Do you find it fascinating to manage buildings throughout their entire life cycles and be involved in planning, constructing, financing, maintaining and operating them? Do you want to work in an interdisciplinary manner and learn to see buildings as complex, holistic systems? Then come to Weimar!

The Course programme of Management [Construction Real Estate Infrastructure] offers you the following degree programmes:

- B.Sc. in Management [Construction Real Estate Infrastructure] (standard period of study 6 semesters)
- M.Sc. in Management [Construction Real Estate Infrastructure] (standard period of study 4 semesters)

For more information, please visit: www.uni-weimar.de/civilengineering.

»I know from experience, that interdisciplinary competence is a much appreciated skill especially in the construction, real estate and infrastructure sector. During my own studies, I had to complete two additional Diploma courses at two different faculties in order to acquire the knowledge in civil engineering and economics that I needed. Today, our students can explore all these topics in one degree programme: Management [Construction Real Estate Infrastructure]. This programme focuses not only on the construction process itself but also on the maintenance and operation of our built environment. Therefore, our graduates are in many respects highly trained generalists«

Prof. Dr.-Ing., Dipl.-Wirtsch.-Ing. H.W. Alfen Head of the degree programme
Enormous changes in our environment and society have had a significant impact on our »built environment«. To meet a growing number of demands, this constructed environment has become in many ways more intelligent and complex. Planning, financing, constructing, operating and maintaining buildings and infrastructural facilities have resulted in a growing need for generalists with an interdisciplinary academic background. They must understand the thought processes and language of the many specialists involved in these areas, coordinating their activities and serving as intermediaries. At the Faculty of Civil Engineering, we have successfully trained such well-rounded generalists in our Management [Construction Real Estate Infrastructure] degree programme for more than ten years.

Our graduates possess a selected combination of skills from the areas of Architecture, Engineering and Economics, along with relevant legal expertise. We offer an attractive, well-balanced curriculum of interdisciplinary and cross-faculty courses, supplemented with an appropriate amount of practical work thanks to our contacts with well-known companies. For more information, please visit: www.uni-weimar.de/civilengineering.
WHAT DOES THE PROGRAMME OFFER?

In the six-semester bachelor's degree programme in Management [Construction Real Estate Infrastructure] our students learn to think and act in an interconnected, system-oriented and entrepreneurial manner. To achieve this, they complete successive courses to learn:

- Basic knowledge of Mathematics and Computer Science
- Fundamentals of the basic disciplines, e.g. Economics, Business Administration, Geodesy, Soil Mechanics, Supporting Structures, Building Materials Science, Building Theory, Construction Management and Infrastructure, and Law
- Advanced knowledge of the basic disciplines, e.g. External and Internal Accounting, Financing, Investment Accounting, Marketing, Real Estate and Infrastructural Business Administration, Foundation Engineering, Building Technology, Building Climate Control, Construction Processes, Real Estate and Building Law, Contract Law and Environment
- Interdisciplinary fundamentals in Project Development, Real Estate Evaluation, as well as Project, Quality, Ethics, Risk and Strategic Management

Furthermore, we strongly focus on building soft skills at the beginning of the degree programme with courses in rhetoric, presentation and negotiation. This helps strengthen our students' social competence, communication skills and capacity to assume management-level responsibilities. The project study component of the programme allows students to independently gain key qualifications, e.g. in scientific working methods, presentation techniques and team work. It also enables them to gain practice-related, holistic and interdisciplinary understanding of buildings and structures in their life cycle. Before they can begin their bachelor’s thesis, students are required to complete a twelve-week internship at a construction-, real estate- or infrastructure-related business. The internship can be completed at one or more firms. The internship requirement is met if the student has already completed a professional training programme in the construction trade, real estate or infrastructure sector, in finance or legal counselling. We strongly recommend that students complete at least four weeks of their internship before commencing their studies. The bachelor’s thesis, which can be integrated in the current research projects at the Faculty of Civil Engineering and is intensively supervised by a faculty member, demonstrates the student’s ability to work in scientific manner.
HOW DO I APPLY?

If you are interested in construction, business administration and management, and if you possess a basic understanding of technology and have attained your university entrance qualification, then you meet the general criteria for admission to our degree programme. We have developed an online assessment test to make your decision easier. Candidates are asked to take this test before submitting their application. You are not required to provide your name, and the test results have no effect on your admission chances, but only serve to help you assess your aptitude. There are no admission restrictions.

Students may only begin the bachelor’s degree programme in Management [Construction Real Estate Infrastructure] in the winter semester. For current information on application and enrolment deadlines and the possibility of applying online, please visit: www.uni-weimar.de/online-application. If you have any other questions, please contact our faculty advisors at: fsb.management@bauing.uni-weimar.de.
WEIMAR FOR STUDENTS

In Weimar, there is a long tradition of venturing in new directions. In awareness of the historic accomplishments – Classicism, Bauhaus, German democracy – student life in Weimar is also anchored in its own contemporary microcosm. The cultural spectrum of the city is comprised of numerous small organisations, e.g. the student union in M18, the university gallery »marke.6«, the student-initiated soap box derby SpaceKidHeadCup. Every two years, the Faculty of Civil Engineering organises the popular concrete-boat christening ceremony at the outdoor swimming pools at the Schwanseebad. Four cinemas, several small theatre venues, over 20 museums and diverse student clubs and concert events further enhance Weimar’s reputation as a European capital of culture and contribute to an exciting and eventful student life. When you come to Weimar, you immediately notice its familiar, small-town feeling. Most places are close by and can be quickly and comfortably reached by bike or on foot. For more information about the opportunities awaiting you in Weimar, please visit: www.uni-weimar.de/weimar-for-students.
AND AFTER MY STUDIES?

