

Module Overview B.Sc. Civil Engineering and Geodesy - Geodesy 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:	21 CP	■
Mandatory Subject Area:	45 CP	■	General Optional Area:	11 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)	Introduction to Geodetic Metrology (6 CP)	Basics of Pipe and Channel Hydraulics (3 CP)
			Planning, Building, Land and Environmental Law (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)	Geodatabases I (6 CP)	Geodetic Metrology 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)	Optional General Courses (3 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
Land Readjustment and Land Management I (6 CP)	Building Construction and Building Physics (6 CP)	Traffic I (6 CP)	Remote Sensing I (6 CP)		Bachelor's Thesis (12 CP)
Digital Image Processing (3 CP)	Urban Water Management I (6 CP)	Basics of Engineering Informatics (6 CP)			
Optional General Courses (5 CP)	Parameter Estimation I (6 CP)		Optional General Courses (3 CP)	Elective Subject Area <i>Select according to the recommended professional profiles</i> (21 CP)	
Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP