## Module Overview B.Sc. Civil Engineering and Geodesy - Civil Engineering Profile (9 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:** 

**Mandatory Subject Area:** 

Research/Thesis:

91 CP 47 CP

12 CP

Optional Subject Area: General Optional Area:

24 CP 6 CP

Certificates required

**Language of Tuition:** 

**GERMAN** 



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

1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester	7. Semester	8. Semester	9. Semester
Mathematics I (6 CP)	Mathematics II (6 CP)	Mathematics III (6 CP)	Construction Operations I (3 CP)	Basics of Engineering Informatics (6 CP)	Building Construction and Building Physics (6 CP)	Traffic I (6 CP)		Bachelor's Thesis (12 CP)
			Basics of Hydrology (3 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)		Construction Materials	Reinforced Concrete Structures I (3 CP)	Reinforced Structures I (3 CP)		
		Geometric Modelling and Visualisation I (3 CP)	Geometric Modelling and Visualisation II (3 CP)		Theory of Structures I (6 CP)	Theory of Structures II (6 CP)		
Engineering Mechanics I (6 CP)	Engineering Mechanics II (6 CP)		Basics of Pipe and Channel Hydraulics (3 CP)	Engineering Mechanics III (6 CP)	Urban Water Management I (6 CP)	Geotechnics I (3 CP)	Elective Subject Area  Select according to the recommended  professional profiles  (24 CP)	o the recommended nal profiles
			Planning, Building, Land and Environ- mental Law (3 CP)					
Chemistry I (3 CP)	Physics/Basic Physics Practical Course for Civil Engineering (8 CP)					Optional General Courses (6 CP) General catalogue of the TU Darmstadt (except department 13) and language courses		
Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP