

# Civil Engineering

Degree	<b>Bachelor of Engineering (B.Eng.)</b>
Type of study	<b>Cooperative</b>
Standard period of study	<b>6 semesters (incl. internship)</b>
Commencement of studies	<b>Winter semester (1 Oct)</b>
Credits (ECTS)	<b>210</b>
Language of instruction	<b>German</b>
Department / Central Institute	<b>Department of Cooperative Studies</b>

## Degree programme

Whether flats, factories, museum and theatres, schools, roads, tunnels, airports or offshore wind parks, the work of Civil Engineers exercises a key influence on our world. Construction is a key aspect of value creation involving investment and commercial challenges, and it has a lasting impact on our built environment. Civil engineers are involved in all three levels: as planners, construction managers or town planners.

This cooperative studies degree programme seeks to train specialists for all three tasks. Placing the central priority on providing well-grounded training in the fundamentals of the subject, the degree programme also seeks to enable students to develop the methodological and social skills requisite for a demanding profession. As such, it ensures regular practical phases in Civil Engineering companies

## Professional field

Civil Engineers are employed in a range of positions: engineering companies, planning and construction companies, construction and project management companies, building services providers and public administrations. This degree qualification corresponds to the earlier Diplom-Ingenieur (FH).

## Degree structure

The first four semesters focus on the foundation courses Mathematics, Mechanics, Structural Design, Building Physics and Construction Materials. Later in the programme, students can develop specialisms in Support Structures, Structural Engineering, Civil Engineering Geology and Water, Traffic and Environmental Sciences. The fourth and fifth semesters focus on interdisciplinary projects which deal with selected issues from a practice setting; these can provide inspiration for the final thesis.

## Course contents

foundation for a career as a Civil Engineer.

These skills include:

- The development, presentation, technical optimization and economic evaluation of construction designs

## Division Director

Department of Cooperative Studies

**Prof. Dr.-Ing. Helmut Schmeitzner**

Professor of Construction

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## Guidance for prospective students

Department of Cooperative Studies

**Personal counselling for dual study programmes**

**+49 30 30877-2000**

**studienberatung.dual@hwr-berlin.de**

Office hours (without advance notice)

Thu 15.00 -17.00

Study counselling by telephone

Thu 14.00 -15.00



- Static calculations
- The confident use of the core instruments of Construction Site
- Management (e. g. spreadsheets, timetabling)
- The ability to complete construction projects in accordance with the legal specifications and co-ordinate of all those involved in construction work

Students practice all the requisite project and team working skills in design and study projects. During the practical phase, students learn about the various business fields in which their host company works. They also develop an understanding of commercial culture and grasp the central importance of the construction site as the focus of activities.

We work together with construction companies, planning offices and the public administration.

### Admission requirements

- University entrance qualification or an entrance qualification for a University of Applied Sciences
- A contract (on a form) with a suitable apprenticeship institution/ company

### Application procedure and deadlines

Those interested in a dual study program do not apply to the HWR Berlin but directly to the dual partners using the partner database on our website. These partners select their future dual students from the applicants and conclude a study agreement with them.

Apply in time: Many companies select their dual students more than one year before the start of studies.

The cooperation partners of this study programme are listed at the end of this page.

### Accreditation

Programmakkreditiert durch den Akkreditierungsrat

### Fees and grants

Tuition fees	<b>None</b>
Semesterfee	<b>ca. € 300 per semester (incl. local transport semester ticket)</b>