

Information Systems Technology (B.Sc.) (as per degree programme guidelines 01.10.2018)

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

- ▶ **Mandatory Subject Area:** 110 CP ■
- ▶ **Elective Subject Area:** 38 CP ■
- ▶ **Laboratories (Mandatory):** 7 CP ■
- ▶ **Interdisciplinary Elective Area:** 13 CP ■
- ▶ **Research/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)	Systems and Parallel Programming (5 CP)	Bachelor's Thesis (12 CP)
Functional and Object-oriented Programming Concepts (10 CP)	Algorithms and Data Structures (10 CP)	Deterministic Signals and Systems (7 CP)	Fundamentals of Communication (6 CP)	Operating Systems (5 CP)	
Electrical Engineering and Information Technology I (7 CP)	Electrical Engineering and Information Technology II (7 CP)	Software Engineering (5 CP) <i>or</i> Software Engineering – Introduction (6 CP)	Computer Organisation (5 CP) <i>or</i> Computer Systems I (6 CP)	Electronics (4 CP)	
Mentoring (1 CP)	General Studies* (12 CP)			Electronics Lab (3 CP)	
Electrical Engineering and Information Technology Lab I (4 CP)		Digital Design (5 CP) <i>or</i> Logic Design (6 CP)	Optional Subjects Specialisation** (15-38 CP)		
		Introductory Project <i>Projectweek</i> (2 CP)	Optional Subjects Application** (0-20 CP)		

* Law, Economics, Management, Languages, and Key Competences

** The chosen modules from the Specialisation Area or the Application Area have to contain at least two courses from type Laboratory, project seminar or (pro-)seminar. The two courses must not be from the same type.

Study Programmes

www.tu-darmstadt.de/studieren

hobit – Information fair for pupils

www.hobit.de

TUday – Info day for prospective students

www.tu-day.de

Online Self-Assessment

www.osa.tu-darmstadt.de

Course Schedule

www.tucan.tu-darmstadt.de

Application and Admission for international students
(International Office)

www.tu-darmstadt.de/international

Zentrale Studienberatung und -orientierung ZSB (Central Student Advisory)

Karolinenplatz 5, 64289 Darmstadt

Gebäude S1 | 01

email info@zsb.tu-darmstadt.de

www.zsb.tu-darmstadt.de

Opening hours

Tuesday 10-12 a.m.

Wednesday 2-4 p.m.

Thursday 4-6 p.m. and by arrangement

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Information Systems Technology Bachelor of Science

Informationssystemtechnik (iST) (B.Sc.)



TECHNISCHE
UNIVERSITÄT
DARMSTADT



ZENTRALE
STUDIENBERATUNG
UND -ORIENTIERUNG



 Fachbereich
Informatik

 et:it
Fachbereich
Elektrotechnik und
Informationstechnik

Please fold here

For information on application deadlines please refer to
www.tu-darmstadt.de/international.

Admission

Today, more and more complex microprocessor-controlled information systems are built into – or “embedded in” – all kinds of technical products. This causes the classical borders of hardware and software to blur progressively.

Information Systems Technology takes this development into account. The subject has an interdisciplinary approach, or more precisely: It forms the interface between informatics, electrical engineering, and information technology.

www.ist.tu-darmstadt.de

Brief Description