Contact Information

For further information please visit:
https://tu-freiberg.de/studium/studienangebot/geomatics-master
Or send an E-Mail at:
geomatics@mabb.tu-freiberg.de

Project Coordination:

Prof. Dr.-Ing. Jörg Benndorf
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Institute of Mine Surveying and Geodesy
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09599 Freiberg
Germany

Requirements & How to apply

According to the study regulation of TU Bergakademie Freiberg (TUBAF) applicants need to submit the following documents until the 31.01.20xx (VISA is required)/31.08.20xx (no VISA is required) at TUBAF, International Centre, Akademiestr. 6, 09599 Freiberg:

- Completed application form „Application for Admission“
- Proof of a BSc-Degree in a related field (e.g. Geodesy or Geoinformatics)
- Current transcript of records
- Proof of English proficiency by means of a recognized language test e.g. Test of English as a Foreign Language (TOEFL) with a total score of at least 90 points (internet-based test) / each with minimum 22 listening, 20 reading, 20 speaking, 24 writing or 550 points (paper-based test)
- Proof of German language proficiency of level B1 or above after the Common European Framework of Reference for Languages
- 1 passport photo

All necessary application forms as well as further information (e.g., how to apply for VISA) can be found at:

https://tu-freiberg.de/en/international/application

Academic Calendar TU Bergakademie Freiberg:

Winter Semester: 01.10. – 31.03
Lecture Period: second week of October - beginning of February
Examination period: February/March

Summer Semester: 01.04. – 30.09.
Lecture period: beginning of April – beginning of July
Examination period: July to September

Geomatics for Mineral Resource Management
A European MSc-Program

Associated Project Partners

The project EC-Geo-Sustain receives funding from the European Institute of Innovation & Technology (EIT) under the Project Agreement No 17002. The EIT is a body of the European Union.

Co-funded by

[Images of logos for co-funded partners]
### Course Description

This MSc-Program is set to last a total of 4 semesters, with each semester including courses worth 30 ECTS credits (total). The program itself offers two different specialisations.

The first specialisation is called Geomatics for Mineral Resource Management and is offered by the TU Bergakademie Freiberg (Germany). This path focuses on the process of resource modelling and mine management. Students will be taught in a variety of subjects related to the field mining and mineral resources. This includes financial, environmental, political as well as the legal aspects of national and international mining projects.

The second specialisation is called Mine Surveying and is offered as a joint course between the TU Bergakademie Freiberg and the Montan Universität Leoben (Austria). This path focuses on the acquisition, processing and evaluation of surveying data and other (big) data during a mining process. Students will be educated in measurement techniques fitted for applications in a mining environment. In addition to that, a range of modern computational applications in mining will be taught such as machine vision and other relevant techniques.

### Course Structure

Students, who decide on the specialisation Geomatics for Mineral Resource Management, are, on default, set to study 4 semesters at the TU Bergakademie Freiberg (Germany) and are going to graduate with an MSc-Degree.

If desired, an arrangement with the Wrocław University of Science and Technology (Poland) or the Técnico Lisboa (Portugal) can be made*.

While the first two semesters will be held at the TU Bergakademie Freiberg, the courses for the third semester as well as the master thesis will be conducted in one of the partner universities. Choosing this option will be certified with two degrees (one from the TU Bergakademie Freiberg and one from the respective partner university).

*Exchange options with TU Delft exist every Winter Semester.