



h_da

HOCHSCHULE DARMSTADT
UNIVERSITY OF APPLIED SCIENCES

fbeit

FACULTY OF
ELECTRICAL ENGINEERING AND
INFORMATION TECHNOLOGY

Exchange Student Program



**Faculty of Electrical Engineering
and Information Technology**

Study Electrical Engineering and Information Technology at one of the largest and most resourceful Universities of Applied Sciences in Germany, Darmstadt

Located in the neighbourhood of the financial metropolis Frankfurt, surrounded by many high-tech companies, close to attractive medieval towns such as Heidelberg as well as the great natural reserves of the Odenwald and Spessart, Darmstadt is a great place to study and live. Darmstadt is well-known as a city of sciences being home to no less than 5 higher education facilities and various high-profile German and European research centres. In addition, Darmstadt is one of the most influential centres of Art Nouveau in Europe with an extraordinarily rich cultural and student life.



City of Sciences Darmstadt / Photo: Alex Deppert

University of Applied Sciences Darmstadt – h_da

Founded in 1971, the University of Applied Sciences Darmstadt, or h_da, is a young and innovative spot on the German academic landscape and represents one of the leading institutes of practice-oriented education in Germany. The close cooperation with industry and research institutes plays a key role in all teaching and research activities. Short studying times, effective organisation of studies, a clear practical bias in the courses themselves, internationally-oriented academic education and success-oriented commitment in the fields of research and development are the foundation of h_da's success and have become the trademarks which attract many international students. With over 13,500 students, of which more than 2,500 are international students, a teaching staff of 300 professors, and more than 50 accredited degree programs in various disciplines, h_da is also one of the largest Universities of Applied Sciences in Germany.



The university is proud of its international character and works closely with more than 120 partner universities especially in the field of student exchange. The International Office supports all incoming exchange students before and during their studies in Darmstadt by organising an orientation program including language courses, finding accommodation, enrolment and other administrative aspects.

Faculty of Electrical Engineering and Information Technology – fb eit

With over 2,000 students, the Faculty of Electrical Engineering and Information Technology, or fb eit, is the largest of the university's 11 faculties. Nearly 40 full-time professors are assisted by a teaching and laboratory staff of more than 20 engineers. Their industrial and application orientated research background ensures a practice orientated university education. The practical relevance of the courses is further enhanced by 10 visiting lecturers, most of them coming from regional companies. It is therefore no surprise that for years the department's graduates have been enjoying an outstanding reputation among personnel managers according to surveys of Germany's leading economy magazine "Wirtschaftswoche".

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| Building Infrastructure Technologies: Energy-efficient home automation and building technologies | B.Eng. |
| Electrical Engineering and Information Technology (also integrated work-study) ¹ | B.Eng. |
| ¹ specialisations: Embedded Systems, Industrial Automation and Robotic, Innovative Drive Technology and Electromobility, Renewable Energies and Mains Power Systems, Data Communications and Multimedia Technology, Smart Energy Communication Networks | |
| Electrical Engineering (distance learning degree programm) | M.Sc. |
| Master of Science in Electrical Engineering and Information Technology* (also integrated work-study) ² | M.Sc. |
| ² majors: Automation, Communications, Microelectronics, Power Engineering | |
| Engineering and Business Administration (also integrated work-study) | B.Sc./M.Sc. |
| Mechatronics (also integrated work-study) | B.Sc. |
| Energy Management | B.Sc. |

* taught in the English language

The teaching staff of the fb eit is organised in three working groups with specialisation in automation, communications and power engineering. They are active in applied research and development in all three fields and closely cooperate with a wide range of industrial partners throughout Germany. The working groups provide the expertise for an extensive and practice-orientated course program.

The degree programs include traditional full-time as well as cooperative or distance learning work-study programs in electrical engineering and information technology plus a multidisciplinary engineering and business administration (industrial engineering) program. In addition the fb eit supports other faculties in their energy management and mechatronic degree programs. As one of the first universities in Germany Darmstadt has offered an international Master Program in Electrical Engineering taught solely in the English language.

From 2014 onwards, as the only university in Germany, the h_da's fb eit offers the innovative new degree program Building Infrastructure Technologies: Energy efficient home automation and building technologies.

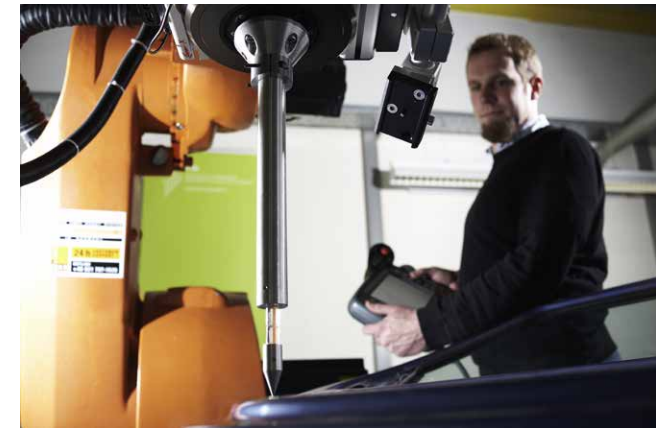
Within their studies the students can choose from a wide variety of specialised modules as well as individual and group projects in automation, communications or power engineering. Due to the practical orientation of the degree program, virtually all modules include laboratories and/or are accompanied by exercises.



All lecture theatres, seminar rooms, project rooms as well as student workrooms were recently refurbished and come with up-to-date visual and audio equipment to provide an ideal learning environment. The state-of-the-art laboratories, well-appointed and regularly updated with the latest in equipment and tools, are the foundation of a solid and modern practice-oriented engineering education.

Exchange Student Program

As a student of one of our many partner universities or as a participant of an accredited exchange program you can study up to 2 semesters as an exchange student at the Faculty of Electrical Engineering and Information Technology. Depending on your home degree program, you can choose from a program of more than 300 different modules and laboratories complementing or extending your studies abroad to your home curriculum. The approval of your course selection at your home university can be ensured by setting up an individual learning agreement with your home supervisor / course director. In addition you may opt for a project, a final project or a thesis in one of the three research areas (automation, communications and power



Requirements

International exchange students are relieved of tuition fees but have to contribute via a semester fee to the social and administrative services provided by the Student Union and the University. The semester fee grants access to free public transportation in the city and the region. For further information on the semester fee and the cost of living please refer to the website of the International Office: www.international.h-da.de

A German language level of 'CEFR B1 or better' or equivalent is required for all courses taught in the German language.

An English language level of 'CEFR B2 or better' is recommended for the modules taught in the English language.

Further information

Concerning further details of our academic program, please refer to our website eit.h-da.de. Please refer to the International Office (www.international.h-da.de) of the university for general questions and queries about the application process.

Contact

c/o International Coordinator
 Birkenweg 8
 D-64295 Darmstadt
 Germany
exchange@eit.h-da.de
www.eit.h-da.de