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CIVIL ENGINEERING

**ENVIRONMENTAL  
ENGINEERING**  
M.Sc.

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## MASTER'S DEGREE PROGRAMME ENVIRONMENTAL ENGINEERING

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The extensive problems facing urban environments require innovative and sustainable solutions. Do you also want think and act globally in order to design our technical infrastructure in the fields of water, waste water, transportation, waste and energy in a sustainable and socially compatible manner? Are you interested in participating in strongly practice-oriented projects during your studies which acquaint you with the challenges facing various regions and countries around the world? Then come to Weimar! The Environmental Engineering master's degree programme is characterised by a high degree of specialisation combined with the necessary fundamental knowledge, international orientation and methodical expertise based on the latest standards in technology. Our students possess a combination of engineering and natural scientific skills and understand the complex interplay between technology and the environment. They gain the necessary knowledge to make a significant contribution toward solving the problems of our time. For more information, please visit: [www.uni-weimar.de/bauing](http://www.uni-weimar.de/bauing).

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»Energy, transport, water and waste are globally significant issues and will continue to be so in the future. There is a growing demand for well-trained engineers from Germany. Career perspectives are extremely promising as there is an enormous backlog of investment in reconstruction and maintenance of our public infrastructure which will have to increase in the coming decades to ensure the operation of our cities. This degree programme trains engineers who take responsibility for planning and assessment, material flow management and its corresponding process technology in the infrastructure of urban environments.« *Prof. Dr.-Ing. Jörg Londong*

*Head of the degree programme*

## WHAT DOES THE PROGRAMME OFFER?

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The four-semester master's degree programme in Environmental Engineering builds on the natural scientific and engineering fundamentals taught in the undergraduate programme. The obligatory modules consist of the basic subjects Mathematics/Statistics, Applied Computer Science and Urban Infrastructure Management. Elective modules may include any of the courses offered at the university. The compulsory modules contain subject-specific basic subjects such as Waste, Residential Water Management, Environmental Geotechnical Engineering/Hazardous Waste/Landfill Construction and Transportation. The elective compulsory modules allow students to specialise in an area of interest. Students can put together elective modules from the entire range of courses offered at the university, e.g. a language module for a period of study abroad, and parts of the elective compulsory modules from the wide range of courses offered by the Faculty of Civil Engineering.

The Environmental Engineering master's degree programme requires all students to complete a period of foreign study. This provides them the chance to complete at least

two modules (or 12 credit points) at a university in a foreign-speaking country. We recommend that students gain practical work experience in their professional field during their studies. However, students are not required to complete an internship as part of this master's degree programme. In the fourth semester, students are required to write a research-related master's thesis, supervised by a faculty member. The purpose of the thesis is to demonstrate one's ability to work in an engineering-scientific manner and discuss one's topic with a focus on one's professional goals if possible.



## HOW DO I APPLY?

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Students may begin the Environmental Engineering master's degree programme in either the winter or summer semester. To be eligible for admission, you must have attained a Bachelor of Science (B.Sc.) degree with a final grade of 2.0 or better in Engineering or an equivalent subject-related, first-level professional qualification. Graduates with other degrees can be admitted after successfully completing an assessment test or interview. Application is possible through [www.uni-weimar.de/online-application](http://www.uni-weimar.de/online-application). Students may only begin the programme in the winter semester. If you have any further questions, please contact our faculty advisors at: [fsb.ui@bauing.uni-weimar.de](mailto:fsb.ui@bauing.uni-weimar.de).

## WEIMAR FOR STUDENTS

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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](http://www.uni-weimar.de/weimar-for-students).



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## AND AFTER MY STUDIES?

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Whether you decide to work in Germany or abroad, an Environmental Engineering master's degree will allow you to enter a variety of exciting professional fields. Our graduates are typically found in positions of responsibility with regard to planning concepts, assessment, material flow management and its corresponding process engineering at:

- \_ Engineering and planning offices
- \_ Technical and regulatory agencies
- \_ State and municipal administrative authorities
- \_ Research institutes
- \_ Testing institutes and service providers in the field of urban development and city management

With a final grade of 2.0 or better on your master's degree, you are eligible to pursue a doctorate or gain admission to a Ph.D. programme.

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## General Academic Advising

Campus.Office

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Geschwister-Scholl-Straße 15

99423 Weimar

phone: +49 (0) 36 43/58 23 23

e-mail: [study@uni-weimar.de](mailto:study@uni-weimar.de)

Information and office hours:

[www.uni-weimar.de/academic-advising](http://www.uni-weimar.de/academic-advising)

## Faculty Advising

e-mail: [fsb.ui@bauing.uni-weimar.de](mailto:fsb.ui@bauing.uni-weimar.de)

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