

Module Overview B. Sc. Electrical Engineering and Information Technology (12 Semesters)

Degree Programme Guidelines as per 01.10.2014, Version 01.10.2016

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

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

Language of Tuition:
GERMAN
Certificates required



This leads to the following *possible* part-time semester course schedule:

1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester
Mathematics I (8 CP)	Mathematics II (8 CP)	Physics I (4 CP)	Physics II (4 CP)	Mathematics III (8 CP)	Mathematics IV (8 CP)
Mentoring (1 CP)		Electrical Engineering and Information Technology I (7 CP)	Electrical Engineering and Information Technology II (7 CP)	Microelectronic Devices (4 CP)	Measuring Technique (4 CP)
Logic Design (6 CP)	General Informatics I (5 CP)	Introductory Project (Projectweek) (2 CP)	General Studies* (3 CP)	Software Lab (4 CP)	Measuring Technique Lab (2 CP)
	General Studies* / Language Course (3 CP)	Electrical Engineering and Information Technology Lab I (4 CP)			
14 CP	17 CP	15 CP	16 CP	16 CP	14 CP
7. Semester	8. Semester	9. Semester	10. Semester	11. Semester	12. Semester
Deterministic Signals and Systems (7 CP)	Introduction to Electrodynamics (5 CP)	Proseminar ETIT (2 CP)	Specialisation** (15 CP)	Specialisation** (14 CP)	Specialisation** (3 CP)
Electronics (4 CP)	Specialisation** (10 CP)	General Studies* (3 CP)			Bachelor's Thesis (12 CP)
Electronics Lab (3 CP)		Specialisation** (10 CP)			
14 CP	15 CP	15 CP	15 CP	14 CP	15 CP

* 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).