

Module Overview B. Sc. Information Systems Technology (9 Semesters)

Degree Programme Guidelines as per 01.10.2016, Version 01.10.2018

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

- ▶ **Mandatory Area:** 110-113 CP ■
- ▶ **Mandatory Laboratories:** 7 CP ■
- ▶ **Optional Subject Area:** 35-38 CP ■
- ▶ **General Studies:** 13 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	7. Semester	8. Semester	9. Semester
Mathematics I* (8 CP)	Mathematics II* (8 CP)	Functional and Object-oriented Programming Concepts (10 CP)	Algorithms and Data Structures (10 CP)	Mathematics III (8 CP)	Mathematics IV (8 CP)	Deterministic Signals and Systems (7 CP)	Fundamentals of Communication (6 CP)	Bachelor's Thesis (12 CP)
Electrical Engineering and Information Technology I (7 CP)	Electrical Engineering and Information Technology II (7 CP)	Digital Design (5 CP) or Logic Design (6 CP)	Computer Organisation (5 CP) or Computer Systems I (6 CP)	Introductory Project (Projectweek) (2 CP)	General Studies *** (3 CP)	Software Engineering (5 CP) or Software Engineering-Introduction (6 CP)		
Electrical Engineering and Information Technology Lab Ia and Ib (4 CP)				Electronics (4 CP)			Optional Subject Specialisation**/** (15-38 CP)	
Mentoring (1 CP)		Systems and Parallel Programming (5 CP)	Operating Systems (5 CP)	Electronics Lab (3 CP)	Optional Subject Application**/** (0-20 CP)			
General Studies*** (6 CP)				General Studies*** (3CP)				
20 CP	20 CP	20 CP	21 CP	20 CP	19 CP	20 CP	20 CP	20 CP

* The study achievements are divided into several individual performances distributed over the semester.

** The selected modules of the specialisation or application catalogues must contain at least 2 courses of the type internship, project seminar or (pro) seminar, which may not all be of the same type.

*** Modules that are not already listed in an „open“ catalogue will be supplemented upon application to the Examination Board and in consultation with the Student Advisory Service (see also the overview table with additions:

[http://www.ist.tu-darmstadt.de/under Service/Downloads](http://www.ist.tu-darmstadt.de/under_Service/Downloads))