APPLICATION

Green Engineering and Sustainable Management

ADMISSION REQUIREMENTS

- University Entrance Qualifications (A prerequisite for application is the general high-school graduation certificate (Abitur) or comparable qualification for admission to higher education)
- Personal statement (letter of motivation for studying)
- Required language skills for non-native speakers: English B2

APPLICATION PERIOD

- National applicants: until July 15th
- EU and Non-EU applicants:

Applications are also possible after the deadlines for course with free capacities. Please contact us for more information.

NUMBERS AND FACTS

144 PROFESSORS

406 INTERNATIONAL STUDENTS

3.000 STUDENTS

155 INTERNATIONAL PARTNER UNIVERSITIES

62 COURSES OF STUDY

WHZ

DEGREES
BACHELOR
GERMAN DIPLOM
MASTER

FIELDS OF STUDY
TECHNOLOGY
ECONOMICS
HEALTHCARE
LANGUAGES
APPLIED ARTS

WESTSÄCHSISCHE HOCHSCHULE ZWICKAU
Kornmarkt 1, 08056 Zwickau
www.whz.de

Information on studying and applying
National applicants:
Dezernat Studienangelegenheiten/Studienberatung
+49 375 536-1184; studieren@fh-zwickau.de

EU and Non-EU applicants:
International Office
+49 375 536-1061; study@fh-zwickau.de

Information about the course
study@fh-zwickau.de
www.whz.de/gesm

Die Westsächsische Hochschule Zwickau wird mitfinanziert durch Steuermittel auf der Grundlage des vom Sächsischen Landtag beschlossenen Haushaltes.
Änderungen aller Angaben im Sinne der weiteren Ausgestaltung des Studienangebots sind vorbehalten.
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WHZ, K&M, 12/2023

WHZ Westsächsische Hochschule Zwickau
Hochschule für Mobilität

FULL-TIME PROGRAMME

Green Engineering and Sustainable Management

Bachelor of Engineering (B.Eng.)

WHZ.DE

Green Engineering and Sustainable Management

Degree: Bachelor of Engineering (B.Eng.)

Semester start: winter semester

Type of programme: full-time programme

No. of semesters/Credits: 7 semester / 210 ECTS

Admission restriction: no restricted entry

Tuition fees: no tuition fees / only administrative fee

OVERVIEW

Are you planning to change the world and looking for a degree programme that will provide you with the knowledge on how to do it? Study our fully English-taught Bachelor degree programme in 'Green Engineering and Sustainable Management' which is designed to prepare you to become a highly skilled expert in developing green process technologies as well as being an effective decision maker in sustainable businesses. Strong links with national and international companies will help you to successfully undertake your industrial placement which is an integrated part of this degree programme. We provide an international study environment in small classes with highly supportive academics who enable you to build profound knowledge in chemical engineering and sustainable management subjects. Your goal to develop your full academic potential is our motivation to provide you with a suit of subjects ranging from green energies and physics to digitalisation and business leadership. ⋙

⋙ During our programme, you will be involved in research and industry projects which open up outstanding career prospects for employment in Germany and for further studies. Our International Office team offers advice on applications, accommodation and language courses. Be part of the community of students and staff thriving for the successful transformation from a carbon-based society to a green and sustainable resource-oriented global community. Start your journey with us in the heart of Saxony.

CAREER PROSPECTS

Are you looking for a career that impacts everyday lives? Then study this exciting degree programme with job opportunities in the renewable energy, environmental engineering, material science, food engineering and biochemical engineering industries. We will also spark your interest in business-related subject areas which will benefit you on your professional journey becoming business leaders and decision makers in national and international enterprises. Be part of the solution and study at the Applied University in Zwickau!

STUDY SCHEDULE / STRUCTURE OF DEGREE

BASIC STUDIES

1. Semester	2. Semester	3. Semester	4. Semester
Mathematics I	Engineering of Electrical Systems	Technical Drawings/CAD (Konstruktionslehre/CAD)	Fundamentals of Material Science
Physics for Engineers I	Mathematics II	Physical chemistry	Measurement acquisition and data processing
Chemistry for Engineers	Chemistry for Engineers	Water and air purification processes	Renewable Energies and Energy Storage Technologies
Introduction to green engineering	Physics for Engineers II	Operations Management	Microstructure and surface analysis
Fachdeutsch im Studium	Sustainable process engineering and circular economy	Project Management Essentials with Case Scenarios	Information Technologies
Management Principles			Supply Chain Management

SPECIALIST STUDIES

5. Semester	6. Semester	7. Semester
Engineering Acoustics and Noise Control	Erneuerbare u. dezentrale Energiesysteme	Work placement
Systemic Innovation and Ecology	Fluid Mechanics (Fluid Mechanics)	Bachelor thesis
Instrumental analysis	Microelectromechanical systems (MEMS)	***Elective modules (selection):**
Elective modules*	Methods of Scientific Work / Presentation Skills	Engineering Professional Skills; Thesis coaching and Scientific Work; Public engagement for the university and the faculty; Global Project and Science Communication in English; Electrochemistry; Working and Studying Worldwide;
	Strategic Management	
	Elective modules*	

Please note that the study schedule shown above is a simplified representation. You can find the detailed schedule, the module list as well as study and examination regulations in the Modulux database of the University of Applied Sciences Zwickau.