

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 August 31st
- EU applicants: until July 31st
- Non-EU applicants: until April 30th

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



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 Westsächsische Hochschule Zwickau
Hochschule für Mobilität

FULL-TIME PROGRAMME

Green Engineering and Sustainable Management

Bachelor of Engineering (B.Eng.)



Green Engineering and Sustainable Management

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. >>>



Degree: Bachelor of Engineering (B.Eng.)

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

Semester start: winter semester

Admission restriction: no restricted entry

Type of programme: full-time programme

Tuition fees: no tuition fees / only administrative fee

>>> 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 food engineering, biochemical engineering, material sciences and renewable energy 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

Mathematics I
Physics for Engineers I
Chemistry for Engineers
Introduction to green engineering
Business Administration
German for study purposes

2. Semester

Engineering of Electrical Systems
Mathematics II
Chemistry for Engineers
Physics for Engineers II
Physical Chemistry
Strategic Management

3. Semester

Physical Chemistry
Chemical Processes and Technologies
Ecology
Instrumental analysis
Project Management Essentials with Case Scenarios
Marketing Principles

SPECIALIST STUDIES

4. Semester

Circular Economy and Resource Management
Regenerative energy generation
Fundamentals of Material Science
Measurement acquisition and data processing
Global Business Environment
Supply Chain Management

5. Semester

Energy - Sustainable strategies
Water and air pollution and protection
Data acquisition and analysis in industrial processes
Operations Management
Elective modules*

6. Semester

Renewable Energy and Distributed Generation
Process Plant Design & Material Handling
Radioactivity and radiation protection
Information Technologies
Elective modules*

7. Semester

Industrial placement
Bachelor thesis

*Elective modules (selection):

Methods of Scientific Work / Presentation Skills; Engineering Professional Skills; Global Project and Science Communication in English; World Trade 1: Globalization; Electrochemistry; Microstructure and surface analysis; Managing Intercultural Collaboration;



← 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.