISCED-F broad fields	Code									
General programs and qualifications	00	0	0	0	0	0	0	0	0	0
Education and training	01	0	0	0	0	22	0	0	0	22
Arts and humanities	02	55	0	0	0	0	0	0	0	55
Social sciences, journalism, and information sciences	03	0	0	0	0	0	0	0	0	0
Business, administration, and law	04	379	0	0	0	168	0	0	0	547
Natural sciences, mathematics, and statistics	05	970	0	0	0	371	0	283	76	1700
Information and communication technologies	06	0	0	0	0	0	0	0	0	0
Technology, manufacturing, and civil engineering	07	962	0	0	0	639	0	295	150	2046
Agriculture, forestry, fishing, and veterinary medicine	08	0	0	0	0	0	0	0	0	0
Health and welfare, environmental protection	09	0	0	0	0	0	0	0	0	0
Services	10	0	0	0	0	0	0	0	0	0
UCT TOTAL	X	2366	0	0	0	1200	0	578	226	4370
Including total female students	X	1396	0	0	0	695	0	275	110	2476
Including total foreign nationals	X	608	0	0	0	323	0	142	43	1116

Note: * = A faculty or another university unit delivering an accredited study program
FT = Full-time
PT/D = Part-time / distance

Table 3.2: Self-paying students** (enrollments)										
UCT Prague		Bachelor's program		Master's program		Follow-up master's program		Doctoral program		TOTAL
		FT	PT/D	FT	PT/D	FT	PT/D	FT	PT/D	
FCT										
ISCED-F broad fields	Code									
General programs and qualifications	00									0
Education and training	01									0
Arts and humanities	02									0
Social sciences, journalism, and information sciences	03									0
Business, administration, and law	04									0
Natural sciences, mathematics, and statistics	05					1		4		5
Information and communication technologies	06									
Technology, manufacturing, and civil engineering	07	8				3			1	12
Agriculture, forestry, fishing, and veterinary medicine	08									0
Health and welfare, environmental protection	09									0
Services	10									0
FCT total	X	8	0	0	0	4	0	4	1	17
FET										
ISCED-F broad fields	Code									
General programs and qualifications	00									0
Education and training	01									0
Arts and humanities	02									0
Social sciences, journalism, and information sciences	03									0
Business, administration, and law	04									0
Natural sciences, mathematics, and statistics	05									0
Information and communication technologies	06									0
Technology, manufacturing, and civil engineering	07	2				4		1		7
Agriculture, forestry, fishing, and veterinary medicine	08									0
Health and welfare, environmental protection	09									0
Services	10									0
FET total	X	2	0	0	0	4	0	1	0	7
FFBT										
ISCED-F broad fields	Code									
General programs and qualifications	00									0
Education and training	01									0
Arts and humanities	02									0
Social sciences, journalism, and information sciences	03									0
Business, administration, and law	04									0
Natural sciences, mathematics, and statistics	05								1	1
Information and communication technologies	06									0
Technology, manufacturing, and civil engineering	07	19				6		2	1	28
Agriculture, forestry, fishing, and veterinary medicine	08									0
Health and welfare, environmental protection	09									0
Services	10									0
FFBT total	X	19	0	0	0	6	0	2	2	29
FCE										
ISCED-F broad fields	Code									
General programs and qualifications	00									0
Education and training	01									0
Arts and humanities	02									0
Social sciences, journalism, and information sciences	03									0
Business, administration, and law	04									0
Natural sciences, mathematics, and statistics	05							2		2
Information and communication technologies	06									0
Technology, manufacturing, and civil engineering	07	18				4		1	2	25
Agriculture, forestry, fishing, and veterinary medicine	08									0
Health and welfare, environmental protection	09									0
Services	10									0
FCE total	X	18	0	0	0	4	0	3	2	27
Study across faculties										
ISCED-F broad fields	Code									
General programs and qualifications	00									0
Education and training	01									0
Arts and humanities	02									0
Social sciences, journalism, and information sciences	03									0
Business, administration, and law	04	51				39				90
Natural sciences, mathematics, and statistics	05									0
Information and communication technologies	06									0
Technology, manufacturing, and civil engineering	07									0
Agriculture, forestry, fishing, and veterinary medicine	08									0
Health and welfare, environmental protection	09									0
Services	10									0
Total study across faculties	X	51	0	0	0	39	0	0	0	90
UCT Prague										
ISCED-F broad fields	Code									
General programs and qualifications	00	0	0	0	0	0	0	0	0	0
Education and training	01	0	0	0	0	0	0	0	0	0
Arts and humanities	02	0	0	0	0	0	0	0	0	0
Social sciences, journalism, and information sciences	03	0	0	0	0	0	0	0	0	0
Business, administration, and law	04	51	0	0	0	39	0	0	0	90
Natural sciences, mathematics, and statistics	05	0	0	0	0	1	0	6	1	8
Information and communication technologies	06	0	0	0	0	0	0	0	0	0
Technology, manufacturing, and civil engineering	07	47	0	0	0	17	0	4	4	72
Agriculture, forestry, fishing, and veterinary medicine	08	0	0	0	0	0	0	0	0	0
Health and welfare, environmental protection	09	0	0	0	0	0	0	0	0	0
Services	10	0	0	0	0	0	0	0	0	0
UCT TOTAL	X	98	0	0	0	57	0	10	5	170

Note: * = A faculty or another university unit delivering an accredited study program
Note: **= Self-paying students pay the full tuition fees applicable to their course delivered in a foreign language. The university does not include these students in figures
FT = Full-time
PT/D = Part-time / distance

Table 3.3: First year** academic failure* (%)

UCT Prague	Bachelor's program			Master's program			Follow-up master's program			Doctoral program			TOTAL
	FT	PT/D	TOTAL	FT	PT/D	TOTAL	FT	PT/D	TOTAL	FT	PT/D	TOTAL	
<i>FCT</i>	55,9%		55,9%				7,3%		7,3%	17,4%	0,0%	7,4%	36,7%
<i>FET</i>	56,3%		56,3%				7,8%		7,8%	5,8%	12,5%	8,0%	21,5%
<i>FFBT</i>	55,8%		55,8%				8,6%		8,6%	9,7%	25,0%	11,4%	41,3%
<i>FCE</i>	46,2%		46,2%				6,3%		6,3%	5,7%	0,0%	5,7%	32,5%
<i>Study across faculties</i>	38,5%		38,5%				40,0%		40,0%				38,8%
UCT TOTAL	50,6%		50,6%				12,3%		12,3%	10,9%	12,5%	11,0%	38,2%

Note: * = Academic failure refers to the percentage of students enrolled in calendar year 'n' and the sum of students in this cohort who fail in calendar years 'n' and 'n+1'. See Methodology.

Note: ** = Including all students enrolled to study at a given university in calendar year 'n', regardless of whether or not it is their first university enrollment.

Note: *** = A faculty or another university unit delivering an accredited study program.

FT = Full-time

PT/D = Part-time / distance

The TOTAL is neither a sum nor average of the preceding values (i.e. for FT and PT/D in certain study program). Calculation must to be done separately for each field in the table.

Example:

In 2021 (January 1 to December 31), 500 full-time students were enrolled in bachelor's programs at the faculty. In the same and the following years, 180 failed. Academic failure in this cohort in the first year is equal to $180/500=0.36$, i.e. 36%.

Table 3.4: Scholarships* according to purpose (number of students)		
UCT Prague		
Purpose of scholarship	Number of students	Average scholarship value**
Outstanding academic performance as per Section 91, Paragraph 2, Subsection a)	765	14539
Outstanding scientific, research, development, artistic, or other creative achievements as per Section 91, Paragraph 2, Subsection b)	25	57600
Research, development, and innovation as per specific legislation, Section 91, Paragraph 2, Subsection c)	1326	24284
Social need as per Section 91, Paragraph 2, Subsection d)	187	4092
Social need as per Section 91, Paragraph 3	10	25091
Special considerations as per Section 91, Paragraph 2, Subsection e)	3295	10703
Including accommodation allowance	2937	5714
Study abroad as per Section 91, Paragraph 4, Subsection a)	315	38671
Support for study in the Czech Republic as per Section 91, Paragraph 4, Subsection b)	141	40891
Doctoral study programs as per Section 91, Paragraph 4, Subsection c)	729	111724
Other scholarships	523	4554
TOTAL***	3681	46 035

Note: * = Regardless of the source of funding, excluding funds from MEYS.

