



INTERNSHIP OFFER

CZ-2026-040012

📍 Liberec, Czech Republic

📅 ON-SITE

INTERNSHIP HOST

📄 Name of Company
Technical University of Liberec

🌐 Website
www.tul.cz

📍 Address of Company
Liberec
Czech Republic

👤 Number of Employees
1000

🤝 Business or Product
research

INTERNSHIP OFFER

📅 8 - 8
weeks

💰 15000
CZK
per Month

🛏️ 5000 CZK
per Month

Latest Possible Start Date

Within Months
Sep-2026 - Oct-2026

Company Closed Wlthin
-

Deductions Expected
0

Payment Method
Cash

Arranged by
Employer

Estimated Cost of Living including Lodging
10000 CZK / Month

Working Environment: Research and development

Working Hours / Week: 40.0

STUDENT REQUIRED

🎓 General Discipline
Mechanical Engineering

Field of Study

applied mechanics, 3D printed structured materials

Completed Years of Study
2

Language Required
English Good (B1, B2)

Required Qualifications and Skills
Basics of Matlab.

Student Status Requirements
required during the whole period of internship

Other Requirements/Information
Student's specialization: Applied Mechanics, 3D printed structured materials
Online interview can be required

3D printing technology allows to produce materials with a specific internal structure called also lattice structures. These structures may have a random topology inspired by naturally created materials like foams. We are interested in flexible structures allowing large deformations. The research on investigation of mechanical properties of these structures depending on material, topology, density is being performed in our Laboratory of Experimental Mechanics. The laboratory is fully equipped with material testing machines (tensile testing machines, DIC systems) and 3D SLA printer. The typical research workflow comprises computer design of structure geometry, 3D printing, measuring mechanical properties and computer simulation. Most probable activities of visiting student are supposed to be:

- computer design of geometry of testing specimens,
- 3D printing,
- material testing, measurements,
- processing of testing data,
- research on influence of direction of 3D printing to mechanical properties of material,
- evaluation of geometrical errors.

ADDITIONAL INFORMATION

Please follow the instructions for preparing the nomination documents and the visa process in the attached document. This document is only for you and your student, please don't include it in your student's nomination.

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

Deadline for Nomination - 2026-04-26

Date - 17-Apr-2026

On Behalf of Receiving Country - IAESTE Czech Republic