Module Overview B.Sc. Civil Engineering and Geodesy - Geodesy 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:	**91 CP**	**Optional Subject Area:**	**21 CP**
Mandatory Subject Area:	**45 CP**	**General Optional Area:**	**11 CP**
Research/Thesis:	**12 CP**		

Language of Tuition: GERMAN
Certificates required

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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)	Remote Sensing 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)		Introduction to Geodetic Metrology (6 CP)	Geodetic Metrology I (6 CP)	Land Readjustment and Land Management I (6 CP)	Parameter Estimation I (6 CP)	
		Geometric Modelling and Visualisation I (3 CP)	Basics of Pipe and Channel Hydraulics (3 CP)					
Engineering Mechanics I (6 CP)	Engineering Mechanics II (6 CP)	Digital Image Processing (3 CP)	Planning, Building, Land and Environmental Law (3 CP)	Geodatabases I (6 CP)	Urban Water Management I (6 CP)	Elective Subject Area *Select according to the recommended professional profiles* (21 CP)		
	Physics/Basic Physics Practical Course for Civil Engineering (8 CP)		Optional General Courses (11 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