

# Sustainable Management of Resources

## Bachelor's Degree Program

### Interested In The Environment And Natural Science?

Technical-scientific subjects such as physics or chemistry and environmental topics are close to your heart. You want to develop solutions for improved product sustainability. You accept change as a challenge. You like conceptual work and you are open for innovative approaches.

### Lateral Thinking Allowed!

Climate change, scarcity of resources, waste prevention and increasingly strict environmental laws: companies need sustainably designed products and processes. Lateral thinking in order to change existing business models is therefore important. You will learn how to use resources carefully, prevent waste and use it productively as recyclable materials. The content includes technology, natural sciences, resource management, economics and environmental law.

### Diverse Field Of Application: Sustainability Always In View

You are an expert in waste management and disposal concepts, life cycle analyses and sustainability reports. Resource management, waste disposal and product development and product management are your fields of activity. You are qualified for production, for purchasing, sales and logistics.

## Overview



6 Semesters  
180 ECTS



Bachelor of Science  
in Engineering (BSc)



Organizational form  
Part-time



23  
Study places



Main Campus  
Favoritenstraße 222  
1100 Vienna



Language of instruction  
German



Tuition fee/semester  
€ 363.36<sup>1</sup> + ÖH premium + contribution  
<sup>1</sup> maximum € 727 for third-country students

Head of Degree Program: Dr. Silvia Apprich



## Curriculum

	LECTURE	SCH	ECTS
1 <sup>st</sup> SEMESTER   30 ECTS	Accounting and Controlling IC	2	4
	Business Management - Basics IC	2	4
	Environmental Legislation IC	2	4
	Introduction to Resource Management IC	2	4
	Legal Basics IC	1,5	3
	Methods of Resource Management IC	1,5	3
	Physics and Mathematics in Resource Management IC	4	8
2 <sup>nd</sup> SEMESTER   30 ECTS	Business Ethics and CSR IC	1,5	3
	Chemistry in Resource Management IC	2,5	5
	Environmental Biology and Hygiene IC	2	4
	International Product Compliance IC	1,5	3
	Introduction to Corporate IT IC	1	2
	Organization of Production and Labor SE	1	2
	Sustainable Management of Resources IC	2,5	5
Waste Legislation IC	3	6	
3 <sup>rd</sup> SEMESTER   30 ECTS	Advances Quality Management IC	1	2
	Ecodesign IC	1,5	3
	Exercises - Life Cycle Assessment EX	2,5	5
	Life Cycle Assessment IC	2,5	5
	Materials in Resource Management IC	2	4
	Process Technology IC	2,5	5
	Product Development IC	1,5	3
	Quality Management IC	1,5	3

	LECTURE	SCH	ECTS
4 <sup>th</sup> SEMESTER   30 ECTS	Environmental and Resource Economics IC	2	4
	Environmental Management Systems IC	1,5	3
	Introduction to Waste Management IC	2,5	5
	Material Flow Management - Processoptimization IC	3	6
	Material Flow Management (Bachelor Thesis) SE	2	4
	Resource Management for Production and Retailing IC	1	2
Waste Management and Recycling Technologies IC	3	6	
5 <sup>th</sup> SEM   30 ECTS	Bachelor Thesis 2 SE	2	10
	Reflections on Practical Experience SE	1	1
	Vocational Internship PR		19
6 <sup>th</sup> SEMESTER   30 ECTS	Industry Specialization 1 IC	2,5	5
	Industry Specialization 2 IC	2,5	5
	Logistics IC	1,5	3
	Marketing and Product Management IC	1,5	3
	Operational and Commercial Excellence IC	1,5	3
	Processmanagement IC	2,5	5
	Purchasing and Supply-Chain-Management IC	2	4
Rhetoric and Negotiation Technique IC	1	2	

### Abbreviations

ECTS ECTS Credits

EX Exercise

IC Integrated Course

PR Practical

SCH Semester Credit Hours

SE Seminar

**More information:** [www.fh-campuswien.ac.at/nrm-b-en](http://www.fh-campuswien.ac.at/nrm-b-en)

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