



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



Sustainable Mining and Remediation Management (MoRe)

TU Bergakademie Freiberg • Freiberg

Overview

Degree	Master of Science in Sustainable Mining and Remediation Management
Teaching language	<ul style="list-style-type: none">English
Languages	Courses are held in English.
Full-time / part-time	<ul style="list-style-type: none">full-time
Programme duration	3 semesters
Beginning	Winter and summer semester
Application deadline	<p>15 April for a start in the winter semester (recommended) 15 October for a start in the summer semester (Please note: Starting in the summer semester is possible, but it might lead to an extended study period.)</p> <p>Applicants from India can submit the APS (Academic Evaluation Centre) later and do not have to submit it at the time of application. The proof must be submitted with the enrolment at the latest.</p>
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	<p>The degree programme in Sustainable Mining and Remediation Management imparts knowledge and skills to the students for self-reliant scientific work in the fields of environmentally friendly mining, mining remediation, and the vitalisation of industries.</p> <p>The programme is based on the worldwide unique German know-how on mining remediation, especially for lignite, uranium and in general, ore mining. It was created as a concept of a unique, research-oriented study programme.</p> <p>The study programme combines natural, engineering and business sciences, environmental law, and general management of georesources, hence its unique theory and praxis. It contains basic courses in mining, remediation, and geoscience (lectures, seminars, and practical training). Examples for such modules are as follows:</p> <ul style="list-style-type: none">ReclamationRadioactivityGroundwater chemistry for Groundwater Management

- Hydrogeology for Groundwater Management
- Introduction to Biohydrometallurgy

Additionally, the following basic courses in management, economics and finance are offered:

- Management and Finance of Mining Operations along the Life Cycle
- Project and Contract Management
- Licensing, Stakeholder Involvement and Expectation Management

The subject-specific modules are offered in the first and second semesters. The third semester includes the Master's seminar and Master's thesis.

The compulsory core is supplemented with elective courses: German language, soil and rock mechanics, or practical training in mining companies. Furthermore, you have to choose 10 ECTS from free elective modules.

Course Details

Course organisation

In the first and second semester, the following compulsory modules belong to the programme:

- Management and Finance
- Project and Contract Management
- Groundwater Chemistry for Groundwater Management – Basics
- Hydrogeology for Groundwater Management - Basics
- Environmental Geotechnics
- Reclamation
- Radioactivity
- Licensing, Stakeholder Involvement, and Expectation Management

As already mentioned above, this is coupled with elective modules in relation to German language and practical training in companies.

Furthermore, you have to choose 10 ECTS from free-elective modules.

The third semester is dedicated to the Master's thesis.

A Diploma supplement will be issued

Yes

International elements

- International guest lecturers

Integrated internships

Internships are parts of the lectures. They also can be carried out on an individual basis.

Course-specific, integrated German language courses

Yes

Course-specific, integrated English language courses

Yes

Costs / Funding

Tuition fees per semester in

None

EUR

Semester contribution	94 EUR per semester
Costs of living	760 EUR to 885 EUR per month, depending on individual lifestyle; rent and utilities: 200 EUR to 320 EUR
Funding opportunities within the university	Yes
Description of the above-mentioned funding opportunities within the university	Deutschlandstipendium: <ol style="list-style-type: none">1. The "Deutschlandstipendium" is a national scholarship programme that supports above-average students with excellent grades. Social commitment, a willingness to take responsibility and special social, family or personal circumstances will also be taken into account (six months, 300 EUR per month).2. Grants awarded to exceptionally committed students (three to four months, 300 EUR per month)3. Study completion grant (three months, 300 EUR per month)

Requirements / Registration

Academic admission requirements	Bachelor's degree (at least seven semesters) in geoengineering, mining, geoscience, or a related field
Language requirements	Applicants must provide proof of sufficient English proficiency: TOEFL 90 (Internet-based), or International English Language Test System (IELTS) at least 6.5 or equivalent. This test can be waived if an applicant can demonstrate that his or her previous educational achievement was taught entirely in English.
Application deadline	15 April for a start in the winter semester (recommended) 15 October for a start in the summer semester (Please note: Starting in the summer semester is possible, but it might lead to an extended study period.) Applicants from India can submit the APS (Academic Evaluation Centre) later and do not have to submit it at the time of application . The proof must be submitted with the enrolment at the latest.
Submit application to	Application Portal of TU Bergakademie Freiberg

