

The Admission Proceedings to PhD Study

Extraordinary term of the admission to PhD study

In line with the Conditions of Admission to Study and Admission Proceedings at the UCT from July 11 2017, the Dean of the Faculty of the Chemical Engineering at the UCT Prague has announced an extraordinary of the Admission to PhD study for the 2025/2026 academic year, with the beginning of the study from March 1, 2026, for the below-mentioned study programmes:

Chemical and Process Engineering Chemistry Drugs and Biomaterials

The applicants can choose the below-mentioned topics:

Chemical and Process Engineering:

Electrocatalytic activation of innovative porous electrodes for redox flow batteries (AD401)

supervisor: prof. Juraj Kosek

Fast characterization and demonstration of optimized electrodes for redox flow batteries (AD401), supervisor: prof. Juraj Kosek

Modelling of fluid flow during processing of colloidal suspensions (AD401), supervisor: prof. Miroslav Šoóš

Utilization of inter- and intra-molecular interactions in modelling of drug-polymer systems, (AD401), supervisor: prof. Miroslav Šoóš

Deep eutectic solvents for synthesis and separation of enantiomers, (AD401), supervisor: prof. Michal Přibyl

Mathematical modeling of continuous-flow bioreactors and bioseparators, (AD401), supervisor: prof. Michal Přibyl

Drugs and Biomaterials

Particle informatics, (AD105), supervisor: prof. Miroslav Šoóš

Chemistry:

Glycerol-based dendrimers for active ingredient encapsulation: a physicochemical approach (AD402), supervisor: Magdaléna Bendová, Ph.D.

Preparation of Chiral Molecular Receptors Capable of Generating Singlet Oxygen and Study of Their Photocatalytic Properties (AD402), supervisor: doc. Bohumil Dolenský

Design, Preparation, and Study of the Bioactivity of New Tröger's Base and Spiro-Tröger's Base Derivatives, (AD402), supervisor: doc. Bohumil Dolenský

Covalent modification of solid surfaces by chemical selectors and study of their applicability for compounds separation and for construction of selective chemical sensors, (AD402), supervisor: doc. Bohumil Dolenský

The entrance interviews will take place at the Department of the Chemical Engineering or Department of Analytical Chemistry or Department of Physical Chemistry in January 19 – 23, 2026. The applications should be submitted to the Dean's Office of the Faculty of Chemical Engineering till January 2, 2026. anna.vaneckova@vscht.cz .

Application: <https://fchi.vscht.cz/faculty/board/115401>

In Prague, November 25, 2025

Prof. Ing. Michal Přibyl, Ph.D.

Dean