



# Life Sciences International Semester

BIOTECHNOLOGY AND  
ENVIRONMENTAL ENGINEERING  
IN TECHNICAL LIFE SCIENCES [BEETLS]

Study Abroad in Hamburg  
Get more for your credit points.

HOCHSCHULE FÜR ANGEWANDTE  
WISSENSCHAFTEN HAMBURG  
Hamburg University of Applied Sciences  
Faculty Life Sciences  
[www.haw-hamburg.de/lis](http://www.haw-hamburg.de/lis)

## Welcome to Hamburg City on the water

In the North of Germany, in the heart of Europe - Hamburg is Germany's second largest city (1.8 million inhabitants) and offers our excellent quality of life and international flair. If you like to spend your leisure time outdoors, you will love Europe's »greenest« city with its large lake and numerous parks in the centre of town. You will also find culture in all its variations as demands a major city -

theatre, museums, exhibitions as well as music in concerts or in clubs. Hamburg is an international harbour city and a great place to live and study. Make it your gateway to the world.

„The forms of classes are more diverse than at my home university. You have lectures, projects, tutorials or workshops“ Geertje Meyer, NL



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## Summer semester programmes in English

### Environmental Quantification and Analysis (undergraduates)

	ECTS-Credits
Feedback Control Systems	5
Downstream Processing of Natural Products	9
Pharmaceutical Toxicology	5
Applied Hydrobiology and Ecotoxicology	5
Instrumental Analytics*	10
Renewable Energies	6
Mathematics 3	3
Project Management for Engineers	5
Human Ressource Management	5

### Renewable Energy Systems (graduates) \*\*

	ECTS-Credits
Accessment of Wind Energy Projects	2,5
Solar Cells	2,5
Energy Conversion and Distribution ***	5
Power Electronics and Grids	2,5
Advanced Control systems	5
Energy Policy and Finance	5
Wind Energy 2	2,5
German language course, 30 hrs	3
German language course, 45 hrs	4

\* limited number of participants

\*\* subject to approval by the department

\*\*\* class partly in German

## Who to contact

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## How to apply

Partner universities will receive a link for the online-nomination of their students. Free-movers should contact

[ls-international@haw-hamburg.de](mailto:ls-international@haw-hamburg.de) to enquire how to proceed.

Deadline: 30<sup>th</sup> of April (for the winter semester)

30<sup>th</sup> of October (for the summer semester)

## Important links for guest students

[www.haw-hamburg.de/english/studyabroad/programmes-in-english.html](http://www.haw-hamburg.de/english/studyabroad/programmes-in-english.html)



HAW HamburgStudyAbroad



## Didactic concept

The HAW Hamburg being an applied science university has a long standing tradition of using practical and interactive teaching methods. Taking into account the diverse cultural and professional backgrounds of the international students, the professors and academic staff of the HAW are committed to a participatory learning atmosphere. Students are expected to learn through both directed and self-directed study. The timetable of formal teaching will be supplemented by practical application in the form of a group or project work and/or laboratory test which each student will be required to develop using the methods and concepts learned during the course. The teaching programme is structured to accommodate a range of learning experiences through:

- Interactive lectures providing a broad introduction to a subject and referring to relevant literature and offering guidance on further inquiry;
- Group work and workshops enabling an in-depth analysis of selected topics and also the learning of different soft skills;
- Seminars and plenary discussions activating students to share their ideas and experience in order to deepen the understanding of concepts and theories;
- Case studies and project-based learning promoting the development of skills particularly relevant for the workplace.