



Montanuniversität
Leoben

MASTER OF SCIENCE IN

Raw Materials Engineering

Do you want to unleash the potential of raw materials?

Whether it's skyscrapers, wind turbines, or smartphones – modern technologies and infrastructure rely on valuable raw materials. That's why the master's programme Mineral Processing trains you to sustainably extract these resources, use them efficiently, and recycle them effectively.

In your studies you can specialize in one of two key areas:

Processing and Refinement: Optimize raw material processing through crushing, sorting, purification and refining, ensuring resource-efficient utilization, or **Construction Materials** and

Ceramics: Investigate materials such as binders, refractory materials, ceramics, and glass, essential for construction, industry, and high-tech applications.

After completing your studies, your expertise will be in high demand in global industry, research institutions, and innovative start-ups. With your technological skills and pioneering spirit, there are certainly no limits for you to impact the world.

Move mountains

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MASTER'S PROGRAMME

Raw Materials Engineering

PROGRAMME STRUCTURE | 120 ECTS

Key Area: Mineral Processing and Refinement (90 ECTS)

Design of minerals processing plants	27,5 ECTS
Processing of primary and secondary raw materials	40,5 ECTS
Technological and economic fundamentals of Raw Materials Engineering (bound elective)	8 ECTS
Elective courses	9 ECTS
Work practise	5 ECTS

Key Area: Building Materials and Ceramics (90 ECTS)

Mineral Processing and Refinement	15,5 ECTS
Fundamentals of Building Materials and Ceramics	16 ECTS
Building Materials and Ceramics	35 ECTS
Technological and economic fundamentals of Raw Materials Engineering (bound elective)	9,5 ECTS
Elective courses	9 ECTS
Work practise	5 ECTS

4th Semester (30 ECTS)

Master Thesis	30 ECTS
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For programme details and
registration **follow the link.**

04/2025