

Internship with Komax Testing Germany GmbH

Open to:	Students from University of Alberta, MacEwan University, Northern Alberta Institute of Technology, Concordia University of Edmonton studying Electrical Engineering
Applications:	accepted on a rolling basis ¹
Duration:	flexible, to be discussed

Komax Testing Germany based in Porta Westfalica / Germany, a collaboration partner of Hochschule Bielefeld – University of Applied Sciences and Arts (HSBI), is welcoming applications for an internship from Electrical Engineering students.

For further details please see below.

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

Contact:

- Komax Testing Germany, Ulrike Walkenhorst-Markl, HR-Manager: ulrike.walkenhorst-markl@komaxgroup.com
- HSBI, International Office, Vanessa Schaut: 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.



komax

Komax Testing Germany, a company of the Komax Group, makes life safe. As a well-known global market champion, we have been successfully meeting this responsibility for 40 years. For electrical, electronic, and mechatronic components, we supply the appropriate quality assurance systems for key products in cars, in the aircraft industry or in the high-tech-industry. With our efficient and innovative solutions for wire harness production as well as for testing, we „push“ e-mobility and concepts for autonomous vehicles. The result in this challenging business is our leadership in the global market including setting standards.

More than 550 colleagues work in more than 20 service and production locations worldwide: 80 of them at our important location in Porta Westfalica. With great customer proximity, high commitment, and competent advice, we ensure individual, fast, and good solutions. At Komax, you will work in an inspiring, international environment in which employees are valued. We give you creative freedom and the opportunity to take on responsibility. Use our competence to advance yourself as well as the company. Together with you, we can open the world of tomorrow for our customers.

In our location in Porta Westfalica, we are looking for interested and committed students, working students, Bachelor- or Master-Thesis for

Electrical engineering

The candidate (all genders) gives support for running projects or works independently on complete tasks, receiving support through Komax Engineers & Experts. Komax appreciates Bachelor- or Master-Theses according to given themes above under professional supervision of your Professor/Institute.

Upcoming tasks and challenges in Komax-Testing are:

- Checking wire harness and its attachments for faults using image recognition
- New technology to test wires for continuity while harness production (inline testing)
- Increase testing speed by faster communication and measurement technologies

Your competence profile should match with knowledge of at least 2 of the following topics:

- Autodesk EAGLE or similar printed circuit board design environment
- Hardware related programming of microcontrollers in C, ideally about STM32
- Analog measurement technologies
- Image recognition, ideally by AI
- Communication channels like RS485
- Wireless communication protocols (e.g. ZigBee)
- Embedded systems, including Linux
- Software programming in C++ and/or C#
- Robotic

and a lot of fun acquiring new technologies and knowledge independently.

We are happy to provide you with further information. Please contact:

Ulrike Walkenhorst-Markl, HR-Manager, Tel. +49 571 7958 560

ulrike.walkenhorst-markl@komaxgroup.com