



Electrical Engineering and Information Technology International Master of Science

The Program. What does it consist of?

Our two-year course 'International Master in Electrical Engineering and Information Technology (IMSEIT)' covers all relevant fields in electrical engineering and IT.

Select one of four majors:

- Automation
- Communications
- Embedded and Microelectronics
- Power Engineering

IMSEIT emphasizes a systems perspective: Topics and processes, tasks and projects take an integrated and synoptic approach, highlighting a consistent international orientation: Language of instruction and curriculum are English. Classroom settings and projects are conducted in international and intercultural teams. Specific intercultural and academic pre-semester offerings will assist students in settling in Germany. Internships and thesis research will be performed at enterprises of international standing either in Germany or, if so desired, world-wide. The program organization ascertains a transparent step-by-step admission process, a course of studies which can be mastered, and the completion within a set time framework.

The professional and practical view: What are the perspectives after graduation?

Our graduates find well-paid and challenging jobs on all levels and in all sectors of industry, small- and medium-size high tech enterprises, in administration, or self-employed. Interdisciplinary course contents, such as economic issues or professionally managing projects, prepare for later leadership responsibilities.

The modularized curriculum: How is the program structured?

The four-semester program is two-phased: one academic classroom oriented first year with theoretical content and a two-pronged curriculum: Mandatory modules shared by all majors, as programming techniques, project management, presentations and communication skills. Major-specific mandatory modules are complemented by optional modules from any of the four majors. The third semester is dedicated to an industrial internship to gain experience within a German enterprise. Students will conclude IMSEIT during the final six months doing their Thesis project in a demanding research-related topic.

Electrical Engineering and Information Technology - International Master of Science (IMSEIT)	
Semester 1	Semester 2
Mandatory Basic Module System Design (7,5 CP)	Mandatory Basic Module Technical Management (7,5 CP)
Modules (subject to major) 2 major-mandatory modules (15 CP) 1 inter-major elective module (7,5 CP)	Modules (subject to major) 2 major-mandatory modules (15 CP) 1 inter-major elective module (7,5 CP)
Select from the following majors: Automation Communications Embedded and Microelectronics Power	Select from the following majors: Automation Communications Embedded and Microelectronics Power
Semester 3 Internship/Industrial Placement (30 CP)	
Semester 4 Project/Master Thesis (30 CP)	
The degree will prepare and qualify for leading positions worldwide in relevant fields. Typical responsibilities include: - research and development - technical management - production - consultancy - application engineering may, with excellent academic standing, prepare and qualify for subsequent Ph.D.studies For an occupation in public service in Germany, the degree will qualify for positions in civil service upper rank (Höherer Dienst)	

- Required for admission are a Bachelor's degree with demonstrated academic achievements well above average, from an institution of recognized standing, in the field of Electrical Engineering and Information Technology, or a closely related field with substantial electrical engineering content (e.g. computer science, mechatronics, etc.).
- Advanced English language proficiency is required, as all courses are taught in English.
- Admission is once a year for Autumn intake only.
- The IMSEIT exam board will waive parts of the curriculum if prior training can be demonstrated to be equivalent in learning outcome. To make up for possible gaps in past training, all successful applicants are required to attend special preparatory courses beginning September 1 every year.
- For non-native speakers, concurrent German classes are offered during the preparatory phase as well as throughout the academic semesters, for which, again, attendance is mandatory. Attaining A2 level will be a prerequisite for graduation.

NB: size of entries represents study work load in CP (credit points). Regular yearly load is 60 CP. CPs will be conferred once module was mastered successfully.
Colour Code: ■ Mandatory Modules ■ Major Options/Electives ■ Internship/Industrial Placement ■ Master Project, Thesis

h_da
HOCHSCHULE DARMSTADT
UNIVERSITY OF APPLIED SCIENCES

SSC
STUDENT SERVICE CENTER

Schöfferstraße 3, Gebäude C 10
D-64295 Darmstadt
Tel +49.6151.16-7979
info@h-da.de
www.h-da.de/ssc

h_da
HOCHSCHULE DARMSTADT
UNIVERSITY OF APPLIED SCIENCES

fbeit
FACULTY OF
ELECTRICAL ENGINEERING AND
INFORMATION TECHNOLOGY

Birkweg 8, Gebäude D 16,
Raum 410/411
D-64295 Darmstadt
Tel +49.6151.16-8305
master@eit.h-da.de
www.eit.h-da.de/mse



Darmstadt

Campus Dieburg

Herausgeber Hochschule Darmstadt Haardtring 100 D-64295 Darmstadt Stand March 2014

The accreditation. How is the program's quality maintained?

The IMSEIT course has been accredited by the ZeVA agency and carries the German Accreditation Council's quality approval.

Stiftung zur Akkreditierung von Studiengängen in Deutschland

Akkreditierungsrat ■■

The prerequisites. What do we expect from applicants?

As a prerequisite, a Bachelor's degree of a minimum of a seven-semester academic program, in electrical engineering or a closely related field is expected. Admission is highly competitive. A clearly discernible motivation with excellent past academic, possibly also professional accomplishments, in fields relevant to electrical engineering, is indispensable. IT experience is given high priority. What counts is the overall impression a candidate makes. Proven strong proficiency in English, including technical English is a must.

The application process. How to enroll at h_da?

Commencing the program studies is possible for international applicants once a year only in autumn. All conceivable information needed is available through the web site www.eit.h-da.de/mse. The application process is online. This website should be the first point of access, as it provides many useful pointers for potential applicants to guide and assist them in their decision making process.

Further advice. Where to get more information?

General questions concerning studies at h_da are best addressed to Student Service Center (SSC). Aside from advice and counseling, they also provide information on how to efficiently organize and finance your studies. The availability of scholarships is however highly competitive. Finally, if all this is not sufficient, the IMSEIT course directorate may offer individual case-by-case advice via e-mail, master@eit.h-da.de. The application platform will also provide ample information specific to international IMSEIT applicants.



Hochschule Darmstadt.

What would you be looking forward to?

If you seek a sound, yet professional academic training and success in your future job, Hochschule Darmstadt (h_da) is an excellent place for you. Yearly surveys of "Wirtschaftswoche" underscore h_da's top position amongst HR managers of leading German enterprises.

- Effective course and program organization.
- Field exposure in industry and or the public sector as an integral part of your studies.
- International and interdisciplinary course offerings.
- Ideal preparation for your upcoming career.

"The course of the program gives you the opportunity to obtain knowledge over a variety of subjects and lets you choose where you wish to specialize. I would recommend it to anyone who has a solid electrical engineering background and wants to be actively involved in the latest developments in the industry."

Stefanos Anastasiou, Engineering Consultant for BMW Group

"From a very good mentoring by the professors I was able to learn some very inspirational theories and get in closer touch with the industry. I was recommended to do the internship and master thesis in Continental Automotive, now I am working as an electronic engineer in this company. Furthermore, the multicultural study atmosphere also benefited me a lot."

Quanlin Zhang, electronics hardware engineer, Continental Automotive Systems (Shanghai) Co. Ltd.