MONTAN UNIVERSITÄT ■ LEOBEN ■

INTERNATIONAL MASTER OF SCIENCE IN

MINING ENGINEERING

AS A SPECIAL STUDY TRACK INSIDE THE MSC PROGRAM MINING&TUNNELLING

Mineral resources are the foundation of modern society, powering industries, infrastructure, and the transition to a sustainable future. The Master's Programme in Mining Engineering at Montanuniversität Leoben equips students with cutting-edge technical knowledge and problem-solving skills for responsible and efficient raw material extraction.

Taught entirely in English, the programme provides hands-on experience in both open-pit and underground mining, focusing on mine planning, rock mechanics, automation, ventilation, and environmental sustainability. Students gain expertise in resource efficiency, safety management, and the latest digital technologies shaping the mining sector.

With opportunities for international mobility, industry collaboration, and access to world-class research facilities—including at the Erzberg Mine—graduates are prepared for careers in global mining companies, consulting firms, and public authorities.

Join us and become a leader in the future of mining!

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MASTER'S PROGRAMME

Mining Engineering

Program Structure	
1st Semester	
Underground Mining	4 ECTS
Mine Operation, Scheduling and Costing	4 ECTS
Open Pit Mining	1 ECTS
Economic Geology and Mining Economics	6 ECTS
Mineral Economics	3 ECTS
Deposit Modelling and associated Software	2 ECTS
Continuous Mining Methods and Conveying Technologies in Surface and Underground Mining	3 ECTS
Sustainable Development: History of thought, basic concepts and current applications	6 ECTS
2nd Semester	
Rock Mechanics 1	5 ECTS
Monitoring Techniques, Data Handling and Analysis in Mining	3 ECTS
Planning of a Mineral Resources Project	3 ECTS
Environmental Engineering in Mining, Mine Rehabilitation and Post Mining Operation	6 ECTS
3rd Semester	
Rock Mechanics 2	6 ECTS
Mine Ventilation, Water Control, Infrastructure	4 ECTS
Feasibility Study	3 ECTS
Mine Operation, Scheduling, Costing	3 ECTS
Excursion	2 ECTS
4th Semester	
Master Thesis Module	30 ECTS

For programme details and registration follow the link.