

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

Degree Programme Guidelines as per 01.01.2013, Version 01.10.2013

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

Vocational Field of Studies

- ▶ Specialised Science: 100 CP
- ▶ Subject-related Didactics: 20 CP
- ▶ Bachelor's Thesis: 10 CP

Non-vocational Field of Studies:

- ▶ Specialised Science: 10 CP
- ▶ Subject-related Didactics: 10 CP

Educational and Social Sciences: 30 CP



TECHNISCHE
UNIVERSITÄT
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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 (for ETIT) (8 CP)	Mathematics II (for ETIT) (8 CP)	Electrical Engineering and Information Technology I (9 CP)	Electrical Engineering and Information Technology II (9 CP)	Mathematics III (for ETIT) (8 CP)	
Physics I (4 CP)	Physics II (4 CP)		General Informatics I (5 CP)	Elective Area	
					Area of Specialisation*
Fundamentals of Vocational Pedagogy (5 CP)	Teaching and Learning in Vocational Education (9 CP)		Practical Studies in School I or Vocational Extracurricular Studies I (10 CP)		
Social Sciences (6 CP)					
Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP

7. Semester	8. Semester	9. Semester	10. Semester	11. Semester	12. Semester
Deterministic Signals und Systems (7 CP)		Technical Didactics (5 CP)	Application-oriented Research in Technology Didactics (5 CP)	Areas of Focus in Teaching Practice (5 CP)	Electrical Engineering and Information Technology Didactics (5 CP)
Elective Area (10 - 12 CP)				Bachelor's-Thesis** (10 CP)	
Area of Specialisation* (26 -28 CP)					
	Non-vocational Field of Studies: Specialised Science*** (10 CP)				
	Non-vocational Field of Studies: Subject-related Didactics*** (10 CP)				
Social Sciences (6 CP)					
Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP

* Choice between Energy Automation (EA) or Information and Communication Technology (ICT)

** The Bachelor's Thesis is part of the specialised science of the vocational field of studies.

*** Choice of one of the following subjects: German; Ethics; History; Mathematics; Physics; Politics and Economics; Protestant Religion; Catholic Religion or Sports Science.