IAESTE

INTERNSHIP OFFER
CZ-2026-020019

Prague, Czech Republic ON-SITE

INTERNSHIP HOST

Name of Company
University of Chemistry and Technology, Prague
Physical Chemistry

Website
www.vscht.cz

Address of Company
Prague
Czech Republic

Number of Employees
1000

Business or Product
chemistry

STUDENT REQUIRED

General Discipline
Biochemistry;Chemistry and Chemical Engineering;Mining and Mineral Engineering;Pharmaceutical Studies / Pharmacology

Field of Study
General;Chemoinformatics

Completed Years of Study
2

Language Required
English Fair (A2) Or
German Fair (A2)

Required Qualifications and Skills
Thermodynamics | Microsoft OfficeThe candidate should be able understand basic physical chemistry and principles of experimental thermodynamics, be familiar with MS Office tools, and have experience in laboratory. Basic programming skills are welcome.

Student Status Requirements
Required during the whole period of internship

Other Requirements/Information
Interview may be required

INTERNSHIP OFFER

6 - 6
weeks

Latest Possible Start Date
02-Nov-2026

Within Months
Sep-2026 - Dec-2026

Company Closed WIthin
-

14000
CZK
per Month

Deductions Expected
0

Payment Method
Cash

5500 CZK
per Month

Arranged by
IAESTE

Estimated Cost of Living including Lodging
12000 CZK / Month

Working Environment: Research and development;Office work

Working Hours / Week: 25.0

The Laboratory of chemical equilibria is engaged in the experimental study of chemical equilibria and related thermodynamic properties in multicomponent aqueous and non-aqueous systems of various (in)organic substances. Our main focus is on interactions in biologically, pharmaceutically and technologically relevant systems containing e.g. surfactants, macrocyclic compounds, proteins, pharmaceutically active substances (APIs) and minerals. In these systems, we mainly study: formation of inclusion complexes of macrocyclic compounds (cyclodextrins) with surfactants and VOCs, the effect of additives on protein denaturation and on the collapse of thermoresponsive polymers, increasing the (bio)availability of poorly soluble minerals and APIs. Since phase and chemical equilibria are interconnected, we use experimental thermodynamic tools to study these interactions, ranging from equilibrium measurements (liquid-vapor, liquid-liquid, liquid-solid) to solution calorimetric measurements (ITC, DSC). Currently, we focus also on acquisition of thermophysical properties for correct benchmarking of the molecular dynamic simulations.

The candidate will prepare samples, set-up and perform experiments, acquire and analyze the data, and finally present them (short report, presentation).

ADDITIONAL INFORMATION

Please follow the instructions for preparing nomination documents and the visa process in the attached document. This document is intended only for you and your student; please do not include it in the student's nomination.

IAESTE provides accommodation in a student dormitory, where interns are housed in shared double rooms with same-sex roommates. If the intern prefers a single room, they are responsible for arranging alternative accommodation independently.

Deadline for Nomination - 2026-05-11

Date - 21-Apr-2026

On Behalf of Receiving Country - IAESTE Czech Republic