Civil Engineering and Geodesy (B.Sc.) (Civil Engineering Profile)
(as per degree programme guidelines 01.04.2016)

The degree programme 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
- **Optional Specialised Courses:** 6 CP
- **Bachelor’s Thesis:** 9 CP

This leads to the following **possible** semester course schedule:

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

Source: https://bauing.tu-darmstadt.de/Satzungsbeilage_2017_1; 2019_05_08
Civil Engineering and Geodesy

Civil Engineering Profile

Bachelor of Science

Bauingenieurwesen (B.Sc.)

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)
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www.zsb.tu-darmstadt.de

Opening hours
Tuesday 10-12 a.m.
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Thursday 4-6 p.m. and by arrangement

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