



# KOSPIE

## Combined Study and Practice Stays for Engineers from Developing Countries

### Information on German Institution

*This fact sheet will be published for potential scholarship candidates to inform themselves about participating German universities and institutions. Please fill in the form with potential candidates in mind who might have very little background knowledge about living and studying in Germany. Information provided should be specific for the programme.*

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### 1. General information

#### 1.1 Logo and image of university



Visit our website: <https://www.uni-hannover.de/>

#### 1.1 Institution has been accredited by

Leibniz Universität Hannover (LUH) is a public state university regulated by the University Act of Lower Saxony (Niedersächsisches Hochschulgesetz-NHG). It has the right to confer doctoral degrees and cater for the education and training of the next generation of academics. LUH is member of the TU9 (the alliance of leading universities in STEM fields in Germany) and the German Rectors' Conference (HRK).

#### 1.2 Does your institution follow the code of conduct for exchange programmes?

Yes ☒ No ☐

#### 1.3 Location of the institution. *Please specify if the institution has more than one location. (up to 100 words)*

Hannover (capital of the Lower Saxony) is the greenest city in Germany, open-minded, multicultural and wide cultural offer. The Faculty of Natural Sciences is spread over the north of the Leine river, surrounded by large green areas, the Botanical Garden, the Royal Barock garden, historical buildings and palaces. Faculty itself counts with both historical buildings and modern, up-to-date research centres and labs. The Faculty of Mechanical Engineering is located in a modern campus only 20 minutes by tram from the main campus and combines its



future-oriented infrastructure with new opportunities for cooperation in research and teaching, and knowledge transfer.

## 2. Faculties and Bachelor programmes participating in the programme

Faculty	Bachelor programmes + webpage-link
1. Faculty of Mechanical Engineering	<p>1. 1. Institute for Multiphase Processes &amp; Centre for Biomedical Engineering (Research projects under the leading of Prof. Prof. h.c. Dr Birgit Glasmacher: <a href="http://www.imp.uni-hannover.de/de/institut/team/birgit-glasmacher/">www.imp.uni-hannover.de/de/institut/team/birgit-glasmacher/</a>)</p> <ul style="list-style-type: none"> <li>- Bio-interface Engineering</li> <li>- Bio-compatible Polymers</li> <li>- Biomedical Engineering</li> <li>- Implantology</li> <li>- Cryogenics and Biorefrigeration</li> <li>- Medical Process Engineering</li> <li>- Transport processes in chemical engineering</li> <li>- Multiphase flows</li> </ul> <p>1.2. Institute of Forming Technology and Machines: Research internships in following areas: <a href="http://www.ifum.uni-hannover.de/de/forschung/aktuelle-projekte/">www.ifum.uni-hannover.de/de/forschung/aktuelle-projekte/</a> For further information regarding courses: <a href="http://www.maschinenbau.uni-hannover.de/en/study/range-of-courses-offered-by-the-faculty/">www.maschinenbau.uni-hannover.de/en/study/range-of-courses-offered-by-the-faculty/</a></p>
2. Faculty of Electrical Engineering and Computer Science	<p>2.1 Sustainable Engineering, B. Sc. <a href="http://www.maschinenbau.uni-hannover.de/en/study/range-of-courses-offered-by-the-faculty/sustainable-engineering-b-sc/">www.maschinenbau.uni-hannover.de/en/study/range-of-courses-offered-by-the-faculty/sustainable-engineering-b-sc/</a></p> <p>All degree programmes: <a href="https://www.fei.uni-hannover.de/en/studies">https://www.fei.uni-hannover.de/en/studies</a> For more Information regarding Electrical Engineering: Dipl. Franziska Arens. For more Information regarding Computer Science: Arne Meier</p>