After successfully completing your bachelor’s degree, you are eligible for admission to the four-semester master’s degree programme Management [Construction Real Estate Infrastructure] at the Bauhaus-Universität Weimar.

After completing this programme, you will be qualified to work internationally in a variety of areas in the private as well as in the public sector in mid-level administrative and supervisory positions and lower echelon management positions.

You will be able to carry out a variety of tasks, such as:

_ Developing, executing and supervising publicly or privately funded projects in the areas of real estate and infrastructure
_ Analysing profitability of construction, real estate and infrastructural projects
_ Management tasks in the construction, real estate and infrastructural branches: market analyses, strategy and business development, project/business controlling, risk and quality management, construction site logistics
_ Technical, infrastructural and business administrative facility management tasks
_ Structuring insurance solutions and other services in the insurance branch
By combining excellent professional specialisation in construction, real estate and infrastructure with a strong, practice-oriented, interdisciplinary and project-based curriculum, our master’s degree graduates can look forward to a wide array of professional opportunities. Thanks to the modular structure of our programme, students can form their own concentrations during their programme, and thereby obtain professional specialisation. They are familiar with the latest developments in their field through the close interweave of research and instruction, and can even participate in current research projects. The integrated period of foreign study and various English-language lectures guarantee an international academic quality.

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WHAT DOES THE PROGRAMME OFFER?

This master’s degree programme builds on the material taught in the preceding undergraduate programme. Students are expected to learn the established methodological techniques, with which they can develop problem-solving competence, analyse trends and solve current problems.

During this four-semester programme, students are taught advanced interdisciplinary fundamentals with courses in project financing, profitability analyses, public-sector procurement management, sustainability analysis and management, facility management, risk management, urban redevelopment, system technology and simulation, along with lectures, practical sessions and independent project work dealing with legal issues and contractual agreements. Due to the modular structure of the courses, students are able to focus on a specific area of personal interest.

This master’s degree programme offers a number of modules with which students can form their own concentrations, e.g.:

»Construction Management«
- Accounting in the construction industry
- Controlling in the construction industry
- Building calculations and controlling
- Construction in built environment
- Production technology, logistics

»Real Estate Management«
- Real estate economics
- Real estate investment products
- Strategic facility management
- CREM/PREM
- Basic tax law for the real estate sector
- Building technology

»Infrastructure Management«
- Traffic planning
- Urban infrastructure management
- Demographics and urban development
- Residential water management
- Maintenance management of civil engineering structures
- Dimensioning and networking modes of transport
- Renewable energies
- Strategic infrastructure management
By choosing a certain modules, the students themselves are allowed to specialise their expertise within their concentration.

Several courses are taught in English and contain academic requirements which must be completed in a foreign-speaking country. Our close contact with international partner universities and the possibility to hold video and Internet conferences with them ensure the strong international orientation of this master’s degree programme.

Under supervision by one of our faculty members, students are required to complete a master’s thesis during the fourth semester to demonstrate their ability to work in a qualified, scientific manner.
HOW DO I APPLY?

If you have obtained your bachelor's degree and would like to gain more in-depth knowledge of Management [Construction Real Estate Infrastructure], we invite you to apply for admission to our master's degree programme. To be eligible for this bilingual degree programme (German and English), you must have obtained a Bachelor of Science (B. Sc.) in Management [Construction Real Estate Infrastructure] or comparable first-level professional qualification deemed equivalent by the responsible examination committee, or a degree from a public or state-recognised university of cooperative education. You should also possess good German and English language skills and be interested in subject-relevant, technical-economic relationships. Students may begin the master's degree programme Management [Construction Real Estate Infrastructure] in either the summer or winter semester. For current information on application and enrolment deadlines and the possibility of applying online, please visit: www.uni-weimar.de/online-application. If you have any other questions, please contact our faculty advisors at: fsb.management@bauing.uni-weimar.de.

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AND AFTER MY STUDIES?

After completing this degree programme, you will have no difficulty carrying out supervisory tasks at the mid-management level. Furthermore, you will possess outstanding potential for rapid advancement to higher management positions.

You can expect excellent career and employment opportunities in the following areas:

- Engineering and architecture firms
- Construction companies providing system solutions for the entire life cycle of buildings and structures
- Project management consultants and project developers
- Real estate and infrastructure related companies
- Financial consultants, leasing companies, portfolio managers, institutional investors, banks, insurance companies
- Builder owners of housing, industrial or commercial properties
- Infrastructure operating companies (transportation, energy, water, waste etc.)
- R&D institutes

Students who attain an above-average final grade in this master's degree programme are eligible to pursue a doctorate or gain admission to a PhD programme.
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Faculty Advising
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Subject to change. For updates, please check the university website.

www.uni-weimar.de