







Civil Engineering and Geodesy (B.Sc.) - Civil Engineering Profile

The degree programm 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	
Regular Specialised Courses::	6 CP	
Research/Thesis:	9 CP	

Language of Tuition:
GERMAN
certificates required

The following **module overview** is an abbreviated, easy-to-read version of the **official course schedule** in the examination regulations, to be found in the Satzungsbeilagen of TU Darmstadt:

1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester
Descriptive Geometry (6 CP)		Basics of Engineering Informatics (6 CP)	Construction Technologies and Management A1 (3 CP)	Geotechnics I (3 CP)	Regular Specialised Courses* (e.g. 18 CP)
Mathematics I (8 CP)	Mathematics II (8 CP)	Mathematics III (8 CP)	Basics of Water Supply and Disposal (6 CP)	Principles of Steel Design (3 CP)	
Engineering Mechanics I (6 CP)	Physics (8 CP)		Reinforced Concrete Structures I (3 CP)	Traffic I (6 CP)	
Surveying I/II (8 CP)		Engineering Mechanics III (6 CP)	Theory of Structures I (6 CP)	Regular Specialised Courses* (e.g. 12 CP)	Optional Specialised Courses** (6 CP)
Introduction to Planning, Designing and Construction (6 CP)		Construction Materials (8 CP)	Water Engineering, Water Management and Hydraulic (6 CP)		Bachelor's Thesis (9 CP)
Chemistry I – Basics for Civil Engineers (3 CP)	Engineering Mechanics II (6 CP)		Regular Specialised Courses* (e.g. 6 CP)		
Optional General Courses <i>Other courses from the TU Darmstadt course catalogue, which allow students to attend interdisciplinary classes</i> (6 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.

Study Programmes

www.tu-darmstadt.de/studieren

hobit – Information fair for pupils

www.hobit.de

TUday – Info day for prospective students

www.tu-day.de

Online Self-Assessment

www.osa.tu-darmstadt.de

Course Schedule

www.tucan.tu-darmstadt.de

Application and Admission for international students
(International Office)

www.tu-darmstadt.de/international

Zentrale Studienberatung und -orientierung ZSB (Central Student Advisory)

Karolinenplatz 5, 64289 Darmstadt

Gebäude S1 | 01

email info@zsb.tu-darmstadt.de

www.zsb.tu-darmstadt.de

Opening hours

Tuesday 10-12 a.m.

Wednesday 2-4 p.m.

Thursday 4-6 p.m. and by arrangement

Imprint

Publisher

President of TU Darmstadt

Editorial office

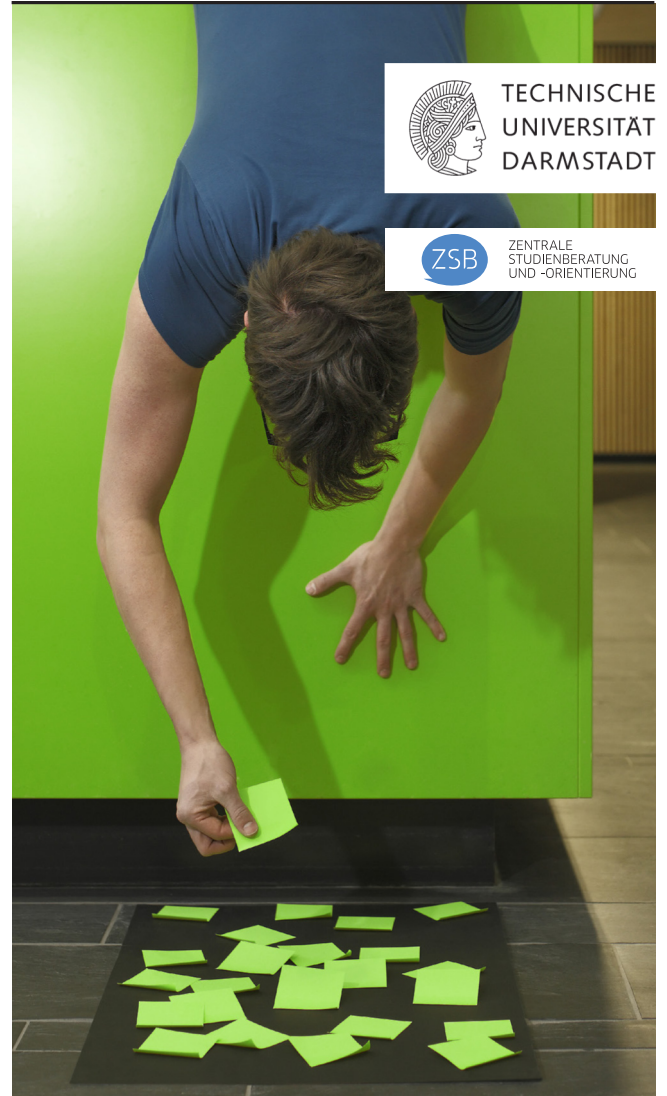
Zentrale Studienberatung und
-orientierung ZSB

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Civil Engineering and Geodesy

Civil Engineering Profile Bachelor of Science

Bauingenieurwesen (B.Sc.)