Note: ** = The ratio of the total sum paid for a given scholarship type in a year and the total number of persons who receive at least one scholarship in that year. If a person receives several scholarships, the person is included only once, but the calculation includes the total amount paid to such a person.

Note: *** = Because the figure includes recipients of more than one scholarship, the total is equal to the actual number of students as opposed to being the sum of the preceding columns.

Example: In a given year, the university disburses CZK 15,000 in total scholarships to students for excellent academic achievements in accordance with Section 91, Paragraph 2, Subsection a). Scholarships are awarded to three students; two receive it on one and one on three occasions. The average value of the scholarship is equal to CZK 5,000 (= 15,000/3).

Table 3.5: Average monthly income of doctoral students (persons)									
UCT Prague	Full-time			Part-time and distance			TOTAL		
	Number of students	Scholarship *	Total income **	Number of students	Scholarship *	Total income **	Number of students	Scholarship	Total income
FCT	197	11275	29204	75	10700	16904	272	11274	27632
FET	62	11636	27921	50	4000	13046	112	11626	27056
FFBT	144	10708	25262	68	0	17475	212	10708	23975
FCE	175	11572	27309	33	7313	13093	208	11481	25610
UCT TOTAL	578	11245	27542	226	7320	15715	804	11220	26063

Note: * = The average monthly amount (see below) of the scholarship paid to students of doctoral study programmes under Section 91(4)(c) for a given calendar year. Only the amounts paid under this scholarship are shown.

Note: ** = The average monthly amount of all doctoral students' income paid by the faculty or university. The total figure for the university may not be the sum of the figures for the faculty - taking into account possible income from the non-faculty component of the HEI. Both the amounts in the previous column and other funds paid according to the methodology are reported.

The average monthly amount is the proportion of the total amount of funds paid to a student during a given year divided by the number of months the scholarship was paid. Where funds have been paid to one person more than once, or from different funding sources, the person is counted only once, but the total of the amounts paid to that person enters the calculation.

All funds provided by the faculty, another unit of the college carrying out an accredited program of study, or the college are included.

Table 3.6: Students - numbers per 1 academic staff member

VŠCHT Praha	Bachelor's program		Master's program		Follow-up master's program		Doctoral program		TOTAL	
	Women	Total	Women	Total	Women	Total	Women	Total	Women	Total
<i>FCHT</i>	1,841	3,137			0,572	1,183	0,648	1,273	3,061	5,593
<i>FTOP</i>	0,640	1,463			1,032	1,868	0,745	1,463	2,417	4,794
<i>FPBT</i>	3,118	4,327			1,491	2,088	0,790	1,449	5,399	7,865
<i>FCHI</i>	1,696	3,561			0,794	1,526	0,495	1,411	2,985	6,499
<i>Studium mimo fakulty</i>	2,133	3,601			1,027	1,781	0,000	0,000	3,161	5,382
VŠ CELKEM	1,991	3,464			0,935	1,757	0,559	1,177	3,486	6,397

Table 4.1: Graduates from accredited study programs (number of completed programs)										
		Bachelor's program		Master's program		Follow-up master's program		Doctoral program		TOTAL
UCT Prague		FT	PT/D	FT	PT/D	FT	PT/D	FT	PT/D	
FCT										
ISCED-F broad fields	Code									
General programs and qualifications	00									0
Education and training	01									0
Arts and humanities	02	2								2
Social sciences, journalism, and information sciences	03									0
Business, administration, and law	04									0
Natural sciences, mathematics, and statistics	05	2				18		5	5	30
Information and communication technologies	06									0
Technology, manufacturing, and civil engineering	07	119				143		13	12	287
Agriculture, forestry, fishing, and veterinary medicine	08									0
Health and welfare, environmental protection	09									0
Services	10									0
FCT total	X	123	0	0	0	161	0	18	17	319
Including female students at FCT	X	64				87		7	9	167
Including foreign nationals at FCT	X	11				15		2	7	35
FET										
ISCED-F broad fields	Code									
General programs and qualifications	00									0
Education and training	01									0
Arts and humanities	02									0
Social sciences, journalism, and information sciences	03									0
Business, administration, and law	04									0
Natural sciences, mathematics, and statistics	05									0
Information and communication technologies	06									0
Technology, manufacturing, and civil engineering	07	28				70		1	10	109
Agriculture, forestry, fishing, and veterinary medicine	08									0
Health and welfare, environmental protection	09									0
Services	10									0
FET total	X	28	0	0	0	70	0	1	10	109
Including female students at FET	X	15				40		1	7	63
Including foreign nationals at FET	X	4				9			3	16
FFBT										
ISCED-F broad fields	Code									
General programs and qualifications	00									0
Education and training	01									0
Arts and humanities	02									0
Social sciences, journalism, and information sciences	03									0
Business, administration, and law	04									0
Natural sciences, mathematics, and statistics	05	92				115		9	14	230
Information and communication technologies	06									0
Technology, manufacturing, and civil engineering	07	40				73			16	129
Agriculture, forestry, fishing, and veterinary medicine	08									0
Health and welfare, environmental protection	09									0
Services	10									0
FFBT total	X	132	0	0	0	188	0	9	30	359
Including female students at FFBT	X	91				146		7	20	264
Including foreign nationals at FFBT	X	20				26		2	10	58
FCE										
ISCED-F broad fields	Code									
General programs and qualifications	00									0
Education and training	01									0
Arts and humanities	02									0
Social sciences, journalism, and information sciences	03									0
Business, administration, and law	04									0
Natural sciences, mathematics, and statistics	05	71				49		3	11	134
Information and communication technologies	06									0
Technology, manufacturing, and civil engineering	07	77				93		6	15	191
Agriculture, forestry, fishing, and veterinary medicine	08									0
Health and welfare, environmental protection	09									0
Services	10									0
FCE total	X	148	0	0	0	142	0	9	26	325
Including female students at FCE	X	75				63		3	5	146
Including foreign nationals at FCE	X	19				16		1	5	41
Study across faculties										
ISCED-F broad fields	Code									
General programs and qualifications	00									0
Education and training	01	1								1
Arts and humanities	02									0
Social sciences, journalism, and information sciences	03									0
Business, administration, and law	04	60				35				95
Natural sciences, mathematics, and statistics	05									0
Information and communication technologies	06									0
Technology, manufacturing, and civil engineering	07									0
Agriculture, forestry, fishing, and veterinary medicine	08									0
Health and welfare, environmental protection	09									0
Services	10									0
Total study across faculties	X	61	0	0	0	35	0	0	0	96
Including female students	X	35				22				57
Including foreign nationals	X	9				5				14
UCT Prague										
ISCED-F broad fields	Code									
General programs and qualifications	00	0	0	0	0	0	0	0	0	0
Education and training	01	1	0	0	0	0	0	0	0	1
Arts and humanities	02	2	0	0	0	0	0	0	0	2
Social sciences, journalism, and information sciences	03	0	0	0	0	0	0	0	0	0
Business, administration, and law	04	60	0	0	0	35	0	0	0	95
Natural sciences, mathematics, and statistics	05	165	0	0	0	182	0	17	30	394
Information and communication technologies	06	0	0	0	0	0	0	0	0	0
Technology, manufacturing, and civil engineering	07	264	0	0	0	379	0	20	53	716
Agriculture, forestry, fishing, and veterinary medicine	08	0	0	0	0	0	0	0	0	0
Health and welfare, environmental protection	09	0	0	0	0	0	0	0	0	0
Services	10	0	0	0	0	0	0	0	0	0
UCT TOTAL	X	492	0	0	0	596	0	37	83	1208
Including total female students	X	280	0	0	0	358	0	18	41	697
Including total foreign nationals	X	63	0	0	0	71	0	5	25	164

FT = Full-time, PT/D = Part-time / distance; the figures refer to successfully completed programs, as opposed to students, during January 1 to December 31.
Note: * = A faculty or another university unit delivering an accredited study program.