3. Faculty of Civil Engineering	<p>3.1. Institute of Water Quality and Waste Management (Prof. Dr.-Ing. Regina Nogueira: <a href="http://www.isah.uni-hannover.de/de/institut/">www.isah.uni-hannover.de/de/institut/</a> , PD Dr.-Ing. habil. Dirk Weichgrebe: <a href="http://www.isah.uni-hannover.de/de/institut/">www.isah.uni-hannover.de/de/institut/</a>),</p> <ul style="list-style-type: none"> <li>- Waste and recycling management</li> <li>- Urban water management</li> <li>- Water Supply</li> <li>- Industrial water management</li> <li>- Hydromechanics</li> <li>- Flow and transport processes</li> </ul> <p>All degree programmes: <a href="https://www.fbg.uni-hannover.de/en/studies/before-studying#c30047">https://www.fbg.uni-hannover.de/en/studies/before-studying#c30047</a></p>
4. Faculty of Natural Sciences:	<p>4.1 Institute of Botany (Prof. Dr. Jutta Papenbrock: <a href="http://www.botanik.uni-hannover.de/en/research/research-groups/papenbrock-group/">www.botanik.uni-hannover.de/en/research/research-groups/papenbrock-group/</a>)</p> <p>4.2. Institute of Geobotany (Prof. Dr. rer. nat. Emily Alice Poppenborg: <a href="http://www.geobotanik.uni-hannover.de/de/emily-poppenborg/">www.geobotanik.uni-hannover.de/de/emily-poppenborg/</a> <a href="http://www.geobotanik.uni-hannover.de/en/teaching/studying-with-us/">www.geobotanik.uni-hannover.de/en/teaching/studying-with-us/</a>) in the areas of:</p> <ul style="list-style-type: none"> <li>- Plant Biomolecular Research</li> <li>- Water and wastewater biology / incl. "microbiology".</li> <li>- Agroecology</li> <li>- Landscape ecology</li> <li>- Biodiversity of arthropods, ecosystem functions and services</li> </ul> <p>All degree programmes: <a href="https://www.naturwissenschaften.uni-hannover.de/en/studies/degree-programmes/">https://www.naturwissenschaften.uni-hannover.de/en/studies/degree-programmes/</a></p>

(for further entries/faculties please add lines)

### 3. Services for international/KOSPIE students and special attractions of the area

3.1 What kind of services do you offer to international students and especially for KOSPIE students?  
(up to 150 words)

There are a wide range of activities and programmes centrally organised by International Office for all international students: pre-arrival information (online), orientation days at the beginning of the term, a wide (inter)cultural activities, as well as workshops to study and live in Germany. The Study Buddy Programme ([www.uni-hannover.de/study-buddy](http://www.uni-hannover.de/study-buddy)) helps international students to get in touch with Hannover students even before arrival. Additionally, there are welcome and information programmes organised by each faculty, and for different specific and degree-related programmes.

KOSPIE students have additionally to this offer a pre-arrival orientation programme, as well as a tutor programme, a place for a student dorm (not in private housing), Spanish speaking counselling if needed, regular follow-up meetings, specific language tandem programmes and trainings, workshops to prepare your internship applications and to accompany during it; as well as visits to research centres, companies, etc.

Besides the Psychological and Therapeutic Counselling (PTB) for the whole university, the Faculty of Mechanical Engineering offers this support for their students too.

3.2 What are the most special attractions for international students in the region?  
(up to 250 words)

The City of Hannover embraces 51 districts – and every one of them has a “scene” with a charm of its own and its own particular highlights and plus points. You can find a complete guide (and guided online tour!) of the different districts and their attractions under the following link: [www.hannover-living.de/](http://www.hannover-living.de/).

Furthermore, a complete calendar of cultural and spare time activities (many of them for free the whole year!) are available: [www.visit-hannover.com/en](http://www.visit-hannover.com/en)



Hannover is one of the greenest large cities in Europe with numerous parks spread throughout the city and the Eilenriede, one of the biggest city-forests in Europe; and the Maschsee, an artificial lake in the city centre.

You can also find a variety of sport associations in the city:  
[www.hannover.de/Kultur-Freizeit/Freizeit-Sport/Sport/Sport-im-Verein-in-Stadt-und-Region](http://www.hannover.de/Kultur-Freizeit/Freizeit-Sport/Sport/Sport-im-Verein-in-Stadt-und-Region)

Hannover is also a great place to network with socio-environmental engaged people from all over the world. A few examples of organisations for young people are at the university:

- MakerLab Hannover — the makerspace at the Leibniz University Hannover ([/makerlab-hannover.de/](http://makerlab-hannover.de/))
- Weitblick: where, dedicated volunteers exert their knowledge, their talents, and their skills in social projects.  
<https://weitblicker.org/en/idea/>

Other Groups and Associations at the LUH: Bing Band, LUH Philharmonic Orchestra, Uni-Kino (University Cinema Club), ERASMUS Student Network (open for all LUH students), LUH Choir, Literary Salon, English Theater, and more than 40 different other student associations.

