



EURECA-PRO

Joint Master's Degree in Responsible Consumption and Production



CORE CHARACTERISTICS

The **Joint Master's Degree in Responsible Production and Consumption** is offered by the **Montanuniversität Leoben, the TU Bergakademie Freiberg and the Universidad de León**. It addresses three requirements of the future workforce: **multidisciplinary, intercultural competence and fluency in English**.

The opportunity to study at three different institutions provides **insights into different cultures and perspectives on sustainability, responsibility in natural resource engineering and management**, with a focus on **reclamation and life cycle assessment**. Furthermore, the use of English as the language of communication will enhance the students' ability to enter the global job market.

This study programme is aimed at students with an interest in **Sustainable Development Goal 12, Green Deal** and in the **management of responsible consumption and production**, who will acquire **technical skills and approaches** with an **environmental, social and managerial perspective** during the four semesters. In addition, students will learn how to **implement sustainable solutions that effectively address the environmental challenges** facing society.

STUDY PROGRAMME

This four-semester, **120 ECTS study programme** is based on **three core pillars**, distributed across three universities, which provide students with unique **technical, managerial and social skills**. These are:



Sustainable Development
(Montanuniversität Leoben)
30 ECTS



**Rehabilitation &
Environmental related topics**
(TU Bergakademie Freiberg)
30 ECTS



Responsible Consumption
(Universidad de León)
30 ECTS



Master Thesis
(Write your master's thesis
at your chosen university)
30 ECTS

STUDY PROGRAMME



Sustainable Development (Montanuniversität Leoben) 30 ECTS

This module deepens students' understanding of the significance of natural resources as an economic concept, as a scarce value to society, and therefore the need to use them efficiently. With sustainable business management at the core of this module, students will learn to identify sustainability challenges, develop sustainability strategies, conduct sustainability assessments and reports. Accordingly, students will effectively initiate, plan and manage projects in both the production and consumption sectors, considering the energy transition, the production and distribution of renewable and non-renewable resources, and industrial pollution.

Structure of the first semester - Sustainable Development:

Course	ECTS	Type of course
Decision-Making and Risk Analysis	4	Compulsory
Project Management	3	Compulsory
Macroeconomics, Fiscal and Monetary Policy	3	Compulsory
Human Resource Management	3	Compulsory
Sustainability Management	4,5	Compulsory
Resource Economics	3	Compulsory
Sustainable Development: History of thought, basic concepts and current applications	6	Compulsory
Sustainability – Case Study	0,5	Compulsory
Free Elective	3	Free Elective

STUDY PROGRAMME



Rehabilitation & Environmental related topics (TU Bergakademie Freiberg) 30 ECTS

This module provides students with an in-depth knowledge of the theoretical background required for a detailed understanding of all the ecological aspects associated with the legacy of abandoned mining sites and active mining operations. In particular, students will gain an understanding of the impact of mine water on groundwater and soils, leading to planning tools for mitigation and rehabilitation using appropriate techniques and technologies. In addition, students will have the opportunity to expand their research network and participate in case studies and activities organized by the European University on Responsible Consumption and Production (EURECA-PRO).

Structure of the second semester - Rehabilitation & Environmental related topics

Course	ECTS	Type of course
Reclamation	6	Compulsory
Mine Water: Hydrogeology and Modelling	6	Compulsory
Engineering Geology	3	Compulsory
Radioactivity	6	Compulsory
Management and Finance of Mining Operations along the Life Cycle	6	Elective
Project and Contract Management	6	Elective
Licensing, Stakeholder Involvement and Expectation Management	6	Elective
Mine Water: Chemistry and Treatment	6	Elective
Geoscience Information Systems and Geomonitoring	6	Elective
Lecture Series on SDG 12	5	Elective
Summer School RCP	3	Elective
Foreign Language	4	Elective
Free Elective	3	Free Elective

STUDY PROGRAMME



Responsible Consumption

(Universidad de León)