Table 5.1: Demand for university enrollment																	
		Bachelor's program				Master's program				Follow-up master's program				Doctoral program			
		Applicants (persons)	Applications	Admissions	Registrations	Applicants (persons)	Applications	Admissions	Registrations	Applicants (persons)	Applications	Admissions	Registrations	Applicants (persons)	Applications	Admissions	Registrations
UCT Prague																	
FCT																	
ISCED-F broad fields	Code																
General programs and qualifications	00																
Education and training	01																
Arts and humanities	02	32	32	26	23												
Social sciences, journalism, and information sciences	03																
Business, administration, and law	04																
Natural sciences, mathematics, and statistics	05	61	61	49	27					38	41	30	20	41	41	35	32
Information and communication technologies	06																
Technology, manufacturing, and civil engineering	07	841	921	678	336					131	145	115	91	23	23	21	19
Agriculture, forestry, fishing, and veterinary medicine	08																
Health and welfare, environmental protection	09																
Services	10																
FCT total	X	918	1 014	753	386		0	0	0	164	186	145	111	64	64	56	51
FET																	
ISCED-F broad fields	kód																
General programs and qualifications	00																
Education and training	01																
Arts and humanities	02																
Social sciences, journalism, and information sciences	03																
Business, administration, and law	04																
Natural sciences, mathematics, and statistics	05																
Information and communication technologies	06																
Technology, manufacturing, and civil engineering	07	151	168	126	61					321	340	123	93	46	46	24	20
Agriculture, forestry, fishing, and veterinary medicine	08																
Health and welfare, environmental protection	09																
Services	10																
FET total	X	151	168	126	61		0	0	0	321	340	123	93	46	46	24	20
FFBT																	
ISCED-F broad fields	kód																
General programs and qualifications	00																
Education and training	01																
Arts and humanities	02																
Social sciences, journalism, and information sciences	03																
Business, administration, and law	04																
Natural sciences, mathematics, and statistics	05	988	1 109	812	342					183	240	163	98	36	36	30	24
Information and communication technologies	06																
Technology, manufacturing, and civil engineering	07	36	36	18	15					94	95	58	36	12	12	11	10
Agriculture, forestry, fishing, and veterinary medicine	08																
Health and welfare, environmental protection	09																
Services	10																
FFBT total	X	1 022	1 145	830	357		0	0	0	241	335	221	134	48	48	41	34
FCE																	
ISCED-F broad fields	kód																
General programs and qualifications	00																
Education and training	01																
Arts and humanities	02																
Social sciences, journalism, and information sciences	03																
Business, administration, and law	04																
Natural sciences, mathematics, and statistics	05	476	497	358	180					104	126	95	57	26	26	23	21
Information and communication technologies	06																
Technology, manufacturing, and civil engineering	07	208	223	171	92					88	96	78	59	33	33	28	26
Agriculture, forestry, fishing, and veterinary medicine	08																
Health and welfare, environmental protection	09																
Services	10																
FCE total	X	656	720	529	272		0	0	0	187	222	173	116	59	59	51	47
Study across faculties																	
ISCED-F broad fields	kód																
General programs and qualifications	00																
Education and training	01									36	36	30	24				
Arts and humanities	02																
Social sciences, journalism, and information sciences	03																
Business, administration, and law	04	611	613	326	196					189	192	104	84				
Natural sciences, mathematics, and statistics	05																
Information and communication technologies	06																
Technology, manufacturing, and civil engineering	07																
Agriculture, forestry, fishing, and veterinary medicine	08																
Health and welfare, environmental protection	09																
Services	10																
Total study across faculties	X	611	613	326	196		0	0	0	221	228	134	108		0	0	0
UCT Prague		- the total for the university is not the sum of individual faculties!															
ISCED-F broad fields	kód																
General programs and qualifications	00																
Education and training	01									36	36	30	24				
Arts and humanities	02	32	32	26	23												
Social sciences, journalism, and information sciences	03																
Business, administration, and law	04	611	613	326	196					189	192	104	84				
Natural sciences, mathematics, and statistics	05	1 398	1 667	1 219	549					294	407	288	175	101	103	88	77
Information and communication technologies	06																
Technology, manufacturing, and civil engineering	07	1 142	1 348	993	504					614	676	374	279	113	114	84	75
Agriculture, forestry, fishing, and veterinary medicine	08																
Health and welfare, environmental protection	09																
Services	10																
TOTAL UCT Prague	X	2 830	3 660	2 564	1 272					1 038	1 311	796	562	214	217	172	152

Note: * = A faculty or another university unit delivering an accredited study program
FT = Full-time

Table 6.1: Total faculty, research, and other staff (full-time equivalent*)

UCT Prague	Faculty							Researchers and specialists**			Other employees*****	TOTAL employees	
	TOTAL faculty	Professors	Associate professors	Assistant professors	Assistants	Lecturers	Scientific, research, and development staff taking part in teaching	Visiting professors	Postdoctoral fellows***	Researchers other than classified in the above categories			Other scientific, research, and development staff****
FCT*****	211,354	21,800	31,150	71,710	2,000		83,694	1,000	41,988	8,612	20,563	35,516	318,033
Women at FCT	75,338		8,717	25,664			40,957		15,926	4,235	13,087	27,883	136,469
FET*****	76,552	7,850	10,322	47,220	2,250		8,910		5,221	3,799	6,190	7,833	99,595
Women at FET	27,446	0,354	2,000	18,562	0,983		5,547		1,196	3,420	5,317	6,333	43,712
FFBT*****	145,587	23,100	35,280	55,615	3,250		28,342		6,200	20,968	11,120	25,250	209,125
Women at FFBT	76,126	5,450	15,228	29,694	2,599		23,155		3,875	13,279	7,642	21,694	122,616
FCE*****	147,413	19,772	24,643	59,919	3,130		39,949		10,537	13,549	9,655	23,343	204,497
Women at FCE	40,581	0,933	2,138	24,801	0,200		12,509		5,237	2,929	6,332	17,422	72,501
Total in other units	102,190	4,500	10,050	55,395	8,943	1,000	22,302		4,582	13,103	14,293	326,876	461,044
Women in other units	55,641	1,000	6,400	27,184	5,993	1,000	14,064		1,561	4,700	9,353	194,964	266,219
TOTAL	683,096	77,022	111,445	289,859	19,573	1,000	183,197	1,000	68,528	60,031	61,821	418,818	1 292,294
Total women	275,132	7,737	34,483	125,905	9,775	1,000	96,232	0,000	27,795	28,563	41,731	268,296	641,517

Note: * = Full-time equivalent refers to the ratio of total number of hours worked from January 1 to December 31 (by all workers in the reported category, including DPČ work performance contracts, excluding DPP casual work contracts) and the

Note: ** = Researcher means a scientist other than a faculty member as per Section 70 of Act No. 111/1998 Coll. on Higher Education.

Note: *** = A person employed by a research institution or a university during five years after award of a Ph.D. or equivalent degree. He/she has a specific assignment in a research team of the institution, usually under the supervision of senior researchers, and publishes research results both independently and as part of the team. He/she works under an employment agreement for the maximum of three consecutive fixed terms of one to three years. He/she receives a salary as per the remuneration system of the institution, and is eligible for bonuses under research grant projects.

Note: **** = Other scientific, research, and development staff include technicians and specialists who are not directly involved in research, but are indispensable for research work, such as staff in charge of the research facility's operations.

Note: ***** = Other employees include all other workers that are not directly involved in teaching and research. They include administrative, maintenance, and other employees.

Note: ***** = A faculty or another university unit delivering an accredited study program.