And some examples outside the university are:

- "Students for Future", part of the international movement "Fridays for Future" and focused on climate justice.
- Janun, focused on Environmental Education, Indigenous Peoples Environment, Climate Protection, Globalisation, etc.







- The Umweltzentrum e.V. is a union of regional organisations that work for nature protection and sustainable development.

## 4. Cost of living

### 4.1 Dorms, costs at university cafeteria etc.

Item	Cost or comment
Average student dorm rent per month	240-390 €: it depends on the location, if it is a single room in a shared floor or a one-person apartment. For more details: <a href="https://www.studentenwerk-hannover.de/wohnen/wohnhaeuser">https://www.studentenwerk-hannover.de/wohnen/wohnhaeuser</a>
Average rent in private housing	400-600 €: it also depends on the location and quality of the building, among others
Semester contribution/fee	428,75 € (per semester and it includes public regional transport, s. below)
Public transportation	Already included in the semester contribution for whole Lower Saxony
Leisure time, internet connection, broadcasting taxes	60-90 €
Books, copies, etc.	10-20 €
Food, groceries, drinks, etc.	160-200 €
Clothing	42 € (you may need to buy adequate winter clothing)

4.2 Further remarks, if necessary (for example information on extra fee for dorms or semester fee etc.)

On average, a student in Hannover will need around €900.00 for living expenses each month. Please note: These are average values intended for guidance only. Individual items may vary considerably; depending on your life-style. We will advice students to this regard, once they arrive in Hannover.



## 5. Language skills required

Language	Certificate/level or score	Comment
English	LEVEL B2-C1 TOEFL ...	B2 in English would be also good if level of German is C1 or higher.
German	LEVEL B1.2 zur Bewerbung TestDaF ...	B2.2 or higher is expected to begin the semester in October. Important: Even if the teaching language is not German, knowledge of this language is quite important for the social integration, intercultural interaction and much better perspectives in the labour market (internship placement).

## 6. Established partnerships with the following Latin-American higher education institutions and faculties

<b>Argentina</b>	<ul style="list-style-type: none"> <li>- Universidad de Buenos Aires (UBA), Faculty of Engineering</li> <li>- Universidad Nacional de Entre Ríos (UNRC), Faculty of Natural Sciences Research Projects regarding Plant Microbiology</li> <li>- Universidad Nacional de Río Cuarto (UNCR) , Faculty of Natural Sciences.</li> <li>- Universidad Nacional de General San Martín (UNSAM), all university, specially Social Sciences</li> <li>- Universidad Nacional de Misiones, specially Social Sciences</li> <li>- Universidad Nacional de Tucumán (UNT), Faculty of Architecture and Landscape Sciences (including Environmental Planning)</li> <li>- Universidad Torcuato Di Tella, Faculty of Economics and Management</li> </ul>
<b>Colombia</b>	<ul style="list-style-type: none"> <li>- Universidad Nacional de Colombia, all faculties (doctoral fellows in the area of Ecology)</li> <li>- Universidad del Valle, DIES Alumni (all faculties)</li> <li>- Universidad del Rosario, Faculty of Architecture and Landscape Sciences</li> <li>- Universidad EAFIT, Faculty of Architecture and Landscape Sciences</li> </ul>
<b>Mexico</b>	<ul style="list-style-type: none"> <li>- Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM), (all faculties)</li> <li>- Universidad Nacional Autónoma de México (UNAM), all faculties</li> <li>- Universidad de Guadalajara, (all faculties)</li> <li>- Universidad de Guanajuato, (all faculties)</li> <li>- Universidad Iberoamericana Puebla, (all faculties)</li> <li>- Universidad Popular Autónoma del Estado de Puebla (all faculties)</li> <li>- Universidad Veracruzana, specially Social Sciences</li> </ul>

### Comments

In Argentina: Universidad Tecnológica Nacional (UTN), no partnership but KOSPIE Alumni of first round, applications are welcome.

In Colombia: Universidad del Valle, no formal partnership but DIES Alumni, good contact and experience working with this university. Applications are welcome.

In general are ALL good applications from all universities welcome, as far as they concentrate on the TOPICS and areas mentioned under point 2 (participating faculties and specially areas of relevance).

## 7. Tuition waivers

Yes ☒ No ☐

Comment: All students are required to pay a semester fee every semester.

