

Module Overview B. Sc. Civil Engineering and Geodesy - Civil Engineering Profile (12 Semesters)

Degree Programme Guidelines as per 01.10.2016, Version 16.01.2017

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

- ▶ **General Mandatory Modules (both profiles):** 70 CP ■
- ▶ **Mandatory Specialised Courses:** 53 CP ■
- ▶ **Regular Specialised Courses:** 36 CP ■
- ▶ **Optional General Courses:** 6 CP ■
- ▶ **Optional Specialised Courses:** 6 CP ■
- ▶ **Bachelor's Thesis:** 9 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)	Mathematics III (8 CP)			
			Optional General Courses*** (6 CP)	Chemistry I - Basics for Civil Engineering (3 CP)	Construction Technologies and Management A1 (3 CP)
Engineering Mechanics I (6 CP)	Physics (8 CP)		Engineering Mechanics II (6 CP)	Engineering Mechanics III (6 CP)	Basics of Water Supply and Disposal (6 CP)
Introduction to Planning, Designing and Construction (6 CP)		Surveying I/II (8 CP)		Descriptive Geometry (6 CP)	Theory of Structures I (6 CP)
17 CP	15 CP	16 CP	16 CP	15 CP	15 CP
7. Semester	8. Semester	9. Semester	10. Semester	11. Semester	12. Semester
Basics of Engineering Informatics (6 CP)		Principles of Steel Design I (3 CP)		Bachelor's Thesis (9 CP)	
Geotechnics I (3 CP)	Reinforced Concrete Structures I (3 CP)	Traffic I (6 CP)			
Construction Materials (8 CP)	Water Engineering, Water Management and Hydraulic (6 CP)	Optional Specialised Courses** (6 CP)			
	Regular Specialised Courses* (36 CP)				
17 CP	12 CP	15 CP	15 CP	12 CP	15 CP

* A main focus must be chosen from the regular specialised courses („Engineering Management“ or „Infrastructure Planning“ or „Constructive Civil Engineering“ or „Water and Environment“). 36 CP must be acquired in total from this area.

** Modules of the „Regular Specialised Courses“ area that have not been taken yet as well as further modules specified in the Degree Programme Guidelines.

*** Other courses from the TU Darmstadt course catalogue, which allow students to attend interdisciplinary classes