

# Electrical Engineering and Information Technology (etit) (B.Sc.)

(as per degree programme guidelines 01.10.2014)

The degree programme consists of 180 Credit Points (CP) in total:

- ▶ **Mandatory Area:** 94 CP ■
- ▶ **Mandatory Laboratories:** 13 CP ■
- ▶ **Specialisation:** 52 CP ■
- ▶ **General Studies:** 9 CP ■
- ▶ **Bachelor's Thesis:** 12 CP ■

**Language of Tuition:**  
**GERMAN**  
*certificates required*

This leads to the following *possible* semester course schedule:

1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester
Mathematics I* (8 CP)	Mathematics II* (8 CP)	Mathematics III (8 CP)	Mathematics IV (8 CP)	Proseminar Electrical Engineering and Information Technology (2 CP)	Bachelor's Thesis (12 CP)
Electrical Engineering and Information Technology I* (7 CP)	Electrical Engineering and Information Technology II* (7 CP)	Deterministic Signals and Systems (7 CP)	Introduction to Electrodynamics (5 CP)	Specialisation*** (25 CP)	
Electrical Engineering and Information Technology Lab I (4 CP)		Microelectronic De- vices (4 CP)	Measuring Technique (4 CP)		
Logic Design (6 CP)	General Informatics I (5 CP)	Electronics (4 CP)	Measuring Technique Lab (2 CP)		Specialisation*** (15 CP)
Physics I (4 CP)	Physics II (4 CP)	Electronics Lab (3 CP)	Specialisation*** (12 CP)		
Mentoring (1 CP)	General Studies** / Language Course (3 CP)	Software Lab (4 CP)			
		Introductory Project (Projectweek) (2 CP)		General Studies** (3 CP)	General Studies** (3 CP)

\* The exams have to be taken in the respective semester for the first time

\*\* All modules from the departments 1, 2, 3, 15 and the Language Resource Center as well as modules from other departments

\*\*\* Students choose one of the following seven areas of specialisation: Automatic Systems (AUT), Computer-Aided Electrodynamics (CED), Computer Engineering (DT), Electrical Power Engineering (EET), Integrated Micro- and Nano Technologies (IMNT), Micro- and Precision Engineering (MFT) or Communication and Sensor Networks (KTS).

Study Programmes

[www.tu-darmstadt.de/studieren](http://www.tu-darmstadt.de/studieren)

hobit – Information fair for pupils

[www.hobit.de](http://www.hobit.de)

TU Day – Info day for prospective students

[www.tu-day.de](http://www.tu-day.de)

Online Self-Assessment

[www.osa.tu-darmstadt.de](http://www.osa.tu-darmstadt.de)

Course Schedule

[www.tucan.tu-darmstadt.de](http://www.tucan.tu-darmstadt.de)

Application and Admission for international students  
(International Office)

[www.tu-darmstadt.de/aaa](http://www.tu-darmstadt.de/aaa)

Support and counselling for international students

[www.tu-darmstadt.de/aaa/support](http://www.tu-darmstadt.de/aaa/support)

## Zentrale Studienberatung und -orientierung ZSB (Central Student Advisory)

Karolinenplatz 5, 64289 Darmstadt  
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[www.zsb.tu-darmstadt.de](http://www.zsb.tu-darmstadt.de)

### Opening hours

Tuesday & Thursday 10-12 a.m.  
Wednesday 2-4 p.m.  
Thursday 4-6 p.m.

## Imprint

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# Electrical Engineering and Information Technology Bachelor of Science

Elektrotechnik und Informationstechnik (etit) (B.Sc.)



TECHNISCHE  
UNIVERSITÄT  
DARMSTADT



ZENTRALE  
STUDIENBERATUNG  
UND -ORIENTIERUNG



**etit** Fachbereich  
Elektrotechnik und  
Informationstechnik

[www.etit.tu-darmstadt.de](http://www.etit.tu-darmstadt.de)

Today, Electrical Engineering and Information Technology is omnipresent. It affects human life in many different ways. The Bachelor of Science programme Electrical Engineering and Information Technology (etit) at TU Darmstadt enables graduates to participate in planning and realising electro-technical and information-technical components and systems. In the first four semesters, the students undergo a broad scientific education in the fundamental modules of the field.

## Brief Description

## Admission

For information on application deadlines,  
please refer to:  
[www.tu-darmstadt.de/aaa/](http://www.tu-darmstadt.de/aaa/).

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