Services

Possibility of finding part-time employment	It is possible to find part-time employment on campus, e.g. as a student assistant or in the canteen.
Accommodation	Different kinds of accommodations are available on campus and in the city of Freiberg, from single flats to shared flats. Prices vary from 200 EUR to 320 EUR, including utilities. In the dormitory, each student has her/his own room, but usually the bathroom and the kitchen have to be shared with

other flatmates. Living in a dormitory is usually the first choice for new international students. There is a good chance that you will get a place in a dormitory if you apply early. The International Office supports international students in finding accommodation.
<https://blogs.hrz.tu-freiberg.de/iuz/accommodation/>

TU Bergakademie Freiberg

Technische Universität Bergakademie Freiberg (TU BAF) was founded in 1765. It is one of the world's oldest technical higher education institutions in the world, with an outstanding international reputation for its education and research based on the principle of constant innovation.

TU BAF is known for its famous alumni, such as the polymath Alexander von Humboldt, who studied in Freiberg, and for the discovery of two chemical elements: Germanium (C. Winkler, 1885) and Indium (F. Reich & Th. Richter, 1863).

TU BAF is the "University of Resources". With its four core themes – geosciences, materials, energy, and environment – TU BAF has a distinctive profile that addresses the specific issues of our modern industrial society. Teaching and research reflect a practical orientation in responding to the real needs of industry. Thanks to its financial backing, including funding from private sources, TU BAF is one of the top 10 best research-oriented universities in Germany. This guarantees a high level of education in the fields of natural sciences, engineering and economics.

Thanks to its excellent study conditions and intensive mentoring programmes, TU BAF achieves top positions in national rankings.

The university's underground teaching and research mine is open to visitors and serves as a natural laboratory. The mine allows for "hands-on" exploration of the subterranean world of Freiberg, with its extensive mining history dating back to the 14th century.

About 40% of the university's 4,000 students are international. As a small university, the campus offers numerous advantages. Short distances on campus and personal contact between students and professors are major benefits.

The university is divided into six faculties and has several research centres, such as the Interdisciplinary Environmental Research Centre (IÖZ), the Scientific Diving Centre (SDC), and the Mine Water Research Centre. The Helmholtz Institute Freiberg for Resource Technology, which was founded by TU BAF and the Helmholtz-Zentrum Dresden-Rossendorf (HZDR), researches new and innovative ways to explore high-tech metals such as gallium, indium, germanium, and rare earths.

The university and student initiatives offer a wide range of cultural events and leisure activities as well as more than 50 different types of sports activities at the university sports centre.



University location

Freiberg is located in the centre of the state of Saxony in the picturesque Erzgebirge Mountains, 40 km south-west of Dresden and 240 km south of Berlin.

[Location on a map on Openstreetmap.org](#)

Freiberg is more than 850 years old, and it was founded after the discovery of silver ore in 1168. Today, Freiberg has around 40,000 inhabitants. The medieval heart of the town, which is almost completely intact, is very attractive. It features the Upper Market Square with its late Gothic patrician houses and the Freiberg Cathedral at the Lower Market Square with its famous Silbermann organ and golden portal. Along with the world's oldest town theatre, a modern multiplex cinema, and nightclubs, more than a hundred restaurants, cafés, and pubs invite you to take a break and enjoy life.

There are sports facilities, a modern open-air and indoor swimming pool, and a park which surrounds the town centre like a green belt. Since 2008, the "Terra Mineralia" mineral collection has functioned as a centre of attraction for tourists, students, and inhabitants of Freiberg. The mineral collection, one of the largest collections in the world, is shown in the "Freudenstein", a refurbished castle in the town centre.

The nearby Saxon Switzerland National Park and the Erzgebirge Mountains are beautiful places for a wide variety of outdoor activities, including hiking and climbing in the summer and skiing in the winter. Dresden, Leipzig, and Berlin are easily accessible by train and offer plenty of social, cultural, and recreational alternatives.

Contact

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🌐 Course website: <https://tu-freiberg.de/en/master-sustainable-mining-and-remediation-management>

📘 <http://facebook.com/bergakademie>

🐦 <https://twitter.com/tubergakademie>

🌐 <https://www.linkedin.com/school/tu-freiberg.de>

📷 https://www.instagram.com/tu_bergakademie_freiberg/

📺 https://www.youtube.com/channel/UC76MdG8Ewd7_LNajayTzBag

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International Programmes in Germany - Database

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Disclaimer

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