30 ECTS

This module deepens students' understanding of advanced concepts and approaches related to sustainability and sustainable development (circular economy, green economy, etc.). Specifically, they will be able to apply economic methods of sustainable business management, risk assessment and risk management, and gain a comprehensive understanding of consumer behavior from different perspectives, including psychological, social and economic aspects, in different contexts and social systems. Students will also learn how to develop strategies that promote responsible consumption, while acquiring the skills to design and implement innovative business models that are consistent with sustainability principles. Accordingly, students will improve their abilities with the use of digital tools, including artificial intelligence, in all stages of promoting, managing and evaluating responsible production and consumption, but especially in the use of e-commerce.

Structure of the third semester - Responsible Consumption:

Course	ECTS	Type of course
International Responsible Consumption and Statistics	6	Compulsory
Consumer profiles: lifestyles and psychosocial processes	6	Compulsory
Consumer law and consumer protection	6	Compulsory
Artificial intelligence applied to e-commerce	6	Compulsory
Sustainable oriented innovation and social entrepreneurship	6	Compulsory



GRADUATE PROFILE

PUTTING OUR VISION
INTO REALITY

- Benefit from a holistic and multidisciplinary approach, while gaining a broad understanding of technical and managerial issues, enabling the integration of a sustainability approach into practice
- Gain expertise in designing or advising on:
 - the development of public policies
 - initiatives aimed at reducing environmental impacts
 - achieving SDG 12 targets and the objectives of the European Green Deal
- Discover job opportunities in
 - International companies and
 - Organisations committed to sustainability
- Be equipped to work nationally or internationally in:
 - private companies
 - public institutions
 - a variety of sectors, including mining companies, mining and rehabilitation OEMs, geo-engineering companies
 - industry and
 - and service sectors
- A European International Master's degree in this field will provide you with
 - a specialised and internationally recognised education
 - a competitive edge in the job market

CAREER OPPORTUNITIES





APPLICATION PROCESS

- Deadline for applications (2023/24): **05.09.2023 23:59**
- Applications are reviewed by an international committee of experts from each of the participating universities.
- Please submit the following documents to jointstudies@eurecapro.eu in due time
 - An application for admission to the Joint Master's Programme in Responsible Consumption and Production
 - Certified copies of academic degrees and transcripts. If the academic degree was not obtained in one of the three partner institutions, it must be certified in accordance with the national legislation of the country in which the application is submitted.
 - Proof of English language proficiency in the form of a recognised language test (TOEFL with a minimum total score of 83 points (internet-based test); IELTS with a minimum total band score of 6.5).
 - A curriculum vitae
 - A letter of motivation
- Accepted students will be contacted by the host university for further instructions and details of tuition fee payment.
- Please note that applications from outside the EU may take longer to be considered due to the mandatory procedures.

REQUIREMENTS FOR APPLICANTS

BACHELOR'S DEGREE

FIELD OF STUDY:
ENGINEERING,
ENVIRONMENTAL
STUDIES OR
CLOSELY RELATED
FIELDS

ENGLISH LANGUAGE
PROFICIENCY
TOEFL: MIN. OF 83
POINTS IELTS: MIN. OF
6.5 OVERALL BAND
SCORE

ABOUT EURECA-PRO

The European University on Responsible Consumption and Production, in short EURECA-PRO, unites the universities of Chania (GR), Freiberg (DE), Gliwice (PL), Hasselt (BE), Leoben (AT), León (ES), Mittweida (DE), Lorraine (FR) and Petroșani (RO). They are a blend of nine technical and comprehensive, research-led universities from eight different countries around Europe. They share a long-standing cooperation history amongst one another and together make-up a profile that covers a wide array of interdisciplinary subjects.



CONTACT INFORMATION



jointstudies@eurecapro.eu



<https://www.eurecapro.eu/joint-master-in-responsible-consumption-and-production/>



#eurecapro



TUBAF
The University of Resources.
Since 1765.



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