Table 6.2: Age structure of faculty, researchers, and other employees (number of persons*)																								
	Faculty														Researchers and specialists**						Other employees*****		TOTAL	Including women
	Professors		Associate professors		Assistant professors		Assistants		Lecturers		Scientific, research, and development staff taking part in teaching		Visiting professors		Postdoctoral fellows***		Researchers other than classified in the above categories		Other scientific, research, and development staff****					
UCT Prague	TOTAL	Women	TOTAL	Women	TOTAL	Women	TOTAL	Women	TOTAL	Women	TOTAL	Women	TOTAL	Women	TOTAL	Women	TOTAL	Women	TOTAL	Women	TOTAL	Women	TOTAL	
Aged up to 29 years					2	1	6	1			260	131			12	6	17	11	18	11	19	11	334	172
Aged 30-39 years	1		8	2	127	56	11	4	1	1	93	49			122	43	3	2	7	6	33	25	406	188
Aged 40-49 years	13		51	15	138	70	7	2			54	29			23	13	2	2	18	13	82	74	388	218
Aged 50-59 years	20	1	39	16	54	34	2				26	10	1						24	17	94	80	260	158
Aged 60-69 years	29	1	24	10	29	12	2	2	1	1	10	2							13	5	79	43	187	76
Aged over 70 years	26	7	14	3	6	1					4	2							6		26	7	82	20
TOTAL	89	9	136	46	356	174	28	9	2	2	447	223	1	0	157	62	22	15	86	52	333	240	1657	832

Note: * = Total number of regular employees, both part- and full-time, excluding DPČ work performance contracts, DPP casual work contracts, and other contracts having the nature of purchased services as per the Civil Code.

Note: ** = Researcher means a scientist other than a faculty member as per Section 70 of Act No. 111/1998 Coll. on Higher Education.

Note: *** = A person employed by a research institution or a university during five years after award of a Ph.D. or equivalent degree. He/she has a specific assignment in a research team of the institution, usually under the supervision of senior researchers, and publishes research results both independently and as part of the team. He/she works under an employment agreement for the maximum of three consecutive fixed terms of one to three years. He/she receives a salary as per the remuneration system of the institution, and is eligible for bonuses under research grant projects.

Note: **** = Other scientific, research, and development staff include technicians and specialists who are not directly involved in research, but are indispensable for research work, such as staff in charge of the research facility's operations.

Note: ***** = Other employees include all other workers that are not directly involved in teaching and research. They include administrative, maintenance, and other employees.

Table 6.3: Faculty and researchers by working hours and highest attained education (number of persons by working hours)													
UCT Prague	Faculty								Researchers*		TOTAL	Including women	
FCT**													
	Prof.		Doc.		DrSc., CSc., Dr., Ph.D., Th.D.		Other		TOTAL	Women			
Full-time	TOTAL	Women	TOTAL	Women	TOTAL	Women	TOTAL	Women					
Up to 0.3	2	1	3	1	4	1			29	16	38	19	
0.31-0.5	2		3		6	1			42	21	53	22	
0.51-0.7	1		1		4	3			15	10	21	13	
0.71-1	23		29	8	72	33			123	55	247	96	
Over 1											0	0	
TOTAL	28	1	36	9	86	38	0	0	209	102	359	150	
FET**													
	Prof.		Doc.		DrSc., CSc., Dr., Ph.D., Th.D.		Other		TOTAL	Women			
Full-time	TOTAL	Women	TOTAL	Women	TOTAL	Women	TOTAL	Women					
Up to 0.3			2		4	2			5		11	2	
0.31-0.5	2	1	2		2	1			10	4	16	6	
0.51-0.7			1						8	5	9	5	
0.71-1	7		9	3	44	17	2	2	16	11	78	33	
Over 1											0	0	
TOTAL	9	1	14	3	50	20	2	2	39	20	114	46	
FFBT**													
	Prof.		Doc.		DrSc., CSc., Dr., Ph.D., Th.D.		Other		TOTAL	Women			
Full-time	TOTAL	Women	TOTAL	Women	TOTAL	Women	TOTAL	Women					
Up to 0.3	2		3	2	9	5			34	20	48	27	
0.31-0.5	7	2	4	2	5	3			20	13	36	20	
0.51-0.7	3	1	1		2	1	2	2	15	11	23	15	
0.71-1	18	5	31	17	51	30	2	2	46	29	148	83	
Over 1											0	0	
TOTAL	30	8	39	21	67	39	4	4	115	73	255	145	
FCE**													
	Prof.		Doc.		DrSc., CSc., Dr., Ph.D., Th.D.		Other		TOTAL	Women			
Full-time	TOTAL	Women	TOTAL	Women	TOTAL	Women	TOTAL	Women					
Up to 0.3	7		5		14	6	2	1	18	7	46	14	
0.31-0.5	3		3		11	5	2		59	13	78	18	
0.51-0.7	1	1			3				10	3	14	4	
0.71-1	18		23	5	50	22	3	1	40	20	134	48	
Over 1											0	0	
TOTAL	29	1	31	5	78	33	7	2	127	43	272	84	
Total other units**													
	Prof.		Doc.		DrSc., CSc., Dr., Ph.D., Th.D.		Other		TOTAL	Women			
Full-time	TOTAL	Women	TOTAL	Women	TOTAL	Women	TOTAL	Women					
Up to 0.3			3	1	6	2	1		7	4	17	7	
0.31-0.5	3		7	5	8	4	6	5	10	6	34	20	
0.51-0.7									3	2	3	2	
0.71-1	5	1	7	4	29	15	27	15	42	20	110	55	
Over 1											0	0	
TOTAL	8	1	17	10	43	21	34	20	62	32	164	84	
UCT Prague													
	Prof.		Doc.		DrSc., CSc., Dr., Ph.D., Th.D.		Other		TOTAL	Women			
Full-time	TOTAL	Women	TOTAL	Women	TOTAL	Women	TOTAL	Women					
Up to 0.3	11	1	16	4	37	16	3	1	93	47	160	69	
0.31-0.5	17	3	19	7	32	14	8	5	141	57	217	86	
0.51-0.7	5	2	3	0	9	4	2	2	51	31	70	39	
0.71-1	71	6	99	37	246	117	34	20	267	135	717	315	
Over 1	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	104	12	137	48	324	151	47	28	552	270	1164	509	
UCT TOTAL	104	12	137	48	324	151	47	28	552	270	1164	509	

Note: The highest attained academic title.

Note: * = Researcher means a person other than a faculty member as per Section 70 of Act No. 111/1998 Coll. on Higher Education.

Note: ** = A faculty or another university unit delivering an accredited study program.

Table 6.4: Executive staff (persons)

	Rector/Dean	Vice Rector/Vice Dean	Academic Senate	Scientific/Art/Academic Board	Bursar/Secretary**	Board of Trustees	Director of department, university-run farm or forest, and other unit	Head of department/institute/research center****	TOTAL executive staff *****
UCT Prague									
<i>UCT Prague – Data for university/Rector's Office, other units excluded</i>	1	4	27	41	1	9			83
Including women	0	1	6	3	1	2			13
FCT*	1	3	11	40	1			12	68
Including women	0	0	4	3	1				8
FET*	1	3	9	34	1			5	53
Including women	0	0	4	6	1			0	11
FFBT*	1	3	11	41	1			7	64
Including women	0	2	9	14	1			3	29
FCE*	1	3	9	31	1			5	50
Including women	0	0	3	4	1			0	8
<i>University institutes and farms or forests</i>							1		1
Including women									0
Total other units***								12	12
Including women								5	5
Faculties*, university departments, and other units	5	15	51	187	5		1	41	248
Including women	0	4	29	41	5		0	8	56
TOTAL UCT Prague*****	6	19	78	228	6	9	1	41	331
Including women	0	5	35	44	6	2	0	8	69

The table includes only university units, units carrying out teaching, research, development, innovation, artistic, and other creative activities, and units responsible for information services or technology transfer. The table excludes data relating to administration, entertainment, sports, accommodation, catering, and operations.

