



Montanuniversität
Leoben

INTERNATIONAL MASTER OF SCIENCE IN

Mining Engineering

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

Do you want to lead the future of mining?

Mineral resources are essential to modern society, powering industries, infrastructure, and the transition to a sustainable future. That's why the master's programme Mining Engineering teaches cutting-edge technical knowledge and problem-solving skills for responsible & efficient raw material extraction.

The programme provides hands-on experience in open-pit as well as underground mining, focusing on mine planning, rock mechanics, automation, ventilation, and environmental sustainability. Teaching expertise in resource efficiency, safety management, and pioneering digital technologies.

International mobility, industry collaboration, and world-class research facilities, such as the Erzberg Mine, prepare you for a global career in mining & consulting firms and public authorities – to lead the future of mining.

Move mountains

unileoben.ac.at

MASTER'S PROGRAMME

Mining Engineering

PROGRAMME STRUCTURE | 120 ECTS

1st Semester (28 ECTS)

Underground Mining	4 ECTS
Open Pit Mining	4 ECTS
Economic Geology	6 ECTS
Mineral Economics	3 ECTS
Deposit Modelling and associated Software	2 ECTS
Continuous Mining Methods and Conveying Technologies	3 ECTS
Sustainability and Raw Materials	6 ECTS

2nd Semester (17 ECTS)

Rock Mechanics 1	5 ECTS
Monitoring Techniques, Data Handling and Analysis	3 ECTS
Planning of a Mineral Resources Project	3 ECTS
Environmental Engineering in Mining and Post Mining	6 ECTS

3rd Semester (45 ECTS)

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
Work Practise	5 ECTS
Elective courses	22 ECTS

4th Semester (30 ECTS)

Master Thesis	30 ECTS
---------------	---------

For programme details and registration follow the link.



04/2025