



### STUDENT SERVICE CENTRE

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### ADDRESS

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Germany



HSN 04/23

## STUDENT LIFE IN NORDHAUSEN

- ✓ A modern university and green campus
- ✓ Education at a high level
- ✓ Individual contact between students and instructors
- ✓ Teaching, learning and coaching occur in small groups
- ✓ Future-oriented and practical studies



### Degree

Internationally recognized academic degree of Master of Engineering (M.Eng.) upon successful completion of the programme.



### Entrance Requirements

- Completed Bachelor's degree in Environmental Sciences, Chemical Engineering, Waste Management, Mechanical Engineering, Physics or related fields
- Overall grade point average(GPA) of 2.5 according to German grading system or better
- English proficiency (TOEFL iBT 79, IELTS 6.0 or Bachelor's Medium of Instruction was English)
- APS certificate (mandatory for students from China and Vietnam, India)



### Start of Lectures

- Winter Semester (Bachelor's degree = 180 ECTS\* credits)
  - Summer Semester (Bachelor's degree = 210 ECTS\* credits)
- \*European Credit Transfer System



### Application Period

1st December to 30th March each year (for both Winter and Summer Semester)



The town of Nordhausen with its approximately 40,000 inhabitants is located in Northern Thuringia in the centre of Germany. Cities like Berlin or Leipzig, Erfurt or Göttingen are within easy reach. Besides being economically important for the region, Nordhausen offers a wide range of leisure facilities. Close to the Harz mountains, Nordhausen is very popular for outdoor activities. e.g. hiking and mountain biking. The costs of living in Nordhausen are moderate. Accommodation in dorms as well as private lodgings is available at low rates.



## ENVIRONMENTAL AND RECYCLING TECHNOLOGY

### International Master Degree Programme

NO TUITION FEES

MEDIUM OF INSTRUCTION ENGLISH





## THE DEGREE PROGRAMME

### “Environmental and Recycling Technology“

Are you interested in preserving our environment and extracting new raw materials from waste? Then start the Master degree in Environmental and Recycling Technology at the University of Applied Sciences Nordhausen.

Topics covered:

- global demand for raw materials
- technological possibilities for producing raw materials
- technologies for wastewater and polluted air
- global benefits from environmental and recycling technologies

Two specialisations (Environmental Technology and Recycling Technology) are taught in the form of lectures, seminars, exercises, practical laboratory trainings with excursions to sites, manufacturers and companies. In project work prominent current issues will be discussed. The final semester is reserved for your Master thesis.



## MASTER PROGRAMME AT A GLANCE

### Conditions of access for the Master degree programme

University degree or above-average bachelor degree, which corresponds to 210 Credits according to the European Credit Transfer System (ECTS). Generally, this corresponds to international Bachelor study courses lasting more than 8 semesters.

Graduates of international Bachelor degree programs lasting 6 to 8 Semesters (corresponding to 180 Credits) need to attend a qualification semester at Hochschule Nordhausen with 30 Credits right before the 1st semester starts. The qualification semester always starts in October of each year. The 1st semester always starts in April.

### Semester - Overview of the modules

QUALIFICATION	1 <sup>st</sup>	2 <sup>nd</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
<b>M 870</b> Basics in Electrical Engineering	<b>M 568</b> Project Management	<b>M 864</b> Bioengineering	<b>M 739</b> Urban Mining/ Circular Economy	<b>M 941</b> Master Thesis and Master Colloquium (Presentation and Defense)
<b>M 871</b> Basics in Thermal Engineering	<b>M 731</b> Proseminar (Softskills)	<b>M 735</b> Environmental Pollutants and Chemistry Aspects	<b>M 740</b> Recycling Technologies of Anthropogenic Material Flow	
<b>M 747</b> Introduction in Environmental and Recycling Technology	<b>M 732</b> Life Cycle Assessment	<b>M 736</b> Wastewater Engineering	<b>M 742</b> Preparation of Energy Raw Materials from Waste	
<b>M 873</b> Scientific Practice	<b>M 733</b> Environmental and Sustainability Management	<b>M 737</b> Plant Planning for Environmental Technology	<b>M 743</b> Plant Planning for Recycling Technology	
<b>M 907</b> Cultural Studies and Scientific Writing	<b>M 734</b> Environmental Law	<b>M 738</b> Renewable Raw Material	<b>M 744</b> Future Technologies of Recycling Practice	
<b>M 911/M 912</b> German as a foreign language/ Technical English	<b>M 913/M 914</b> German as a foreign language/ Technical English	Elective Course	Elective Course	
<b>30 Credits</b>	<b>30 Credits</b>	<b>30 Credits</b>	<b>30 Credits</b>	

- Qualification semester (mandatory for Bachelor graduates with 180 ECTS Bachelor)
- 2nd semester – lectures and courses for specialisation in environmental technology
- 2nd semester – lectures and courses for specialisation in recycling technology

## WHY SHOULD YOU STUDY ENVIRONMENTAL AND RECYCLING TECHNOLOGY?

Raw materials are the backbone of economic growth and social well-being. In order to deal with today's challenges like depleting fossil resources or environmental damages and climate change we try to secure a reliable, sustainable and affordable supply of raw materials.



## PROFESSIONAL PERSPECTIVES

Markets for raw materials from waste will expand rapidly due to the evergrowing demand of raw materials. Highly-qualified engineers like our Master graduates are sought after worldwide in research and development, construction and management of environmental and recycling technology systems.

Subsistent contacts to companies and research institutes ensure practical orientation and knowledge at the cutting edge.

The Master degree in Environmental and Recycling Technology qualifies to pursue a PhD.