Note: * = Only faculties and their subordinate units (as per the above description)

Note: ** = As per Section 25, Article 2 of the Higher Education Act.

Note: *** = Units carrying out teaching, research, development, innovation, artistic, and other creative activities and units responsible for information services or technology transfer as per Section 22, Paragraph c) of Act No. 111/1998 Coll.

Note: **** = The listed and other similar units carrying out teaching, research, development, innovation, artistic, and other creative activities and units subordinate to a university department responsible for information services or technology transfer as per Section 22, Paragraph c) of Act No. 111/1998 Coll.

Note: ***** = The figure is a **simple sum of cells** that may not correspond to the actual headcount (a person may hold multiple positions at UCT or its faculties).

Table 6.5: Faculty and researchers – foreign nationals (full-time equivalent*****)										
UCT Prague	Faculty					Scientific, research, and development staff taking part in teaching	Researchers and specialists**			Other employees*****
	Professors	Associate professors	Assistant professors	Assistants	Lecturers		Postdoctoral fellows***	Researchers other than classified in the above categories	Other scientific, research, and development staff****	
FCT	1	0,4	2,8	0	0	20,76	20,52	13,14	0	0
Including: Germany						1				
Poland								1,52		
Austria							0,5			
Slovakia			0,8					0,85		
Other EU countries	1					1,24	4,88	1,65		
Other non-EU countries		0,4	2			18,52	15,14	9,12		
Female employees (regardless of nationality)			2,8			11,59	9,23	3,18		
FET	0	0	3	0	0	6,63	0	0,8	0	0
Including: Germany										
Poland										
Austria										
Slovakia			2			1				
Other EU countries						0,8				
Other non-EU countries			1			4,83		0,8		
Female employees (regardless of nationality)			1			5,63		0,8		
FFBT	0	0	2	0	0	7,43	0	1	0	0
Including: Germany										
Poland										
Austria										
Slovakia			1			1				
Other EU countries			1			0,79				
Other non-EU countries						5,64		1		
Female employees (regardless of nationality)						6,43		1		
FCE	1	2	6,5	0	0	0	3,49	0	0	0
Including: Germany										
Poland			1							
Austria										
Slovakia	1	1	3,5				0,49			
Other EU countries			1							
Other non-EU countries		1	1				3			
Female employees (regardless of nationality)		1	4,5				3,23			
Total in other units	0,5	0,4	4,5	2	0	2,28	0	2,59	0	0
Including: Germany										
Poland								0,23		
Austria										
Slovakia	0,5	0,4	2							
Other EU countries										
Other non-EU countries			2,5	2		2,28		2,36		
Female employees (regardless of nationality)		0,4	1,5			1,2		1,93		
UCT TOTAL	2,5	2,8	18,8	2	0	37,1	24,01	17,53	0	0
Including: Germany	0	0	0	0	0	1	0	0	0	0
Poland	0	0	1	0	0	0	0	1,75	0	0
Austria	0	0	0	0	0	0	0,5	0	0	0
Slovakia	1,5	1,4	9,3	0	0	2	0,49	0,85	0	0
Other EU countries	1	0	2	0	0	2,83	4,88	1,65	0	0
Other non-EU countries	0	1,4	6,5	2	0	31,27	18,14	13,28	0	0
Female employees (regardless of nationality)	0	1,4	9,8	0	0	24,85	12,46	6,91	0	0

Note: * = A faculty or another university unit delivering an accredited study program.

Note: ** = Researcher means a scientist other than a faculty member as per Section 70 of Act No. 111/1998 Coll. on Higher Education.

Note: *** = A person employed by a research institution or a university during five years after award of a Ph.D. or equivalent degree. He/she has a specific assignment in a research team of the institution, usually under the supervision of senior researchers, and publishes research results both independently and as part of the team. He/she works under an employment agreement for the maximum of three consecutive fixed terms of one to three years. He/she receives a salary as per the remuneration system of the institution, and is eligible for bonuses under research grant projects.

Note: **** = Other scientific, research, and development staff include technicians and specialists who are not directly involved in research, but are indispensable for research work, such as staff in charge of the research facility's operations.

Note: ***** = Other employees include all other workers that are not directly involved in teaching and research. They include administrative, maintenance, and other employees.

Note: ***** = Full-time equivalent refers to the ratio of total number of hours worked from January 1 to December 31 (by all workers in the reported category, including DPC work performance contracts, excluding DPP casual work contracts) and the total annual working time per full-time employee.

Table 6.6: Newly appointed associate professors and professors (persons)				
UCT Prague	Number of persons			Average age of new appointees***
	UCT Prague*		Core UCT faculty members appointed at another university**	
	Total	Including core UCT faculty		
<i>FCT</i>				
Professors appointed in 2022	3	3		40,3
Including women	0	0		
Associate professors appointed in 2022	1	1		41
Including women	0	0		
<i>FET</i>				
Professors appointed in 2022	1	1		48
Including women	0	0		
Associate professors appointed in 2022	1	1		62
Including women	1	1		62
<i>FFBT</i>				
Professors appointed in 2022	0	0		
Including women	0	0		
Associate professors appointed in 2022	3	2		39,6
Including women	1	1		44
<i>FCE</i>				
Professors appointed in 2022	1	1		59
Including women	0	0		
Associate professors appointed in 2022	4	4		39
Including women	1	1		43
<i>Other units other than faculties</i>				
Professors appointed in 2022	0	0		
Including women	0	0		
Associate professors appointed in 2022	0	0		
Including women	0	0		
TOTAL professors	5	5		45,6
Including women	0	0		
TOTAL associate professors	9	8		42
Including women	3	3		49,6

Note: *= Including all habilitations and appointments in the calendar year and at the university, regardless of whether the newly appointed professors and associate professors are core faculty of the university.

Note: ** = Number of professors and associate professors constituting core UCT faculty appointed at another university.

Note: *** = The average age is calculated from the total number of new appointees at UCT Prague (faculty or total number).

Note: **** = A faculty or another university unit delivering an accredited study program.

Table 7.1: Participation in international cooperation programs (regardless of the source of funding)				
UCT Prague	H2021/ Seventh European Commission Framework Program			TOTAL
	TOTAL	Including Marie-Curie Actions	Other	
Projects*	29	10	14	43
Outgoing students**	3	3	138	141
Incoming students***	0	0	307	307
Outgoing faculty members and researchers****	0	0	1037	1037
Incoming lecturers and researchers*****	0	0	112	112
Subsidy in CZK thousands*****	31 048,02	10 995,11	33 489,26	64 537,28

Note: * = Projects active in the reported year.

Note: ** = Outgoing students means students who completed a foreign internship in 2023, including students whose internship began in 2022. Only internships lasting more than four weeks (28 days) are included. Where applicable, internships with a different duration are listed in the notes for the table.

Note: *** = Incoming students means students who completed an internship at UCT in 2023, including students whose internship began in 2022. Only internships lasting more than four weeks (28 days) are included. Where applicable, internships with a different duration are listed in the notes for the table.

Note: **** = Outgoing faculty members means persons who completed a foreign internship in 2023, including faculty members whose internship began in 2022.

Note: ***** = Incoming lecturers means persons who completed an internship at UCT in 2023, including lecturers whose internship began in 2022.

Note: ***** = The figures represent total project funding, including co-funding by MEYS.

