

Move mountains

With your studies in
New Science and Technology:
Responsible Consumption and
Production

▶▶ Progress is
only progress
if it's headed
in the right
direction.

Stella Sophie Ertl
Student
New Science and
Technology



Technical University of Leoben

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Online pre-registration
for admission:



Technical University
of Leoben

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FIELD OF STUDY: PROCESSES

**New Science and
Technology:
Responsible Consumption and
Production**

BACHELOR'S & MASTER'S PROGRAMMES

New Science and Technology:

Responsible Consumption and Production



▶▶ A sustainable world is not a limitation. It is the greatest design challenge of our generation. And we accept it.

Univ.-Prof. Dipl.-Ing. Dr.techn. Thomas Prohaska
Head of the Department of General and Analytical Chemistry,
Vice-Rector for Teaching and International Affairs

Do you want to create effective and responsible innovations?

The European University on Responsible Consumption and Production (EURECA-PRO) has developed this interdisciplinary, pan-European study programme, which offers the opportunity to acquire specialisations abroad. Completing your specialisation will strengthen your technical and management skills, as well as enhance your ability to work in teams to develop sustainable solutions. Your studies combine engineering, innovation, consumer behaviour and business knowledge, preparing you for developing sustainable products and production processes — from raw materials to recycling — with a strong focus on minimising resources and environmental impact. This programme guides you towards careers in engineering, research, sustainability, and product development, among others.

Start your studies now at: unileoben.ac.at/en/studying/bachelors-programmes/processes/responsible-consumption-and-production-eureca-pro-en/



Semester 1 and 2 – First Joint Year of Study (60 ECTS)		
Introductory Module	Fundamentals of Engineering	
<ul style="list-style-type: none"> Transferable Skills Introduction to STEM (science, technology, engineering, mathematics) 	<ul style="list-style-type: none"> Chemistry Mathematics Physics Engineering Mechanics 	
Digital Competences and 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 	
Semester 3, 4 and 6 (90 ECTS)		
<ul style="list-style-type: none"> Engineering Disciplines Management Principles Sustainable Development Process Engineering Materials Primary and Secondary Raw Materials 	<ul style="list-style-type: none"> Do-it Lab Basics of Setting up a Business Free Electives Seminar Bachelor Thesis 	
Semester 5 (30 ECTS) Pick and Choose your Specialisation Semester Abroad		
Responsible Consumption Universidad de León; Spain	Management & Production Engineering Silesian University of Technology; Poland	or further upcoming specialisation opportunities at EURECA-PRO partner universities
Semester 7 (30 ECTS)		
Internship either in Austria or Abroad		

BACHELOR'S PROGRAMME

How is our consumption changing the world? And how can we achieve responsible production?

The Bachelor's programme in **New Science and Technology** combines management and technology, covering the fundamentals of engineering, natural sciences, business administration, energy and materials science. You are able to not only participate in international summer schools, but also spend one semester studying at one of our eight EURECA-PRO partner universities. While there, you will develop a holistic perspective on sustainable development and gain insight into consumer behaviour as a driver of technological and social change. In this way, you will learn to actively shape responsibility in the areas of production and consumption.

MASTER'S PROGRAMME

Ready to deepen your knowledge?

The European University has developed a joint master programme specialising in three areas:

- Resource Supply
- Materials
- European Business Strategy & Management

These specialisations, which are part of the master curriculum New Science and Technology, provide research-focused training in collaboration with esteemed EURECA-PRO partner universities.

Detailed study plans for the degree programmes at the Technical University of Leoben can be found at: unileoben.ac.at/studium/