

You always make an effort to separate your trash, use public transport or take your bike. You use water and other resources sparingly, but is that enough? Do you ever ask yourself where all these things around us come from and whether we really need them?

Is the environment near to your heart and do you want to help protect and preserve it?

With indepth knowledge of technology and management, you will learn about responsible production and consumption, so you can make the world a better place.

Montanuniversität Leoben

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Online pre-registration
for admission



Technical University
of Leoben

Move Mountains

CIRCULAR ENGINEERING: PROCESSES

Responsible Consumption & Production

UNDERGRADUATE AND GRADUATE STUDIES

Responsible Consumption & Production

Curriculum Bachelor's Programmes

8 Semester (240 ECTS)

The Bachelor's degree programme Responsible Consumption and Production is taught in English. In addition, the partner universities offer courses in their national languages.

All courses and examinations in your first academic year will be taken at Montanuniversität Leoben. Courses and exams from the third to the sixth semester can be taken either at Montanuniversität Leoben or at one of the partner universities.

Starting in the third semester, the Bachelor's programme provides in-depth knowledge that qualifies you for entry into professional practice. Prerequisites for graduation with a Bachelor of Science (BSc) are a mandatory internship in the in a related industry sector and the completion of a Bachelor's thesis.

Introductory Mode	Fundamentals of Engineering
<ul style="list-style-type: none">- Transferable Skills- Introduction to STEM	<ul style="list-style-type: none">- Chemistry- Mathematics- Physics- Engineering Mechanics
Digital Competences & Statistics Fundamentals	Introduction to Study Programme
<ul style="list-style-type: none">- Introduction to Data Modeling- Algorithms and Programming- Statistics	<ul style="list-style-type: none">- Bacc Fundamentals- Do-it Lab Circular Economy- Do-it Lab Circular Engineering- Elective Bacc Fundamentals
Compulsory Courses, Semester 3 to 7	
<ul style="list-style-type: none">- Modul 1: Engineering Disciplines- Modul 2: Sustainable Development- Modul 3: Primary Raw Materials- Modul 4: Secondary Raw Materials and Recycling- Modul 5: Process Engineering- Modul 6: Materials- Do-it Lab 1/2/3	<ul style="list-style-type: none">- Responsible Consumption- Free Electives- Seminar Bachelor Thesis

A list with detailed study plans for all degree programmes at Montanuniversität Leoben can be found at unileoben.ac.at.

Bachelor's Programmes

We are training future-oriented generalists: During your studies, you will acquire detailed knowledge and through skills in the fields of production and consumption.

We begin by teaching fundamental engineering knowledge and develop business management skills related to sustainable development. Building on this knowledge basis, you can spend one or more semesters at one of eight European partner universities.

During your internship you will distinguish yourself as an engineer with a holistic perspective on responsible consumption and production as well as gaining excellent English language skills.

Master's Programmes

Deepen your knowledge of global developments and pressing challenges with our Master's programme in Responsible Consumption and Production – the first programme of its kind in Europe! The four core pillars of this Master's programme offer you a unique perspective and make you a sought-after expert in industry and the public sector.

- Deepen your knowledge of the scientific and engineering principles of the circular economy and material flow systems on the production side, including advanced concepts, approaches to sustainability and assessment methods, and their applications.
- Delve into the world of social behaviour on the consumer side, including the psychological, social and economic aspects of buying and consuming, corporate and consumer ethics and social responsibility.
- Specialise in one of four areas: materials science, primary raw materials science, primary raw materials and recycling or processing technology.
- Consolidate your other skills and your personal abilities: critical thinking, creativity and innovation, intercultural competence, team leadership and excellent English language skills.

As a graduate with knowledge of planetary boundaries and the principles of the circular economy, you will make an important contribution to the Green Transition.

Fields of Work

You can choose from a wide range of career opportunities and work as a forward-thinking consultant with interdisciplinary knowledge in technology and natural sciences for companies in all sectors of the economy, such as mining, economics, service companies, NGOs and politics. You are technically and commercially savvy and have a broad European network. Together with your colleagues, you will contribute to improving the world, one step at a time.