






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

As per degree guidelines 01.10.2021, version 01.10.2021

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

Mandatory Subject Area - Engineering:	91 CP		Optional Subject Area:	24 CP	
Mandatory Subject Area:	47 CP		General Optional Area:	6 CP	
Research/Thesis:	12 CP				

**Language of Tuition:**  
**GERMAN**  
*Certificates required*



This leads to the following *possible* part-time study plan:

1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester	
Mathematics I (6 CP)	Mathematics II (6 CP)	Mathematics III (6 CP)	Construction Operations I (3 CP)	Reinforced Structures I (3 CP)	Basics of Pipe and Channel Hydraulics (3 CP)	
			Planning, Building, Land and Environmental Law (3 CP)	Chemistry I (3 CP)	Basics of Hydrology (3 CP)	
Engineering Mechanics I (6 CP)	Physics/Basic Physics Practical Course for Civil Engineering (8 CP)		Engineering Mechanics II (6 CP)	Engineering Mechanics III (6 CP)	Theory of Structures I (6 CP)	
Basics of Planning, Design and Construction I (6 CP)	Basics of Planning, Design and Construction II (6 CP)	Measurement Technology - Data Acquisition and Geoinformation Systems (8 CP)		Geometric Modelling and Visualisation I (3 CP)	Geometric Modelling and Visualisation II (3 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	
Theory of Structures II (6 CP)	Building Construction and Building Physics (6 CP)	Traffic I (6 CP)	Elective Subject Area <i>Select according to the recommended professional profiles</i> (24 CP)	Bachelor's Thesis (12 CP)		
Construction Materials (8 CP)	Urban Water Management I (6 CP)	Basics of Engineering Informatics (6 CP)		Optional General Courses (6 CP) <i>General catalogue of the TU Darmstadt (except department 13) and language courses</i>		
	Reinforced Concrete Structures I (3 CP)	Geotechnics I (3 CP)		Ø 15 CP	Ø 15 CP	Ø 15 CP
Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	