

Major 2 Water

Hydrology, environmental microbiology, water extraction, and dealing with extreme weather events are sustainability topics that are becoming increasingly important for our future and climate protection. Climate change-induced water scarcity and the loss of water quality due to micropollutants make this field of work the most crucial part of our future public services. Modern bioreactors enable wastewater reuse and turn sewage treatment plants into resource sources. If you are interested in biological and chemical processes, this Major 2 is the right choice for you. Since these are global problems, these Major 2 subjects are offered in English.

Career opportunities

As an environmental engineer or environmental technology engineer specialising in water, you will have the opportunity to pursue a career in many different areas. You can work in a managerial position controlling technical environmental protection systems. You can take over the planning of these systems in engineering offices or work as a consultant with your own office. There are also many opportunities in administration, such as in water authorities or emission control authorities, and another exciting field of work is research at colleges and universities or in the development departments of companies. In industry, you can also be responsible for environmental protection, water protection or sustainability.

Major 2 Subjects

- _ Hydrology and Hydrogeology
- _ Environmental Microbiology and Ecotoxicology
- _ Tap water Treatment
- _ Mechanical wastewater treatment
- _ Biological and chemical wastewater treatment
- _ Microbiology
- _ Microbiological process technology

Example for elective Modules

- _ Climate change and ecology
- _ Energy- and resource Efficient Water use
- _ Emission and air pollution