Table 7.2: Mobility of students, academic staff, and other workers by country***** (regardless of the source of funding) (unprocessed raw data)										
UCT Prague	Outgoing students*			Incoming students**						
Country	Total	Graduate internships (from the	Virtual* (from the total)	Virtual* (from the total)	Total	Outgoing faculty members***	Incoming lecturers****	Other outgoing workers***	Other incoming workers****	TOTAL for the country
Islamic Republic of Afghanistan	0	0	0	0						0
Republic of Albania	0	0	0	0						0
People's Democratic Republic of Algeria	0	0	0	0			1			1
United States Virgin Islands	0	0	0	0						0
Principality of Andorra	0	0	0	0						0
Republic of Angola	0	0	0	0						0
Anguilla	0	0	0	0						0
Antarctica	0	0	0	0						0
Antigua and Barbuda	0	0	0	0						0
Republic of Argentina	0	0	0	0						0
Republic of Armenia	0	0	0	0		1				1
Aruba	0	0	0	0						0
Commonwealth of Australia	1	0	0	0		2				3
Republic of Azerbaijan	0	0	0	0						0
Commonwealth of the Bahamas	0	0	0	0						0
Bailiwick Guernsey	0	0	0	0						0
Bailiwick Jersey	0	0	0	0						0
People's Republic of Bangladesh	0	0	0	0						0
Barbados	0	0	0	0						0
Kingdom of Belgium	8	0	0	0	12	22	1			43
Belize	0	0	0	0						0
Republic of Belarus	0	0	0	0						0
Republic of Benin	0	0	0	0						0
Bermuda	0	0	0	0						0
Kingdom of Bhutan	0	0	0	0						0
Bolivarian Republic of Venezuela	0	0	0	0						0
Bonaire, Sint Eustatius and Saba	0	0	0	0						0
Bosnia and Herzegovina	0	0	0	0						0
Republic of Botswana	0	0	0	0						0
Bouvet Island	0	0	0	0						0
Federative Republic of Brazil	2	0	0	0	1		1			4
British Virgin Islands	0	0	0	0						0
British Indian Ocean Territory	0	0	0	0						0
Republic of Bulgaria	0	0	0	0		2				2
Burkina Faso	0	0	0	0						0
Republic of Burundi	0	0	0	0						0
Cook Islands	0	0	0	0						0
Republic of Chad	0	0	0	0						0
Montenegro	0	0	0	0						0
Czech Republic	0	0	0	0						0
People's Republic of China	0	0	0	0	1	5	4			10
Republic of China (Taiwan)	4	0	0	0	5		1			10
Kingdom of Denmark	1	0	0	0	1	7				9
Democratic Republic of São Tomé and Príncipe	0	0	0	0						0
Democratic Republic of Timor-Leste	0	0	0	0						0
Mayotte Department	0	0	0	0						0
Commonwealth of Dominica	0	0	0	0						0
Dominican Republic	0	0	0	0						0
Republic of Djibouti	0	0	0	0						0
Arab Republic of Egypt	0	0	0	0	3	3	3			9
Republic of Ecuador	0	0	0	0						0
Republic of Estonia	0	0	0	0	2	3				5
Federal Democratic Republic of Ethiopia	0	0	0	0						0
Faroe Islands	0	0	0	0						0
Falkland Islands (Islas Malvinas)	0	0	0	0						0
Federation of Saint Kitts and Nevis	0	0	0	0						0
Federated States of Micronesia	0	0	0	0						0
Republic of Fiji	0	0	0	0						0
Republic of the Philippines	0	0	0	0						0
Republic of Finland	5	0	0	0	3	6				14
French Guiana	0	0	0	0						0
French Southern and Antarctic Territories	0	0	0	0						0
French Polynesia	0	0	0	0						0
French Republic	6	0	0	0	112	74	5			197
Gabonese Republic	0	0	0	0						0
Republic of the Gambia	0	0	0	0						0
Republic of Ghana	0	0	0	0						0
Gibraltar	0	0	0	0						0
Grenada	0	0	0	0						0
Greenland	0	0	0	0						0
Georgia	0	0	0	0						0
Republic of Guatemala	0	0	0	0						0
Republic of Guinea	0	0	0	0						0
Cooperative Republic of Guyana	0	0	0	0						0
Heard Island and McDonald Islands	0	0	0	0						0
Republic of Honduras	0	0	0	0						0
Republic of Chile	2	0	0	0		3				5
Republic of Croatia	1	0	0	0	2	10				13
Republic of India	1	0	0	0	11	6	7			25
Republic of Indonesia	0	0	0	0						0
Republic of Iraq	0	0	0	0						0
Islamic Republic of Iran	0	0	0	0			1			1
Ireland	1	0	0	0		10				11
Republic of Iceland	2	0	0	0		1				3
Republic of Italy	13	0	0	0	25	61	3			102
Jamaica	0	0	0	0		2				2
Japan	5	0	0	0	2	9				16
Republic of Yemen	0	0	0	0						0
Republic of South Africa	0	0	0	0		1				1
Republic of South Sudan	0	0	0	0						0
South Georgia and the South Sandwich Islands	0	0	0	0						0
Hashemite Kingdom of Jordan	0	0	0	0						0
Cayman Islands	0	0	0	0						0
Kingdom of Cambodia	0	0	0	0						0
Republic of Cameroon	0	0	0	0						0
Canada	3	0	0	0		8				11
Republic of Cape Verde	0	0	0	0						0
Republic of Kenya	0	0	0	0						0
Republic of Colombia	2	0	0	0			1			3
Union of the Comoros	0	0	0	0						0
Democratic Republic of the Congo	0	0	0	0						0
Republic of Congo	0	0	0	0						0
Democratic People's Republic of Korea	0	0	0	0						0
Republic of Korea	2	0	0	0	3	8				13
Republic of Kosovo	0	0	0	0						0
Republic of Costa Rica	0	0	0	0						0
Kingdom of Bahrain	0	0	0	0						0
Kingdom of Saudi Arabia	0	0	0	0						0
Kingdom of Tonga	0	0	0	0						0
Republic of Cuba	0	0	0	0						0
State of Kuwait	0	0	0	0						0
Republic of Cyprus	0	0	0	0		2				2
Republic of Kyrgyzstan	0	0	0	0						0
Lao People's Democratic Republic	0	0	0	0						0
Kingdom of Lesotho	0	0	0	0						0
Republic of Lebanon	0	0	0	0						0
Republic of Liberia	0	0	0	0						0
State of Libya	0	0	0	0						0
Principality of Liechtenstein	0	0	0	0						0
Republic of Lithuania	2	0	0	0	7	1				10
Republic of Latvia	0	0	0	0		2				2
Grand-Duchy of Luxembourg	0	0	0	0						0
Republic of Madagascar	0	0	0	0						0
Hungary	0	0	0	0	3	4				7
Malaysia	0	0	0	0	1					1
Republic of Malawi	0	0	0	0						0
Republic of Maldives	0	0	0	0						0
Republic of Malta	0	0	0	0						0
Kingdom of Morocco	0	0	0	0						0
Martinique	0	0	0	0						0
Republic of Mauritius	0	0	0	0						0
Islamic Republic of Mauritania	0	0	0	0						0
United States Minor Outlying Islands	0	0	0	0						0
Plurinational State of Bolivia	0	0	0	0						0
Republic of Moldova	0	0	0	0						0
Principality of Monaco	0	0	0	0						0
Mongolia	0	0	0	0						0
Montserrat	0	0	0	0						0

