



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



Control, Computer and Communications Engineering (CCCE)

TH Mittelhessen University of Applied Sciences - THM • Friedberg (Hessen)

Overview

Degree	Master of Science
Teaching language	<ul style="list-style-type: none">English
Languages	All lectures are in English (except for "German as a Foreign Language").
Programme duration	3 semesters
Beginning	Winter semester
Application deadline	For admission in October: 1 April to 30 April
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	Yes
Description/content	<p>Our degree programme Master of Science (MSc) Control, Computer and Communications Engineering provides students with established theoretical and application-oriented knowledge in the areas of Control Engineering, Computer Engineering, and Communications Engineering. Application and implementation layers for computer-aided communication and signal transmission and processing provide students with interdisciplinary competences and skills. The degree programme enables an advanced application-oriented and scientific qualification and prepares for leading positions in industrial companies and research institutions. It can also be the basis for a further scientific qualification such as a PhD. Due to the international character of the study programme, the graduates are prepared for work in internationally operating companies. English is the language of instruction.</p> <p>The special profile and unique feature of the degree programme is the concentration on synergies of different areas of electrical, information, and communication technologies with a special focus on the development of safety-critical electrical systems combined in networks. Such systems are subject to special requirements in terms of sensors and actuators, communication technology and protocols, control and signal processing as well as computing performance and safety, taking into account time and energy restrictions. The degree programme conveys scientifically established concepts, methods, and techniques to equip graduates to develop novel products and services in this interdisciplinary context. Students can set individual priorities by working in state-of-the-art research and development projects.</p>

Course Details

Course organisation	Excellent teaching and research are our strengths. We strive to enable students to benefit from our cooperation with industrial and research partners. We encourage and foster both individual work and group work. Our programme is open to international and to German students. This gives all participants first-hand experience in projects in international teams. » PDF Download
Types of assessment	Oral, written examination, scientific project report, oral presentation, online tests or practical skill tests are used for assessment.
A Diploma supplement will be issued	Yes
International elements	<ul style="list-style-type: none">• International guest lecturers• Language training provided• Training in intercultural skills
Integrated internships	A voluntary internship of four to twelve weeks may be undertaken at the end of the second semester. We encourage students to combine the internship with the thesis project.
Course-specific, integrated German language courses	Yes
Course-specific, integrated English language courses	No

Costs / Funding

Tuition fees per semester in EUR	None
Semester contribution	The semester contribution amounts to approx. 290 EUR per semester. This gives students access to free regional public transportation in the region of Hessen.
Funding opportunities within the university	No

Requirements / Registration

Academic admission requirements	A first academic degree (Bachelor's degree, German "Diplom", or comparable) of an accredited university in Electrical Engineering (Elektrotechnik), Communications and Networks Engineering (Nachrichtentechnik und Computernetze), Electrical Engineering and Information Technology (Elektro- und Informationstechnik), Computer Engineering (Technische Informatik), or other suitable study programmes in the areas of Electrical Engineering and Information & Communications Engineering.
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Average grade in the Bachelor's degree: (equivalent to) at least 2.5 according to the German grading system (Grade "good" or better according to the THM grading scale) with qualifications of at least 210 points according to the European Credit Transfer System (ECTS)

Detailed admission requirements and a complete list of application documents can be found on our website.

Language requirements	Good English proficiency proven by an examination such as TOEFL (at least 85 iBT); IELTS (at least 6.5) German: basic knowledge of German for all international students (Level A1 - according to the Common European Framework of Reference for Languages). The successful completion of a German examination at level A1 (Goethe-Institut or related institute) must be certified.
Application deadline	For admission in October: 1 April to 30 April
Submit application to	International applicants who have earned an undergraduate degree abroad must apply via the uni-assist online portal. Please feel free to contact the department coordinator at THM for more information about the application process.

Services

Possibility of finding part-time employment	Qualified and motivated students are sometimes able to find student jobs in companies, particularly in the Rhine-Main area, or as tutors in a lab. With a student visa, it is possible to work 120 days/year without an additional work permit. Since our programme is fast-paced, it is recommended to focus on studying in the first year.
Accommodation	Accommodation is mainly available through the organisation called "Studentenwerk". Please feel free to ask any questions that you may have.
Specific specialist or non-specialist support for international students and doctoral candidates	<ul style="list-style-type: none">• Welcome event• Buddy programme• Tutors• Specialist counselling

TH Mittelhessen University of Applied Sciences - THM

Technische Hochschule Mittelhessen - THM University of Applied Sciences is renowned for future-oriented degree programmes in technical sciences and economics. "Innovation based on tradition" is our motto.

THM University of Applied Sciences was founded in 1971. However, its roots reach back to the 19th and early 20th century, when schools of engineering were established in both cities of Giessen and Friedberg. Classical disciplines such as civil engineering, electrical engineering, and mechanical engineering are offered alongside programmes such as energy systems, biotechnology, media engineering, business administration, and computer science. We constantly work on our curriculum by setting up new study programmes and by updating the

established programmes to meet the requirements of a modern technological society. THM attaches great importance to the integration of practical elements into the syllabus of our study programmes.

Increasing student numbers (currently around 18,800 students, including approx. 16% international students) reflect the attractiveness of our degree programmes. There are three main campuses: one in Giessen, one in Friedberg, and one in Wetzlar. We are located just north of Frankfurt/Main.

For blind and visually handicapped students, our university has a special centre (BLiZ) to guide and support them through the study programme of their choice.



University location

The cities of Giessen (approx. 84,000 inhabitants) and Friedberg (approx. 29,000 inhabitants) are situated in the Rhine-Main area close to the economic centre of Frankfurt. The pulsating and prosperous Rhine-Main region is at the heart of Europe and is served by the Frankfurt/Main International Airport and many main European train lines.

The city of Giessen combines the amenities of a mid-sized towns with a good infrastructure and a wonderful landscape just outside the cities. A vibrant cultural scene, small and medium-sized enterprises in various business sectors, good shopping facilities, and a variety of restaurants, cafés, bars, and clubs offer an excellent atmosphere in which to study, work, and live.


The student-population ratio is one of the highest in Germany. The lively student scene can be seen and experienced everywhere in town. Friedberg is located about 30 minutes north of Frankfurt am Main. It offers numerous historical sites.

Contact

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International Programmes in Germany - Database

www.daad.de/international-programmes
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Disclaimer

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