

Internship with Technische Prüf- und Überwachungs-Gesellschaft mbH

- Open to: Students from the University of Alberta, MacEwan University, or Concordia University of Edmonton studying Electrical Engineering, Mechanical Engineering, Automotive Engineering, or similar
- Applications: accepted on a rolling basis¹
- Duration: flexible, to be discussed, earliest starting date: May 2024

TPÜ GmbH based in Paderborn, a collaboration partner of Hochschule Bielefeld – University of Applied Sciences and Arts (HSBI), is welcoming applications for an internship from students studying Electrical Engineering, Mechanical Engineering, Automotive Engineering, or similar.

TPÜ GmbH operates in two business branches:

- vehicle damage, defects and malfunctions assessment as well as traffic accident reconstruction
- vehicle inspections for roadworthiness

Application documents:

- Letter of motivation
(max. 1 page, please state the desired starting date, duration and whether the internship is mandatory)
- CV in tabular form
- A copy of your transcript of records

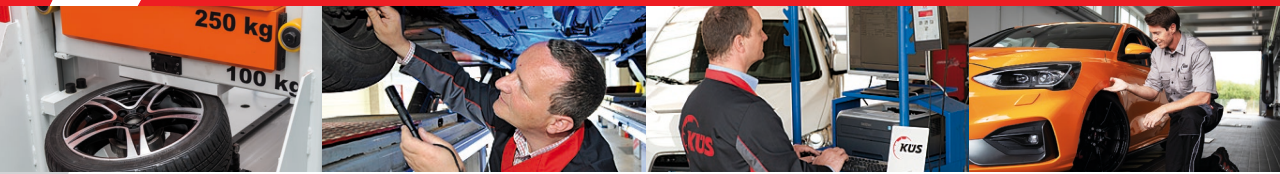
For further details please see below.

Students must apply through the Education Abroad office at their university first!

Contact:

- TPÜ GmbH, Dr.-Ing. Marcus Berg: dr.m.berg@tpue.de
- HSBI, International Office: vanessa.schaut@hsbi.de

¹ Students who are eligible for the Youth Mobility Visa or who are an EU citizen should apply at least 3 months prior to the desired starting date. All other students should apply for an internship at least 5-6 months prior to the desired starting date.



Internship offers for the students of the Canadian partner universities of the Alberta-OWL Cooperation

YOUR SKILLS

- independent working
- teamwork
- thoroughness
- communication skills

You will get an insight into the work in the field of product safety, type approval and periodic monitoring in the field of automotive technology.

YOUR TASK

Possible project tasks:

- Design (construction) of a test stand for pedelcs and e-bikes to investigate the speed-dependent motor support
- Revision of a prototype for quantitative pressure loss measurement in combustion chambers of internal combustion engines
- Construction of a functional model of a pneumatic commercial vehicle brake system
- Investigation of the possibilities of uncovering illegal chip tunings using specific diagnostic tools in the field
- Development of a market overview of dash cams and their evaluation with regard to data quality and GDPR conformity
- Your own idea of a project that might interest us

YOUR PROFILE

You are studying technical subjects (electrical engineering, mechanical engineering, automotive engineering or similar) at the University of Alberta (www.ualberta.ca), MacEwan University (www.macewan.ca), Concordia University of Edmonton (www.concordia.ab.ca) or the Northern Alberta Institute of Technology (www.nait.ca) and would like to do an internship in Germany as part of the Alberta-OWL university cooperation.

You are a team player and do not shy away from the challenge of working on a technical project in Germany. The fact that our working language is German and our English is worse than yours does not deter you, it challenges you. Your technical skills are certainly sufficient for one of the projects described or a jointly defined project.

OUR OFFER

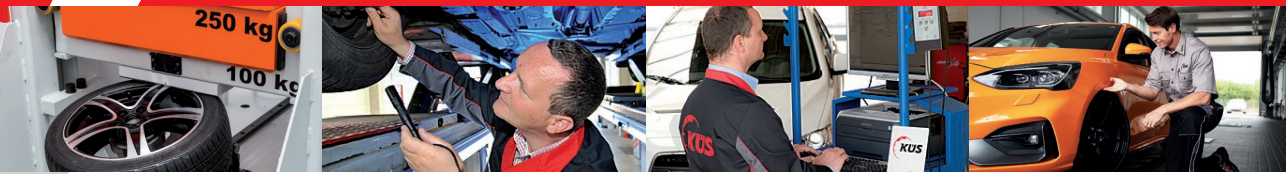
We offer you an interesting internship in a friendly team and contact persons who are also looking for the challenge of such an internship and who will activate their English skills to the best of their ability to achieve the project goal together with you. The time and duration of the internship can largely be based on the requirements of your degree program and the conditions of your exchange program.



Technische Prüf- und Überwachungs-Gesellschaft mbH

Karl-Schurz-Str. 36 • 33100 Paderborn

Tel. (052 51) 57173-0 • Fax (052 51) 57173-33 • www.tpue.de • info@tpue.de



ABOUT US

TPÜ GmbH operates in two business branches.

In the first business branch, expert reports on damage assessment, on defects and malfunctions in vehicles and on the reconstruction of traffic accidents have been written for more than 50 years.

In the second business branch, periodic roadworthiness tests for vehicles for over 25 years have been carried out and meanwhile measuring equipment is calibrated in relation to international standards, and examinations for type approvals are assessed and new approaches to traffic accident reconstructions (drone mapping, cdr) and to transport safety surveillance are evaluated and designed.

We are an owner-managed company with 7 engineers, 2 foremen and 3 administrative employees. We live flat hierarchies in order to keep processes and customer care flexible and responsive. Lively communication and exchange at eye level are essential for this. Our employees are happy to come up with suggestions for improvement in order to ensure our company's long-term success. We value a pleasant working atmosphere, trusting cooperation and long-term prospects.

To be one of us means to follow inner principles and make decisions with meaning. Creating more security and more value with curiosity, accuracy and objectivity.

We look after private and commercial customers and partners in Paderborn and a 50 km radius - preferably for their entire life. Our customers are loyal to us because they value our comprehensive, competent and trustworthy work very much.

We too would like to make our contribution to the preservation of an environment worth living in. For example, we use a 60 kWp photovoltaic system on our company building, which means that we generate the majority of our electricity needs ourselves, we have replaced our old lighting system with environmentally friendly LED technology and the seepage of rainwater on our own property also feeds our green oasis bee-friendly flower field.

Thanks to our sustained success, we can and would like to give some back to society. For example, we support the "House of Little Scientists" network, which encourages kindergarten children to experiment in a playful way. We also support youth teams and, on a project basis, the Wewer church choir and the Paderborn police choir.



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