



Electrical Engineering and Information Technology International Master of Science

The Program. What does it consist of?

The IMSEIT program is unique as it is solely taught in English and attracts a truly international audience. From about 1500 applicants worldwide, we only choose the best which makes our program attractive to future senior engineers and managers. IMSEIT emphasizes a systems perspective: Topics and processes, tasks and projects take an integrated and synoptic approach, within an international setting: Course work and projects are conducted in intercultural teams and prepare our students for a career in an international operating company. The content of our lectures is based on the current trends in research and development and covers all relevant fields in electrical engineering and IT.

We offer four majors:

- Automation
- Communications
- Embedded Systems and Microelectronics
- Power Engineering

Internships and thesis research are completed at companies of international standing either in Germany or, if so desired, worldwide.

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 and international companies, in administration, or self-employed. Interdisciplinary course contents, such as economics or project management, prepare for later leadership responsibilities.

The modularized curriculum: How is the program structured?

The first year focusses on challenging academic content and is organized as classroom lectures. Mandatory modules are shared by all majors, including programming techniques, project management, presentations and communication skills. Due to our strong research performance the latest technology trends are integrated in our major-specific modules, which are complemented by optional modules offering a variety of fascinating topics. The third semester is dedicated to an industrial internship to gain experience within a German company. Students will conclude IMSEIT during the

Electrical Engineering and Information Technology - International Master of Science (IMSEIT)		Semester 1		Semester 2		Semester 3		Semester 4		Perspectives:	
<ul style="list-style-type: none"> • 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. 	Mandatory Basic Module System Design (7,5 CP)	Modules (subject to major) 2 major-mandatory modules (15 CP) 1 inter-major elective module (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)	Internship/Industrial Placement (30 CP)	Project/Master Thesis (30 CP)	The degree will prepare and qualify for leading positions worldwide in relevant fields. Typical responsibilities include: <ul style="list-style-type: none"> - 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)	For an occupation in public service in Germany, the degree will qualify for positions in civil service upper rank (Höherer Dienst)	For an occupation in public service in Germany, the degree will qualify for positions in civil service upper rank (Höherer Dienst)	
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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 passed successfully. Colour Code: ■ Mandatory Modules ■ Major Options/Electives ■ Internship/Industrial Placement ■ Master Project, Thesis

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Darmstadt

Campus Dieburg

Herausgeber Hochschule Darmstadt Haardtring 100 D-64295 Darmstadt Stand May 2017

final six months doing their Thesis project in a challenging research-related topic. Specific academic and intercultural pre-semester offerings help students to prepare for the study program.

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 at least a six-semester academic program in electrical engineering or a closely related field is expected. A clearly discernible motivation with excellent past academic accomplishments in fields relevant to electrical engineering is indispensable. High priority is given to IT experience. The overall impression that the candidate offers, with proven proficiency in English, including technical English, is very important to us.

The application process. How to enroll at h_da?

For applicants holding a German bachelor degree the program starts each year in the autumn and spring semester. For international applicants the program starts each year only in the autumn semester.

All information needed is available through the website www.eit.h-da.de/mse and is the first point of access, as it provides useful information for potential applicants.

Further advice. Where to get more information?

General questions concerning studies at h_da are best addressed to Student Service Center (SSC). Apart from advice and counseling, they also provide information on how to efficiently organize and finance your studies. The IMSEIT course directorate may offer individual case-by-case advice via email, master@eit.h-da.de.

Hochschule Darmstadt.

What would you be looking forward to?

According to the renowned magazine Wirtschaftswoche h_da enjoys a top reputation with German personnel



managers and scores highly because of its practice oriented curriculum and close links to leading companies and organizations.

Darmstadt University of Applied Sciences is renowned for:

- Efficient course organization and short durations of study
 - Practical work in cooperation with professional organizations as an integral program aspect.
 - Optimal preparation for entry into professional life
- More info: <http://www.h-da.com>

"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.