Bingen Technical University of Applied Sciences

‘Practically’ the best choice

Bingen Technical University of Applied Sciences has been training students in engineering and life sciences since 1897. We provide qualified teaching, an intensely practical orientation while closely cooperating with companies. Our approximately thirty degree courses cover engineering, life sciences, IT and communication technology. As a result of application-oriented research, prospective academic degrees from bachelors to doctorates are open to you here. Another advantage are our dual programs during your vocational training or career. Exchange programs and double degrees enable you to supplement your skills with international experience.

Geared towards the substantial needs of the working world and life, we work closely with regional and national companies to ensure these requirements are met. As a graduate of Bingen UAS, you will be familiar with the practical aspects and will have already made important contacts.

Solid career paths in the business and science worlds will consequently be available to you. We follow the European Credit Transfer System (ECTS). There are currently no numerus clausus restrictions in admissions.

Studying at Bingen UAS means personal supervision and support, short paths and communication channels including open doors at a modern yet historical university of applied sciences on its own campus.

Applying to the degree course Master of
Environmental Sustainability

The master’s degree course starts in the summer and the winter semesters. Applications are completed and submitted online at th-bingen.de/einschreibung

Contact

Technische Hochschule Bingen
Environmental Sustainablitiy

Berlinstraße 109
55411 Bingen am Rhein
Germany

Academic Advisory Office
beratung-mi-es@th-bingen.de
T. +49 6721 409-564

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th-bingen.de/en

Environmental Sustainability

Master’s course (English)

Start: winter semester 22/23

04.04.2022

“Only if we understand, can we care. Only if we care, we will help. Only if we help, we shall be saved.”

– Jane Goodall | Researcher, activist

TH BINGEN
University of Applied Sciences

Environmental Sustainability

Aiming for the Goal with Interdisciplinarity

Conserving natural resources is the primary objective when it comes to the future. Doing so will sustainably improve and secure our livelihoods and those of our descendants. The UAS Bingen was the first university in Germany to establish a course of study in environmental protection in 1974. Since then, the curricula and teaching methods have continuously been adapted to the latest developments.

Interdisciplinary teaching takes priority in the degree course Master's in Environmental Sustainability.

Students from different bachelor programs come together to contribute their expertise to international and interdisciplinary projects. Classes are taught in English.

Course structure

The master's degree course is designed for a standard period of study of three semesters and 90 ECTS credits. It concludes with the awarding of the academic degree Master of Science (M. Sc.). Each semester begins with a project workshop for all students. First-year students learn methods and choose their project topic. Higher-semester students present their project status. Only the project and master's thesis are compulsory. Any remaining modules are entirely the students´ choices. The individual academic advisory service will support you to create suitable combinations, considering your existing knowledge, interests and career goals.

Lectures, seminars and practical internships are held during the first two semesters only. The third semester is dedicated to the master's thesis.
A term abroad at University of Sopron / Hungary or any partner University is optional but not compulsory.

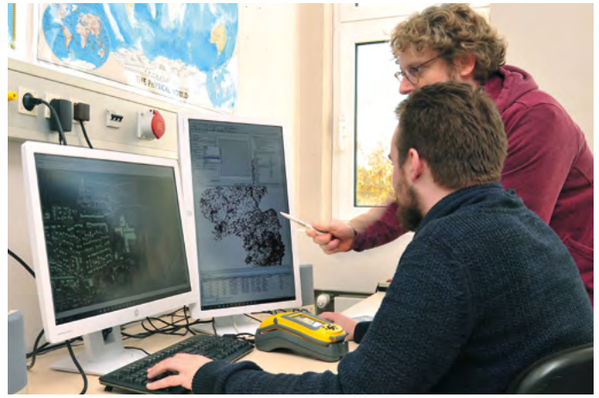
Requirements

Expecting an affinity for environmental protection and sustainability, the degree program is aimed at bachelor graduates from Germany and abroad who have completed a degree in engineering or natural sciences or even in the fields of business or law. In addition, students should be willing to acquire extra fundamentals on their own and get involved in topics not related to their field of study.

- A bachelor's degree with 180 ECTS credits and sufficient practical experience or 210 ECTS credits.
- Interest in environmental protection and sustainability.
- Knowledge in three out of five of the following subjects with at least 8 ECTS credits each:
  - Mathematics
  - Physics and/or Engineering Mechanics
  - Chemistry
  - Biology and/or Ecology
  - Economics

Career prospects

- Administrative, supervisory and consulting activities at environmental protection agencies
- Scientific work at research institutes
- Project engineer at consulting and supervisory companies and meter-reading service providers
- Self-employment as an environmental protection engineer or specialized planner
- Environmental and quality management in the industries and trade sectors
- Further development and evaluation of processes for environmentally compatible production
- Development and implementation of environmental measures, renaturalising of water bodies, nature conservation and landscape planning



Compulsory subjects
Project on academic and scientific principles and methods
Master's thesis

Electives	
Academic English	International Sales
Air Resources	International Water and Waste Management
CLIM, Climate Change and Environmental Impacts	Conflicts and Synergies in Climate Management and Environmental Protection
Climate Risk Assessment – Online Module	LCA – Case Studies
Emission and Immission Lab – Air & Noise	LCA – Online Module
Energy Utilisation of Renewable Resources	Material Flow Management
Environmental Controlling	Mediterranean and Marine Ecology I+II
Environmental Impact of Plastics	Professional English
Environmental Noise Control	Renewable Energies
European Environmental Law and Politics	Renewable Materials, Lecture and Lab
Fuel Cells and Hydrogen Economy	Restoration Ecology
GIS – Online Module	Sustainable Agriculture
Green Business	Sustainable Business Administration and Simulation

Applicants with a degree with 180 ECTS credits and relevant professional work or internships in a related field which equal a combined total of more than 6 months of full-time work can apply to have an additional 30 ECTS recognized.