

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

Language of Tuition:
GERMAN
certificates required

- General Mandatory Modules:** 91 CP ■
- Mandatory Subject Area:** 47 CP ■
- Elective Subject Area:** 21 CP ■
- Optional General Courses:** 6 CP ■
- Research/Thesis:** 12 CP ■

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:

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

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.self-assessment.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 and Orientation Office)

Karolinenplatz 5, 64289 Darmstadt

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Opening hours: www.zsb.tu-darmstadt.de

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Zentrale Studienberatung und
-orientierung ZSB

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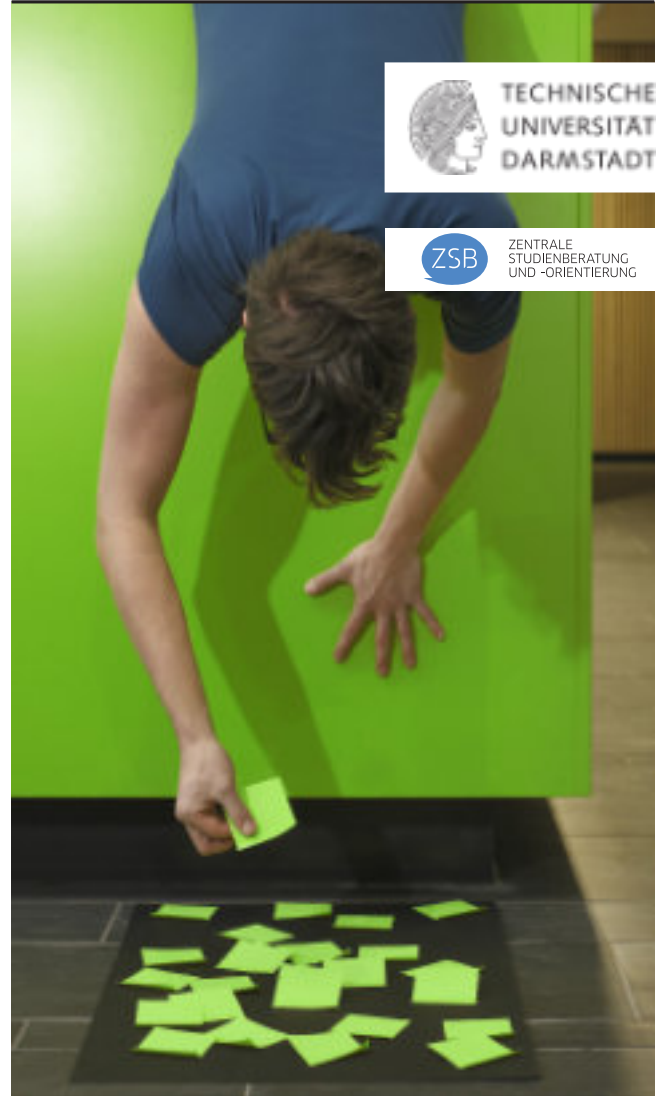
www.tu-darmstadt.de/international

For information on application deadlines please refer to

Admission

Bauingenieurwesen und Geodäsie

Ausrichtung Bauingenieurwesen Bachelor of Science



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

Department of
Civil and Environmental Engineering



www.bauing.tu-darmstadt.de

The Bachelor of Science Bauingenieurwesen und Geodäsie 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.

Brief Description

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

Language of Tuition:
GERMAN
certificates required

- General Mandatory Modules:** 91 CP ■
- Mandatory Subject Area:** 45 CP ■
- Elective Subject Area:** 21 CP ■
- Optional General Courses:** 11 CP ■
- Research/Thesis:** 12 CP ■

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:

1st semester	2nd semester	3rd semester	4th semester	5th semester	6th semester
Geometric Modelling and Visualisation I (3 CP)	Basics of Planning, Design and Construction II (6 CP)	Basics of Engineering Informatics (6 CP)	Construction Operations I (3 CP)	Traffic I (6 CP)	Remote Sensing I (6 CP)
Mathematics I (6 CP)	Mathematics II (6 CP)	Mathematics III (6 CP)	Building Construction and Building Physics (6 CP)	Elective Subject Area <i>Select according to the recommended professional profiles</i> (21 CP)	
Geometric Modelling and Visualisation I (3 CP)	Physics/Basic Physics Practical Course for Civil Engineering (8 CP)		Basics of Hydrology (3 CP)	Optional General Courses (11 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)	Bachelor's Thesis (12 CP)
Engineering Mechanics I (6 CP)	Engineering Mechanics II (6 CP)	Geodatabases I (6 CP)	Urban Water Management I (6 CP)	Digital Image Processing (3 CP)	
	Planning, Building, Land and Environmental Law (3 CP)		Basics of Pipe and Channel Hydraulics (3 CP)		
			Parameter Estimation I (6 CP)		

Study Programmes

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Gebäude S1 | 01

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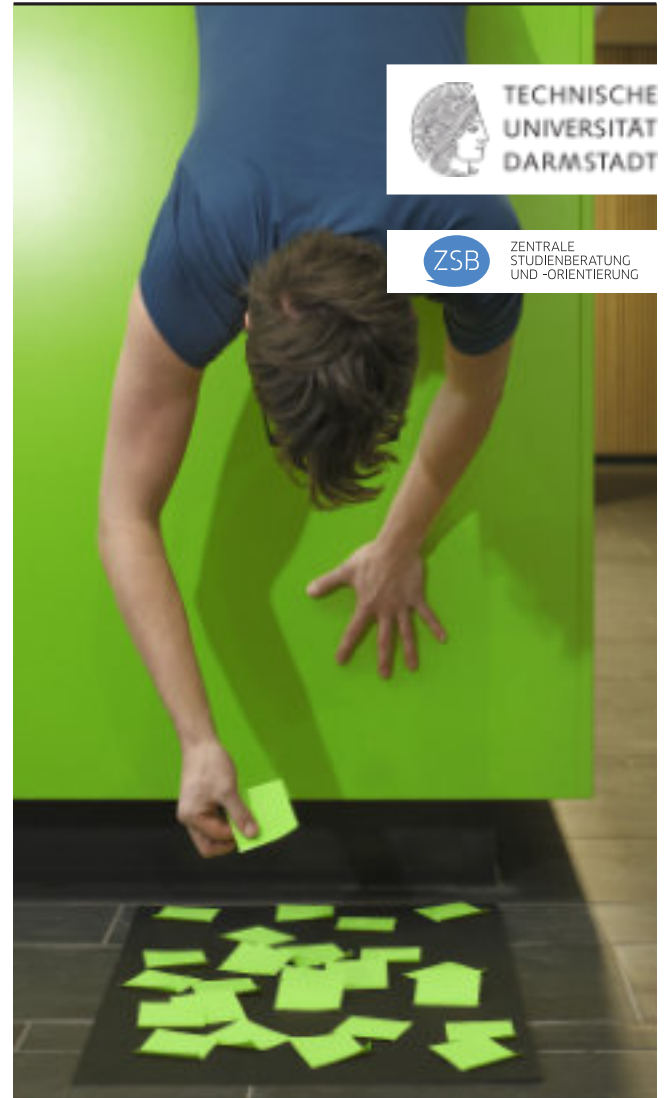
Editorial office

Zentrale Studienberatung und
-orientierung ZSB

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Bauingenieurwesen und Geodäsie

Ausrichtung Bauingenieurwesen Bachelor of Science



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

Department of
Civil and Environmental Engineering



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