Design: DUBBEL SPÄTH, Darmstadt | Titelfoto: Gregor Schuster, Darmstadt

Brief Description

The Bachelor of Science Civil Engineering and Geodesy is divided into its two majors, Civil Engineering and Geodesy. The mathematical and mechanic fundamentals of the first semester remain more or less identical; however, different subject-specific study contents of the respective major are integrated into the degree course scheme from the very beginning. The students do not have to choose their major when applying. Instead, the decision is made during the course of study when registering for the first exam given within the selected major.





www.bauing.tu-darmstadt.de

Admission

For information on application deadlines please refer to www.tu-darmstadt.de/international

Civil Engineering and Geodesy (B.Sc.) - Geodesy Profile

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

General Mandatory Modules (both profiles):	70 CP	
Mandatory Specialised Courses:	95 CP	
Optional General Courses:	6 CP	
Research/Thesis:	9 CP	

Language of Tuition:
GERMAN
certificates required

The following **module overview** is an abbreviated, easy-to-read version of the **official course schedule** in the examination regulations, to be found in the Satzungsbeilagen of TU Darmstadt:

1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester
Descriptive Geometry (6 CP)	Fundamentals of Geodesy (6 CP)	Basics of Engineering Informatics (6 CP)	Basic Project Real Estate (6 CP)	Image Processing (5 CP)	Remote Sensing I (6 CP)
Mathematics I (8 CP)	Mathematics II (8 CP)	Mathematics III (8 CP)	Municipal Land-Use Planning I (6 CP)	Land Tenure and Land Readjustment as well as Real Estate Management I (6 CP)	Geoinformation Systems I (6 CP)
Engineering Mechanics I (6 CP)	Physics (8 CP)		Metrology (6 CP)	Engineering Geodesy I (6 CP)	Physical Geodesy I and Reference Systems I (6 CP)
Surveying I/II (8 CP)		Engineering Mechanics III (6 CP)	Parameter Estimation I (6 CP)	Photogrammetry I (6 CP)	Bachelor's Thesis (9 CP)
Introduction to Planning, Designing and Construction (6 CP)		Geo-Databases (6 CP)	Sensor Systems I (6 CP)	Satellite Geodesy I and Navigation I (6 CP)	
	Differential Geometry and Geodesy (6 CP)				

Optional General Courses:

Other courses from the TU Darmstadt course catalogue, which allow students to attend interdisciplinary classes
(6 CP)

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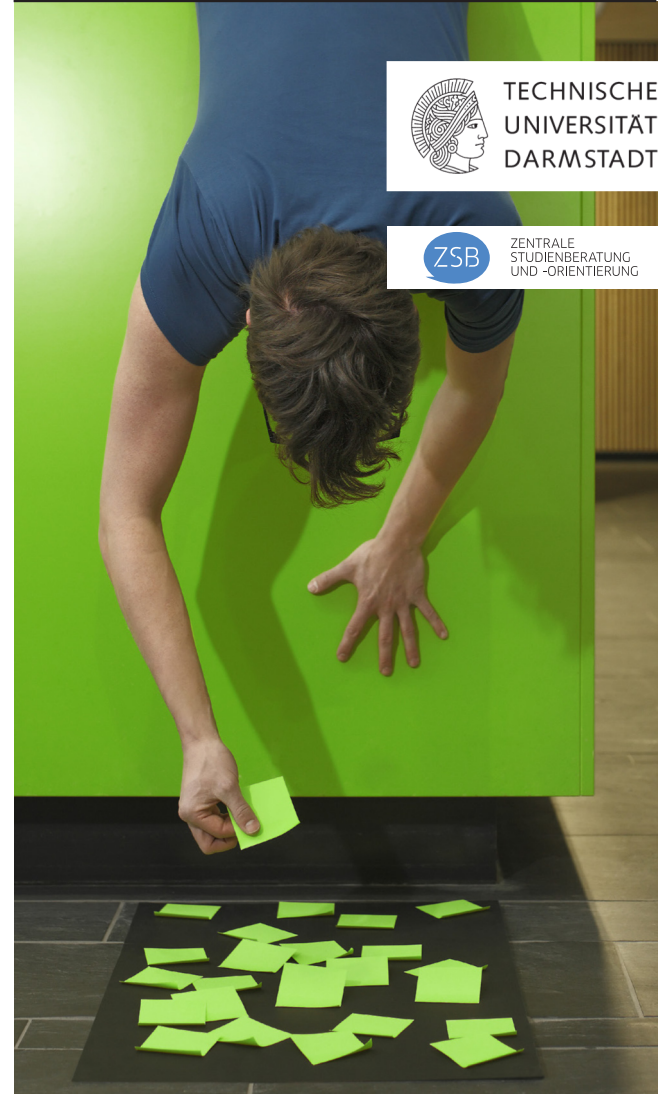
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Civil Engineering and Geodesy

Geodesy Profile

Bachelor of Science

Geodäsie (B.Sc.)



Design: DUBBEL SPÄTH, Darmstadt | Titelfoto: Gregor Schuster, Darmstadt

Brief Description

The Bachelor of Science Civil Engineering and Geodesy is divided into its two majors, Civil Engineering and Geodesy. The mathematical and mechanic fundamentals of the first semester remain more or less identical; however, different subject-specific study contents of the respective major are integrated into the degree course scheme from the very beginning. The students do not have to choose their major when applying. Instead, the decision is made during the course of study when registering for the first exam given within the selected major.

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