

FACULTY OF ENGINEERING
AND COMPUTER SCIENCE

Study as a Guest Student

**Lose your heart to Hamburg.
Gateway to the world. And to new horizons.**

HOCHSCHULE FÜR ANGEWANDTE
WISSENSCHAFTEN HAMBURG
Hamburg University of Applied Sciences

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 an excellent quality of life and international flair. If you want to spend your leisure time outdoors, you will love Europe's „greenest“ city with its rivers, Alster and Elbe, canals and numerous parks in the centre of the town. You will also find culture in all its variations as demands a major city – theatres, 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.**

HAW HAMBURG UNIVERSITY OF APPLIED SCIENCES

- Applied Research in the main fields of Engineering Science
- Close cooperation with industry
- Interdisciplinary projects, small group teachings and academic support ensure that our students feel at home

**“The best thing about
study abroad are the people”**

Lucy Kellow & Samantha Beasley

STUDYING AT HAW HAMBURG

One of Germany's largest universities of applied sciences with over 16.500 students, including approx. 2.300 foreign students.

- International orientation (partnerships with more than 140 universities around the world)
- Modern, public university
- Practice-oriented degree with relevance to commercial enterprises

INTERNATIONAL SEMESTER

We offer English lectures in the areas of

- Information Engineering
- Aeronautical Engineering
- Automotive Engineering
- Mechanical Engineering
- Computer Science



“Life in Hamburg is very comfortable and everyone is very friendly”
Cheuk Ho Yuen & Wai Lun Tsui

PROGRAMMES IN ENGLISH

INFORMATION ENGINEERING (BACHELOR)

WINTER SEMESTER

Mathematics 1	8 CP
Software Construction 1	7 CP
Electrical Engineering 1	6 CP
German	4 CP
Learning and Study Methods	4 CP
Signals and Systems 1	6 CP
Algorithms and Data Structures	6 CP
Digital Circuits	6 CP
Electronics 2	7 CP
Economics & Management	6 CP
Scientific and Project work	4 CP
Elective Course 1+2	5 CP
Elective Project 2	5 CP

SUMMER SEMESTER

Mathematics 2	8 CP
Software Constructions 2	6 CP
Electrical Engineering 2	6 CP
Electronics 1	6 CP
Intercultural Competence	3 CP
Learning and Study Methods 2	2 CP
Signals and Systems 2	6 CP
Software Engineering	6 CP
Microcontrollers	7 CP
Digital Systems 1	6 CP
Databases	6 CP
Bus Systems and Sensors	6 CP
Operating Systems	6 CP
Digital Signal Processing	6 CP
Digital Communication Systems	6 CP
Elective Project 1	5 CP

COMPUTER SCIENCE (BACHELOR)

SUMMER SEMESTER

Databases	6 CP
Elective Modules (e.g. Computer Graphics, Data Science, ...)	6 CP each
Elective Project	6 CP
Operating Systems	6 CP
Seminar (Bachelor)	3 CP
Software Construction 2	6 CP

MECHANICAL ENGINEERING (BACHELOR/MASTER)

WINTER SEMESTER

Computational Acoustics	M	5 CP
International Supply Chain Management	M	5 CP

SUMMER SEMESTER

Energy Systems	B	5 CP
Finite Elements	B	6 CP
Machine Cutting Technology	B	5 CP
Systematic Product Development	B	5 CP
Technical Thermodynamics 1	B	5 CP
Control Systems and Sensor Systems	M	5 CP
Electrochemical Energyconversion / Fuel Cell Systems	M	5 CP
Global Customer Processes	M	5 CP

AERONAUTICAL ENGINEERING (BACHELOR)

SUMMER SEMESTER

Aircraft Design	4 CP
Aircraft Engines	5 CP
Aircraft Systems	4 CP
Architecture of the Aircraft Cabin	5 CP
Electrical Aircraft Cabin Systems	6 CP
Mechanical Aircraft Cabin Systems	6 CP
Aeronautical Engineering – Individual Project	8 CP
Aeronautical Engineering Design – Team Project	5 CP

AUTOMOTIVE ENGINEERING (BACHELOR)

SUMMER SEMESTER

Introduction to Body in White Design	5 CP
Introduction to Commercial Vehicle Design	5 CP
Introduction to Vehicle Dynamics	5 CP
Drive Train Design	5 CP
Engineering Design Team Project	5 CP
Automotive Engineering Research Project	8 CP

Please note that this programme is subject to changes.

HOW TO APPLY

Partner universities will receive a link for the nomination. As soon as the students are nominated, they will receive an automatic email from “Mobility Online”, our online application system.

PLEASE CONTACT US

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