



WORK OFFER

Ref. No. CZ-2023-100001

Employer Information

Employer: Brno University of Technology - Faculty of Chemistry
Institute of Physical and Applied Chemistry
Purkynova 118

61200, Brno
Czech Republic

Website: <https://www.fch.vut.cz/en.html>

Location of placement: Brno
Nearest airport: Prague, Brno, Vienna
Working hours per week: 30.0
Working hours per day: 6.0

Number of employees: 120

Business or products: Research and development

Student Required

General Discipline: MATHEMATICS AND STATISTICS; CHEMISTRY
AND CHEMICAL ENGINEERING

Completed years of study: 3

Field of Study: Applied Mathematics, General.; Physical Chemistry.;
Polymer Chemistry.; Environmental Chemistry.;
.Materials Science.

Student status requirements: required when nominated

Language required: English Good (B1, B2)

Required Qualifications and Skills:

Thermodynamics | Strategic Thinking | Simulation | MATLAB | Mathematics

Other requirements:

Students willing to work on computer. Suitable also for student of (applied) mathematics or mathematical modeling. Experience with COMSOL advantageous but not necessary. Online interview could be required.

Basic knowledge of equations in mathematical physics, capability of using computer software to solve these equations and basic capability of programming.

Work Offered

Generally, stay will be based on the COMSOL modelling platform (<https://www.comsol.com/>). Depending on the current stay of our lab's research the specific stay task may include: 1) modelling of controlled release from hydrogel matrices; 2) modelling of molecular or nanoparticle transport (diffusion) within viscoelastic hydrogel matrix; 3) evaluation and modelling experimental data on release or transport; 4) construction of in vivo-close geometries (structures) for realistic modelling of drug carriers movement and drug release.

Number of weeks offered: 8 - 8

Working environment: Research and development

Within the months: 02-MAY-2023 - 02-AUG-2023

Gross pay: 15000 CZK / Month

Or within: 15-AUG-2023 - 15-NOV-2023

Deduction to be expected: no

Company closed within: -

Payment method / time of first payment: Bank Transfer / monthly, first payment after 1 month

Latest possible start date:

Accommodation

Canteen at work: Yes

Expected type of accommodation: Student dormitory

Estimated cost of lodging: 5000 CZK / Month

Accommodation will be arranged by: IAESTE

Estimated cost of living incl. lodging: 12000 CZK / Month

Additional Information

Please follow the instructions for preparing nomination documents and the visa process in the attached document. These documents are only for you and your student, please don't add them into your student's nomination!

Nomination Information

Deadline for nomination: 15-MAR-2023

Date: 25-JAN-2023

On behalf of receiving country: IAESTE Czech Republic



IAESTE

Czech Republic

Nomination guide for applications to the Czech Republic

Dear student,

the purpose of this document is to provide guidance for the preparation of your nomination documents for the internship in the Czech Republic. Please follow the steps listed below, before sending your nomination to us.

Structure of nomination documents

All documents must be in **English**.

The final nomination document needs to have sections listed below, please keep the order of individual sections as listed. Before sending your nomination please check if all the pages have the same size.

1. *Work offer*
 - i. The original document that is available on Exchange Platform
2. *Student nomination*
 - i. Use the digital version of the document and not one that is filled out by hand
 - ii. Make sure the dates and duration you selected to fit into those specified in the work offer
3. *Motivation letter**
 - i. Focus on the work-related information
 - ii. At most 1 page
4. *CV**
 - i. Use a structured form of CV
 - ii. At most 2 pages
5. *Transcript of records*
 - i. The document must be in English, verified by your university (stamp and signature needed)
 - ii. Grade scale must be included
6. *Language certificate*
 - i. Do not upload certificates older than 2 years
 - ii. Upload certificates for all languages required by work offer
7. *Confirmation of enrollment*
 - i. Work offer may require this document to be valid throughout the whole period of internship
 - ii. The document must be in English, verified by your university (stamp and signature needed)
8. *Recommendation letter *(only if required by the employer)*
9. *Scan of valid passport/ID*
 - i. Page with the travel documents should be placed on a page with size as the rest of documents
 - ii. The travel document should be placed in the upper left corner
10. *Passport-sized photo*
 - i. The Photo should be added in the same way as your travel documents
 - ii. Use a formal picture, no photos with friends or holiday pictures!

Any other relevant (!!) documents should be added to the end of the nomination document.



IAESTE

Czech Republic

*Beware the motivation letter and CV are the only documents written solely by you. Make sure these documents contain information relevant to the employer and check for any grammar mistakes.

All documents should be combined into one PDF, sent using the Exchange Platform. Documents sent using other ways of delivery will not be considered as proper nomination documents and will not be processed in compliance with General Data Protection Regulations (GDPR).

Visa process

Listed below you will find government websites dedicated to the visa process. Keep in mind that this process usually takes a quite long time, apply for your visa as soon as possible. Thanks to accreditation by MEYS, you can apply for a student visa. Upon acceptance by the employer, we will support your claim for a student visa with an invitation letter and confirmation of accommodation.

- ❖ Visa is not required for citizens of the EEA (EU, Switzerland, Liechtenstein, Iceland, Norway)
- ❖ Short-term Schengen visa (up to 90 days)
 - Countries with a visa exception
 - Countries with a visa obligation
- ❖ Long term visas (over 90 days) are obligatory for all countries except for EEA countries.