Republic of Mozambique	0	0	0						0
Republic of Namibia	0	0	0						0
Federal Democratic Republic of Nepal	0	0	0						0
Independent State of Papua New Guinea	0	0	0						0
Independent State of Samoa	0	0	0						0
Federal Republic of Nigeria	0	0	0						0
Republic of the Niger	0	0	0						0
Republic of Nicaragua	0	0	0						0
Niue	0	0	0						0
Netherlands Antilles	0	0	0						0
Netherlands	2	0	0	3	20				25
Kingdom of Norway	4	0	0		6				10
New Caledonia	0	0	0						0
New Zealand	0	0	0						0
Isle of Man	0	0	0						0
Turks and Caicos Islands	0	0	0						0
Islamic Republic of Pakistan	0	0	0						0
Palestine	0	0	0						0
Palestinian Autonomous Area	0	0	0						0
Republic of Panama	0	0	0						0
Republic of Panama	0	0	0						0
Republic of Paraguay	0	0	0						0
Republic of Peru	0	0	0		1				1
Pitcairn Islands	0	0	0						0
Republic of Poland	4	0	0	6	46	6			62
Commonwealth of Puerto Rico	0	0	0						0
Republic of Portugal	8	0	0	16	30	1			55
Province of Åland	0	0	0						0
Republic of Austria	9	0	0	2	21	2			34
Guadeloupe Region	0	0	0						0
Réunion Region	0	0	0						0
Republic of Guinea-Bissau	0	0	0						0
Republic of Haiti	0	0	0						0
Republic of Kazakhstan	0	0	0	6		1			7
Republic of Kiribati	0	0	0						0
Republic of Mali	0	0	0						0
Republic of the Marshall Islands	0	0	0						0
Republic of the Union of Myanmar	0	0	0						0
Republic of Nauru	0	0	0						0
Republic of Palau	0	0	0						0
Republic of Ivory Coast	0	0	0						0
Republic of Equatorial Guinea	0	0	0						0
Republic of San Marino	0	0	0						0
Republic of North Macedonia	0	0	0						0
Republic of Sierra Leone	0	0	0						0
Republic of Tajikistan	0	0	0						0
Republic of Trinidad and Tobago	0	0	0						0
Republic of Uzbekistan	0	0	0		1				1
Republic of Vanuatu	0	0	0						0
Romania	0	0	0		1				1
Russian Federation	0	0	0			3			3
Republic of Rwanda	0	0	0						0
Hellenic Republic	0	0	0	2	16				18
Sahrawi Arab Democratic Republic	0	0	0						0
Republic of El Salvador	0	0	0						0
Republic of Senegal	0	0	0						0
Republic of Seychelles	0	0	0						0
Republic of Singapore	0	0	0		1				1
Slovak Republic	0	0	0	5	45	11			61
Republic of Slovenia	5	0	0	5	9	1			20
Federal Republic of Somalia	0	0	0						0
United Kingdom of Great Britain and Northern Ireland	3	0	0	2	14	2			21
United States of America	3	0	0	1	49	2			55
United Mexican States	0	0	0		3				3
Commonwealth of the Northern Mariana Islands	0	0	0						0
Territorial Collectivity of Saint-Barthélemy	0	0	0						0
Saint Martin	0	0	0						0
Federal Republic of Germany	13	0	0	10	72	4			99
Republic of Serbia	0	0	0	2	2				4
Serbia and Montenegro	0	0	0						0
Serbia and Montenegro	0	0	0						0
Brunei Darussalam	0	0	0						0
State of Eritrea	0	0	0						0
State of Israel	2	0	0		17				19
State of Qatar	1	0	0						1
United Arab Emirates	1	0	0						1
Central African Republic	0	0	0						0
Republic of Sudan	0	0	0						0
Republic of Sudan	0	0	0						0
Sultanate of Oman	0	0	0						0
Republic of Suriname	0	0	0						0
Saint Helena Ascension and Tristan da Cunha	0	0	0						0
Saint Lucia	0	0	0						0
Saint Martin (NL)	0	0	0						0
St Vincent and the Grenadines	0	0	0						0
Kingdom of Swaziland	0	0	0						0
Syrian Arab Republic	0	0	0						0
Salomon Islands	0	0	0						0
Kingdom of Spain	4	0	0	34	16	2			56
Svalbard and Jan Mayen	0	0	0						0
Democratic Socialist Republic of Sri Lanka	0	0	0						0
Kingdom of Sweden	10	0	0	1	11				22
Swiss Confederation	7	0	0	1	18				26
United Republic of Tanzania	0	0	0						0
Territory of Guam	0	0	0						0
Territory of the Wallis and Futuna Islands	0	0	0						0
Kingdom of Thailand	0	0	0		2				2
Tokelau	0	0	0						0
Republic of Togo	0	0	0	1					1
Republic of Tunisia	0	0	0			2			2
Republic of Turkey	1	0	0	19	13	8			41
Turkmenistan	0	0	0						0
Tuvalu	0	0	0						0
Republic of Uganda	0	0	0						0
Ukraine	0	0	0			16			16
Oriental Republic of Uruguay	0	0	0						0
Territory of American Samoa	0	0	0						0
Territory of the Cocos (Keeling) Islands	0	0	0						0
Norfolk Territory	0	0	0						0
Territory of Christmas Island	0	0	0						0
Territorial Communities of Saint-Pierre-et-Miquelon	0	0	0						0
Vatican City State	0	0	0						0
Socialist Republic of Vietnam	0	0	0		1				1
Republic of Zambia	0	0	0		6				6
Curaçao	0	0	0						0
Republic of Zimbabwe	0	0	0			1			1
Hong Kong Special Administrative Region of the People's Republic of China	0	0	0						0
Macao Special Administrative Region of the People's Republic of China	0	0	0						0
Other	0	0	0						0
Total	138	0	0	0	310	674	90	0	1212

Note: * = Outgoing students means students who underwent (completed) a foreign internship in 2023, including students whose internship began in 2022. Only internships lasting at least two weeks (14 days) are included.

Note: ** = Incoming students means students who completed an internship in 2023, including students whose internship began in 2022. Only internships lasting at least two weeks (14 days) are included.

Note: *** = Outgoing faculty and other staff means persons who underwent (completed) a foreign internship in 2023, including staff whose internship began in 2022. Only internships lasting at least five (5 days) are included.

Note: **** = Incoming lecturers/other workers means persons who completed an internship at UCT in 2023, including persons whose internship began in 2022. Only internships lasting at least five (5 days) are included.

Note: ***** = Table 7.2 Mobility of students, academic staff, and other workers by country lists all countries to facilitate data processing by MEYS and to prevent unnecessary workload for universities. If there is no mobility vis-à-vis a country, leave the cell blank.

Note: ***** = Graduate internship means practicum at a foreign company or organization lasting 2-12 months, starting after graduation and ending within one year after graduation. Graduate internships are carried out based on a trilateral agreement between the student, the posting university, and the host organization, institution, or company.

Note: ' ' = Enter zero if there was no virtual mobility at your university. If virtual mobility was carried out, but no information is available, provide a qualified estimate and provide a comment for the cell, cells, or column, such as 'qualified estimate'. If a qualified estimate cannot be provided, leave the cell blank and provide a comment for the cell, cells, or column, such as n/a.

Table 7.3: Graduate mobility** (number and percentage of completed programs)										
UCT Prague	Bachelor's program		Master's program		Follow-up master's program		Doctoral program		TOTAL **	
	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage	Number
<i>FCT</i>										
Percentage [%] and number of graduates who undertook foreign internship lasting at least 14 days during their study program	3,7%	3,0			13,5%	14,0	8,0%	2,0	9,0%	19,0
Percentage [%] and number of doctoral graduates who undertook foreign internship lasting at least one month (30 days)							8,0%	2,0	8,0%	2,0
<i>FET</i>										
Percentage [%] and number of graduates who undertook foreign internship lasting at least 14 days during their study program	0,0%	0,0			13,9%	5,0	10,0%	1,0	9,2%	6,0
Percentage [%] and number of doctoral graduates who undertook foreign internship lasting at least one month (30 days)							10,0%	1,0	10,0%	1,0
<i>FFBT</i>										
Percentage [%] and number of graduates who undertook foreign internship lasting at least 14 days during their study program	0,0%	0,0			12,4%	20,0	12,1%	4,0	7,9%	24,0
Percentage [%] and number of doctoral graduates who undertook foreign internship lasting at least one month (30 days)							12,1%	4,0	12,1%	4,0
<i>FCE</i>										
Percentage [%] and number of graduates who undertook foreign internship lasting at least 14 days during their study program	0,0%	0,0			14,4%	16,0	6,7%	2,0	7,1%	18,0
Percentage [%] and number of doctoral graduates who undertook foreign internship lasting at least one month (30 days)							6,7%	2,0	6,7%	2,0
<i>Study across faculties</i>										
Percentage [%] and number of graduates who undertook foreign internship lasting at least 14 days during their study program	0,0%	0,0			4,0%	1,0			2,2%	1,0
Percentage [%] and number of doctoral graduates who undertook foreign internship lasting at least one month (30 days)									0,0%	0,0
<i>UCT Prague</i>										
Percentage [%] and number of graduates who undertook foreign internship lasting at least 14 days during their study program	0,9%	3,0			12,8%	56,0	9,2%	9,0	7,8%	68,0
Percentage [%] and number of doctoral graduates who undertook foreign internship lasting at least one month (30 days)							9,2%	9,0	9,2%	9,0
<i>UCT Prague</i>	0,9%	3,0	0,0%	0,0	12,8%	56,0	9,2%	9,0		

Note: * = A faculty or another university unit delivering an accredited study program.

