



Montanuniversität
Leoben

INTERNATIONAL MASTER OF SCIENCE IN

Building Materials and Ceramics

Do you want to drive the future of sustainable materials?

The development of advanced materials and its sustainable construction are gaining importance. That's why the International Master of Science in Building Materials and Ceramics teaches you structure, properties, and production of ceramics, glass, refractories and mineral binders, as well as mineral processing and refinement.

Over four semesters you will study in China and Austria, earning a Master of Engineering from the Wuhan University of Science and Technology as well as a Master of Science from the Technical University of Leoben.

With its combination of intercultural skills and practical experience, this master degree programme prepares you for a global career in the building materials industry. Providing you with expertise to innovate materials that may change the world.

Move mountains

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MASTER'S PROGRAMME

Building Materials and Ceramics

PROGRAMME STRUCTURE | 120 ECTS

1st Semester (15,5 ECTS)

Project management	3 ECTS
Project study	4 ECTS
Material Testing and Characterization	2,5 ECTS
Seminar	1 ECTS
Electives*	9 ECTS
Practice*	5 ECTS

2nd Semester (22 ECTS)

Metallurgy	3 ECTS
Applied Mineralogy	2,5 ECTS
Building materials	2,5 ECTS
Continuous Refractory Wear	1,5 ECTS
Refractories in the Iron and Steel Industry	3 ECTS
Electives	9,5 ECTS

3rd Semester (37,5 ECTS)

Plant Design and Process Technology	2 ECTS
Computer Assisted Data Evaluation	2,5 ECTS
Building Materials and Ceramics 1	17 ECTS
Mineral Processing 1	7 ECTS

4th Semester (45 ECTS)

Building Materials and Ceramics 2	9 ECTS
Mineral Processing 2	6 ECTS
Master Thesis	30 ECTS



For programme details and
registration follow the link.

04/2025