



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



Table of Contents

Master's degree	2
 Metallic Materials Technology • TU Bergakademie Freiberg • Freiberg	2

Master's degree



Metallic Materials Technology

TU Bergakademie Freiberg • Freiberg

Overview

Degree	Master of Science
Teaching language	<ul style="list-style-type: none">English
Languages	Courses are given in English (100%). Exception: one compulsory German language course
Programme duration	4 semesters
Beginning	Winter and summer semester
Additional information on beginning, duration and mode of study	It is recommended to start in the summer semester.
Application deadline	1 January – 15 April for a start in the winter semester 1 July – 15 October for a start in the summer semester For applicants from India, China and Vietnam, please note: The APS certificate must be submitted with the application. The submission form alone will not be accepted.
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	<p>At TU Bergakademie Freiberg, we bring together experienced researchers and lecturers from different scientific communities to offer our graduate students the education needed for a successful career in modern materials science.</p> <p>Since the winter semester of 2017/2018, the international Master's programme in Metallic Materials Technology has been offered at TU Bergakademie Freiberg.</p> <p>Manufacturing of metallic components is one of the most important fields of any national economy. Starting with the production of materials followed by processing and metal forming, it is one of the most innovative technologies. Engineers in metal production, metal forming, and foundry technology contribute to this technological development.</p> <p>Based on the knowledge that has been gained in a Bachelor's course of studies, a deeper</p>

knowledge of steel production, non-ferrous metallurgy, metal forming, and foundry technology will be developed in this Master's programme. Furthermore, practical skills related to economics knowledge are gained.

Course Details

Course organisation

A minimum of four semesters (two years) is required to complete the programme. This MSc programme starts in the summer semester. Our academic year consists of two semesters. The language of instruction in all courses is English.

In the first semester, students receive an overview of the fundamentals of materials science and materials engineering. From the second semester onwards, students have to choose one of four specialisations: Metal Forming, Foundry Technology, Steelmaking, or Non-ferrous Metallurgy. In addition, we offer a catalogue of compulsory elective modules, for example in the field of business administration. The last semester is reserved for the Master's thesis.

A Diploma supplement will be issued

Yes

Course-specific, integrated German language courses

Yes

Course-specific, integrated English language courses

No

Costs / Funding

Tuition fees per semester in EUR

None

Semester contribution

Currently 94 EUR per semester

Costs of living

750 EUR to 900 EUR per month, depending on individual lifestyle, rent and utilities: 250 EUR to 380 EUR

Funding opportunities within the university

Yes

Description of the above-mentioned funding opportunities within the university

Deutschlandstipendium:

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 (300 EUR per month for one year).
2. Grants awarded to exceptionally committed students (three to four months, 300 EUR per month)
3. Study completion grant (300 EUR per month for three months)

Requirements / Registration

Academic admission requirements	<p>Candidate Profile</p> <p>The Metallic Materials Technology Master's programme is open to students who wish to upgrade their knowledge in engineering science, specialised in metal forming, foundry technology, non-ferrous metallurgy, or steel production. The MMT programme is designed to attract students from different fields of science and engineering to create an interdisciplinary environment and enable teamwork between scientists and engineers.</p> <p>Minimum Conditions of Admission</p> <p>Bachelor's degree (at least six semesters) or an equivalent degree in a course of study in the field of metallurgy, materials engineering, or another related discipline.</p> <p>Industrial Internship</p> <p>A 12-week industrial internship is required for this degree programme. It is recommended to complete or partially complete the internship before the degree programme. However, missing internship periods can also be completed during the degree programme, e.g. during the lecture-free periods until the topic of the Master's thesis is issued. The internship can be completed in different companies (materials technology, materials science, metallurgy, or related fields). The certificates must show which activities have been carried out.</p>
Language requirements	TOEFL with at least 90 points (Internet-based), IELTS score 6.5
Application deadline	<p>1 January – 15 April for a start in the winter semester 1 July – 15 October for a start in the summer semester</p> <p>For applicants from India, China and Vietnam, please note: The APS certificate must be submitted with the application. The submission form alone will not be accepted.</p>
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 250 EUR to 380 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.
Career advisory service	The International Office and the Career Centre offer seminars and workshops to help students successfully apply for jobs.
Support for international students and doctoral	<ul style="list-style-type: none">• Welcome event

TU Bergakademie Freiberg

The Technische Universität Bergakademie – TUBAF – has a unique profile as a "resource university" with expertise in sustainable raw materials and energy management, along with material and substance recycling. Together with national and international partners, TUBAF develops modern technologies and processes for the responsible use of finite resources. In order to address the economic and ecological challenges of the 21st century, the six faculties conduct interdisciplinary research regarding alternatives for raw material extraction, energy technologies, materials and recycling processes.

The Bergakademie Freiberg was founded in 1765. It is therefore one of the world's oldest technical higher education institutions.



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 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: 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 mineral collection "Terra Mineralia" functions 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 refurbished castle "Freudenstein" 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

TU Bergakademie Freiberg

Faculty of Materials Science and Technology

Akademiestraße 6
09599 Freiberg

✉ international@tu-freiberg.de

🌐 Course website: <https://tu-freiberg.de/en/master-metallic-materials-technology>

Dr-Ing Dirk Renker

Tel. [+49 3731392443](tel:+493731392443)

✉ [Email](#)

📘 <https://www.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

Last update 10.08.2024 00:32:46

International Programmes in Germany - Database

www.daad.de/international-programmes

www.daad.de/sommerkurse

Editor

DAAD - Deutscher Akademischer Austauschdienst e.V.

German Academic Exchange Service

Section K23 – Information on Studying in Germany

Kennedyallee 50

D-53175 Bonn

www.daad.de

GATE-Germany

Consortium for International Higher Education Marketing

www.gate-germany.de

Disclaimer

The data used for this database was collected and analysed in good faith and with due diligence. The DAAD and the Content5 AG accept no liability for the correctness of the data contained in the "International Programmes in Germany" and "Language and Short Courses in Germany".

The publication is funded by the German Federal Ministry of Education and Research and by contributions of the participating German institutions of higher education.



Federal Ministry
of Education
and Research