This fee is made up of the following components:

- Contribution to the Studentenwerk Hannover (student services organisation): 115.- €
- Contribution to the Students' Union: 15,80 €
- Semester ticket: 217,64 €. The "Lower Saxony/Bremen semester ticket" enables you to use ALL modes of regional and local transport in Hannover Metropolitan Area, and to travel second class in Deutsche Bahn's regional trains throughout Lower Saxony, as well as to Bremen and Hamburg central stations at no additional cost.
- Contribution to the Bicycle Repair Shop: 1,11 €
- Cultural Ticket: 2.- €
- Contribution towards administrative costs: 75. - €
- Semester Ticket default fond: 2,20 €

## 8. Cooperation with companies regarding possibilities for internships

Participants faculties and institutes have contacts with companies and public organisations related to their areas of teaching and research, as well as a bourse and internship office with regular internships calls. There is no formal signed contract regarding internships, but recommendations are possible according to the engagement, interest and performance of students. As mentioned above, research internships are very much welcome at the university.

In the case of the Faculty of Mechanical Engineering, information can be found under the following link:

<https://shorturl.at/AVUIg>

Once enrolled, students should register in the databank in order to get the newsletter with regular internships offers.

Additionally, the ZQS/Schlüsselkompetenzen (ZQS/Key Competences Centre) at LUH offers also a databank for internships available Germany wide, as well as training to apply to them:

<https://www.sk.uni-hannover.de/stellenportal.html>

The Career Service provided by ZQS/Key Competencies is the central port of call for students seeking career guidance and advice. Programms in which the students can take part are "Job-Shadowing" at local/regional companies and the Mentoring Programme "Next Step".

## 9. Further remarks/special services



Following the goal of achieving “Equal opportunities” for all, LUH promotes target-oriented candidates in their programmes, including students from so-called less favoured households, and people with refugee background/history. We further also female students under the concept of gender equality, especially in STEM areas.

#### Further Services and Units:

Students at LUH profit from the Leibniz Information Centre for Science and Technology and University Library (TIB), which, as the German National Library of Science and Technology, is especially acknowledged worldwide for its expertise in science, technology, engineering, and mathematics.

#### Leibniz Language Centre (LLC)

The Centre offers around 220 language courses and special courses for approximately 5,000 students each semester, as well as during semester breaks.

#### ZQS/Schlüsselkompetenzen (Centre for Quality Enhancement in Teaching and Learning)

ZQS/Schlüsselkompetenzen is the central point of contact regarding key competences and services that promote ability and aptitude for study as well as employability. They support exchange with the labour market.

LUH’s centre for university sports ([www.hochschulsport-hannover.de](http://www.hochschulsport-hannover.de)) organises an extensive sports programme including more than 100 different sport disciplines, most of them free of charge or in great part subsidised.

LAST BUT NOT LEAST: We are very much looking forward to welcoming and supporting students:

- who are willing to improve and develop their knowledge and expertise in their areas of studies and beyond,
- who are seeking to apply this knowledge in their own countries/regions, especially in fields related to sustainable development,
- who are open to get know better the multicultural European and German societies, their history and cultural background,

Although we greet that students travel and get to know better Germany and Europe, we advise to refrain applying students, who stress travelling and tourism over their studies and commitment in Hannover, hosting institutions and their home universities.

### 10. Housing situation

There are 20 halls of residence managed by Studentenwerk Hannover that offer good value accommodation – some of which are located near the university buildings. KOSPIE Students enrolled at LUH are eligible to live in one of the halls of residence managed by Studentenwerk. Almost all rooms are furnished and have high-speed internet access at moderate prices. Rent usually ranges between 240 and 390 euros per month. For more information, please contact:  
[student-accommodation@zuv.uni-hannover.de](mailto:student-accommodation@zuv.uni-hannover.de)

### 11. Contact information



*Contact person at the international office*  
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*Other contact person*  
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Biomedical Engineering:  
Dr. Ing. Birgit Glasmacher

Faculty of Natural Sciences:  
Prof. Dr. rer. nat. Jutta Papenbrock,  
Prof. Dr. rer. nat. Emily Poppenborg

Faculty of Civil Engineering:  
Prof. Dr.-Ing. Regina Nogueira  
Dr.-Ing. Khalid Abdel-Rahman

Faculty of Electrical Engineering and Computer  
Science:  
Dipl.- Biol. Franziska Arens (Electrical  
Engineering)  
Dr. Arne Meier (Computer Science)