

## ▶ OVERVIEW

### Degree

- Master of Science (M.Sc.)

### Duration of studies

- 3 semesters

### Admission prerequisites

- Successful completion of a bachelors degree in Electrical Engineering, Information Technology or a closely related field
- Proof of English proficiency
- A2 German language certificate, can be submitted within 1st 2 semesters of study
- Assessment test is required

### Language of instruction

- English

### Fees

- No tuition fees, €62 student services fee per semester

## ▶ APPLICATION

### Application period

- 15.11. - 15.01. for March entries (SS: summer semester)
- 15.04. - 15.07. for October entries (WS: winter semester)

### Online application

- In the Primuss portal at [www.th-deg.de/en/apply](http://www.th-deg.de/en/apply)

### Deadline for submitting documents

- 15.01. for entries in March
- 15.07. for entries in October

### Notice of acceptance or denial

- WS: in the Primuss portal at the start of August
- SS: in the Primuss portal at the start of February

### Enrolment

- Information available in letter of admission

### Semester start

- WS 01.10.
- SS 15.03.

## ▶ STUDY LOCATION

Deggendorf Institute of Technology  
Dieter-Görlitz-Platz 1  
94469 Deggendorf, Germany  
[www.dit.edu/en](http://www.dit.edu/en)

## ▶ CONTACT

Are you interested in this Electrical Engineering and Information Technology master degree and want to find out more?

### Enquiries about the course

✉ [et-info@th-deg.de](mailto:et-info@th-deg.de)

🌐 [www.th-deg.de/et-m-en](http://www.th-deg.de/et-m-en)

### General enquiries about studying at DIT

✉ [welcome@th-deg.de](mailto:welcome@th-deg.de)

🌐 [th-deg.de/en/study-with-us/international-students](http://th-deg.de/en/study-with-us/international-students)



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DEGGENDORF  
INSTITUTE OF  
TECHNOLOGY **DIT**



MASTER

ELECTRICAL ENGINEERING  
AND  
INFORMATION TECHNOLOGY



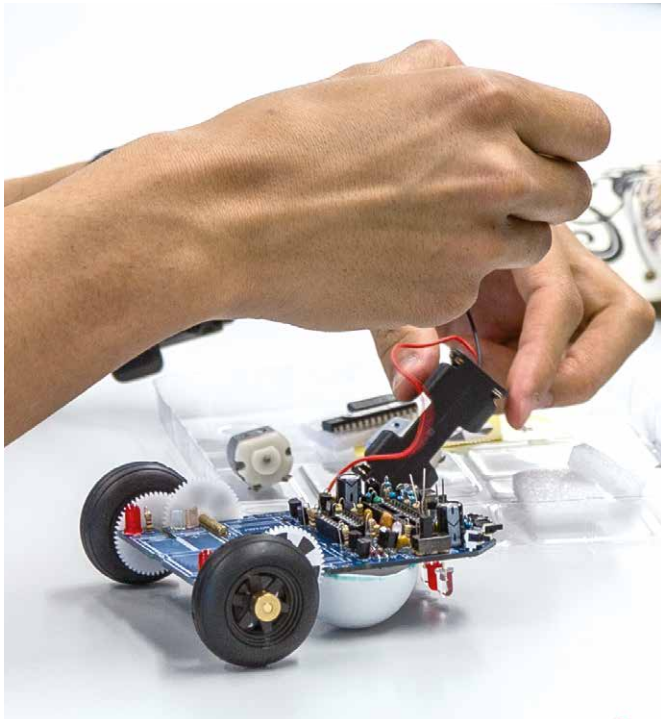
## ► DEGREE DESCRIPTION

The Master in Electrical Engineering and Information Technology programme is designed for both new graduates and more established engineers. It covers a broad spectrum of specialist topics with immediate application to industrial problems, from electrical supply through systems control to high-speed electronics.

Electrical power systems are playing a pivotal role in the development of a sustainable energy supply, enabling renewable energy generation. Globally, there is a big shortage of skilled engineers for designing, operating, controlling and analysing present and future electrical networks. Our programme specifically caters to this market.

Our dedicated professors and staff and our state-of-the-art labs provide students with an infrastructure that well prepares them to address modern challenges in the electrical engineering field – especially in high-tech areas and working creatively in a research and development capacity.

Strong students can go on to pursue Ph.D. studies.



## ► COURSE CONTENT

The Master's programme in Electrical Engineering and Information Technology based at the campus in Deggendorf consists of three theoretical study semesters and concludes with the Master's thesis.

Students can choose between two areas of specialisation:

- Electronic and Telecommunication Systems
- Automation and Power Engineering

The lectures of the Master's programme are held in English. In-depth knowledge of the English language is therefore an essential requirement for the Master's programme. For students whose first language is not German, are language courses compulsory and part of the curriculum. Upon successful completion of the Master's examination and completion of the Master's thesis, the Technische Hochschule Deggendorf (internationally known as the Deggendorf Institute of Technology) awards you the academic degree Master of Science, abbreviated M.Sc.

### Compulsory Courses (both specialisations)

Advanced Programming Techniques, Numerical Methods, Special Mathematical Methods, Harmonisation course or two compulsory electives, selected topics in Business Administration and Human Resource Management, German B1 language course (or foreign language for students proficient in German)

### Modules of Electronic and Telecommunication Systems

Selected Topics in Micro and Nanoelectronics, Selected Topics in Optoelectronics and Laser Technology, Modern Radio Frequency and Radio Systems, Special Devices and Circuits, Signals and Systems in Communication Technology

### Modules of Automation and Power Engineering

Advanced Modelling and Simulation, Selected Topics in Control Technology, Selected Topics in Contactless Sensor Technology, Automotive and Industrial Drive Systems, Renewable Energies

## ► AREAS OF SPECIALISATION

### Electronic and Telecommunication Systems

This focus area concentrates on in-depth skills and competences in the fields of electronics, hardware, electronic components and circuits as well as in high-frequency and telecommunications areas.

### Automation and Power Engineering

This focus area concentrates on complex systems of control engineering and sensors, and in energy technology on modern drives and renewable energy.

## ► CAREER PROSPECTS

The globalised markets of our world are precisely seeking out DIT graduates because they possess both extensive theoretical knowledge and well-honed practical skills.

The ability of our graduates to think quickly and creatively is prized by both local and international employers.

The international orientation of this course enables graduates to launch global careers in the following areas:

- Research in industrial scientific areas
- Development (conception, design, calculation, simulation and design of hardware and software)
- Configuration (system design of electrical energy technology, automation and communication technology and electronics)
- Monitoring and evaluation work
- Management
- Public authorities or institutions of administration