Note: ** = The total values per faculty (last cell in the top line for each faculty) and for UCT Prague (all empty fields per university in the Annual Report) are neither the sum nor the average of the values in the preceding rows and columns. The values of these cells need to be calculated separately.

Table 8.1: Conferences (co-)organized by UCT Prague (number)

UCT Prague	More than 60 participants		International conferences**	
	In-person***	Virtual***	In-person***	Virtual***
<i>FCT</i>	12		8	
<i>FET</i>	9		3	
<i>FFBT</i>	3		3	
<i>FCE</i>	1		2	
<i>Total in other units</i>	2		2	
TOTAL	27	0	18	0

Note: * = A faculty or another university unit delivering an accredited study program

Note: ** = A conference is considered international if it features at least one foreign speaker and if all papers are presented in at least one of the following languages – English, French, German, or the language applicable to the specialization of the conference, such as the featured language of a philology conference.

Note: *** = A conference is classified in the category if attended using the applicable form by more than 50% of participants (estimate). The categories are mutually exclusive.

Table 8.2: Experts from the application sector* taking part in teaching and practicum under accredited study programs (number)

UCT Prague	Persons employed by UCT or its unit			Persons not employed by UCT or its unit		
	Teaching staff	Thesis supervisors	Practicum supervisors***	Teaching staff	Thesis supervisors	Practicum supervisors***
FCT**	29	2	1	9	3	72
Including women	14	0	0	2	1	24
FET**	18	1	7	4	0	3
Including women	6	0	2	0	0	0
FFBT**	10	1	0	11	3	99
Including women	5	0	0	2	2	57
FCE**	2	4	0	12	13	41
Including women	1	1	0	0	5	15
Study across faculties**	9	1	24	26	0	0
Including women	4	1	21	5	0	0
TOTAL	68	9	32	62	19	215
Including women	30	2	23	9	8	96

Note: * = Experts from the application sector taking part in teaching one third or more of the number of lessons allocated to a course or supervising student theses. Experts who are core UCT/faculty employees must have employment corresponding to the same FTE percentage outside the UCT/faculty.

Note: ** = A faculty or another university unit delivering an accredited study program/field of study.

Note: *** = Persons directly responsible for student practicum.

Table 8.3: Study fields/programs**** with mandatory practicum*** lasting one month or more* (number)

	Number of study fields/programs****	Active enrollments					
		Bachelor's program		Master's program		Follow-up master's program	
		Academic profile	Professional profile	Academic profile	Professional profile	Academic profile	Professional profile
UCT Prague							
<i>FCT</i>	6					123	
<i>FET</i>	2					18	
<i>FFBT</i>	9					172	
<i>FCE</i>	1					35	
<i>Study across faculties</i>	1					12	
TOTAL	19	0	0	0	0	360	0

Note: * = Practicum duration may be shorter, but its total duration must be no shorter than one month.

Note: ** = A faculty or another university unit delivering an accredited study program/field of study.

Note: *** = Practicum is mandatory if required under the study program accreditation; it can be part of a subject or a separate subject. Practicum consists of specialized professional training.

Note: **** = Figure pertaining to the lowest accredited unit/specialization, or for the study program if it is not divided into specializations.

Table 8.4: Transfer of knowledge and results of research into practice				
UCT Prague				
	Czech Republic	Other countries	TOTAL contracts	TOTAL revenues
New spin-off/start-up undertakings*			1	
Filed patent applications	2	2	4	
Granted patents**	10	4	14	
Registered utility models	24	0	24	
Licensing agreements in effect as at December 31	18	1	19	
New licensing agreements	0	1	1	2 482 250 CZK
Contract research***, consulting and counselling***			1632	264 635 152 CZK
Paid training courses for employees of application sector organizations***			271	19 786 623 CZK

Note: *= New spin-off/start-up companies supported by the university in 2023 (number).

Note: **= In regard to European patents, only one country is reported under 'Other countries', regardless of the number of designated countries.

Note: ***= The definitions of the revenue- and value-related items in the table must correspond to the 2023 Annual Financial Report for Public Higher Education Institutions (Table 6). Private higher education institutions provide the relevant data at their discretion.

Licensing agreement is defined as the grant of rights, to the agreed extent and in the agreed territory, to obtain or to provide a license providing one of the forms of protection of intellectual and industrial property. Licensing agreements are entered into in writing for patented inventions, utility models, industrial designs, semiconductor topography, new plant varieties, new animal breeds, and protected trademarks. The licensor authorizes the licensee to exercise intellectual and industrial property rights to the agreed extent and in the agreed territory, and the licensee undertakes to pay licensing fees or another form of compensation. The purpose of a licensing agreement is to lay down a legal framework between the licensor and the licensee for the use of copyrights or intellectual property rights.

Contract research is commissioned based on cooperation (interaction) that primarily meets specific research needs of entities from the application sector. Contract research is conducted by a university for a fee based on the client's needs and requirements. Contract research typically involves large-scale projects, original research, and a written report. It is usually commissioned by a specific organization and serves its needs. Funds paid by the client from the application sector for the research may come from public or private sources. Cases where a higher education institution receives special-purpose grant for applied research are not considered contract research.

Paid training courses improve the qualifications of employees of application sector organizations, such as training courses organized by companies. Application sector organizations are entities whose main focus is other than research and development. They include business corporations, government authorities, nonprofit organizations, and others, provided that research is not the primary purpose of their operations. Revenues are included from customized training courses delivered based on an agreement with an organization for its employees. The reported figures concern courses created based on an agreement with the client for the purpose of training its staff, as opposed to costs incurred by trainees attending training courses who are employed by a company meeting the above definition.

Consulting and counselling services consist of providing the client with expert advice, opinion, or task that largely depends on the university's expertise. Consulting and counselling services are provided by the university to the client for payment on a commercial basis. The principal purpose of consultation services is allowing the client to understand a certain phenomenon, as opposed to creating new knowledge.

Summary information for Table 8.4		
New licensing, contract research, consulting, counselling contracts, and paid training courses for employees of application sector organizations	Total contracts	Total revenues
	1904	286 904 025 CZK
	Average revenues per contract	
	150 685 CZK	

Table 12.1: Accommodation, boarding

UCT Prague	Number
Total capacity of the school's dormitories	1 651
Number of beds in rented facilities	0
Number of filed accommodation applications/reservations as at 31/12/2023	2 210
Number of satisfied accommodation applications/reservations as at 31/12/2023	1 719
Number of beddays in the year 2022	472 676
Number of main courses served in the year 2023 to students	27 022
Number of main courses served in the year 2023 to the school's employees	0
Number of main courses served in the year 2023 to other clients	17 478

Table 12.2 Libraries	
UCT Prague	Number
New library items for the year	1018
<i>of which</i> physical items	928
<i>of which</i> e-books in permanent purchase	90
Library fund in total	89536
<i>of which</i> physical items	77419
<i>of which</i> e-books in permanent purchase	12117
Number of subscribed periodicals:	
- physical	40
- electronic (estimate)*	23
- in both forms**	0

Note: * = These are only periodicals to which the library subscribes itself (or which the library receives as a gift or exchange) in the paper form or electronic version.; it does not include other periodicals to which library users have access within full-text resources consortia.

Note: ** = The number of titles in both forms include only the titles where both forms are paid separately (i.e.. if the library subscribes to a print and the electronic version is a free bonus, only the printed form is reported, etc.).

Note: = Electronic items include only individually purchased titles, not books and periodicals which are part of "package" subscriptions from publishers of professional and scientific literature.