



TECHNISCHE UNIVERSITÄT  
BERGAKADEMIE FREIBERG

The University of Resources. Since 1765.

For Internationals

# STUDY IN FREIBERG

Study Courses, Language Courses, Application, Services



[tu-freiberg.de/en](https://tu-freiberg.de/en)

### Mathematics, Informatics & Natural Sciences/Mathematik, Informatik & Naturwissenschaften

Course name English	Course name German	B	M	D		
Applied Computer Science	Angewandte Informatik	6 ✓	4 ✓		✓	
Applied Natural Science	Angewandte Naturwissenschaften	6 ✓	4 ✓		✓	
Business Mathematics	Wirtschaftsmathematik	6 ✓	4 ✓		✓	
Chemistry	Chemie	6 ✓	4 ✓	10 ✓	✓	
Computational and Applied Mathematics	Angewandte Mathematik			9 ✓	✓	
Photovoltaics and Semiconductor Technology	Photovoltaik und Halbleitertechnik		4 ✓		✓	

### Geosciences, Geoengineering & Mining/Geowissenschaften & Geoingenieurwesen

Course name English	Course name German	B	M	D		
Advanced Mineral Resources Development (AMRD)			4 ✓			✓
Geoecology	Geoökologie	6 ✓	4 ✓		✓	
Geoengineering and Mining	Geotechnik und Bergbau			9 ✓	✓	
Geoinformatics	Geoinformatik		4 ✓		✓	
Geoinformatics and Geophysics	Geoinformatik und Geophysik	6 ✓			✓	
Geology/Mineralogy	Geologie/Mineralogie	6 ✓			✓	
Geophysics	Geophysik		4 ✓		✓	
Geoscience *	Geoscience		4 ✓			✓
Geosciences	Geowissenschaften		4 ✓		✓	
Groundwater Management			4 ✓			✓
Mine Surveying and Applied Geodesy	Marscheidewesen und Angewandte Geodäsie			10 ✓	✓	
Sustainable Mining and Remediation Management (MoRe)			3 ✓			✓

### Engineering Sciences/Ingenieurwissenschaften

Course name English	Course name German	B	M	D		
Automotive Construction: Materials and Components	Fahrzeugbau: Werkstoffe und Komponenten	3 ✓		10 ✓	✓	
Ceramic, Glass and Building Materials	Keramik, Glas- und Baustofftechnik	3 ✓		10 ✓	✓	
Computational Materials Science (CMS)			4 ✓			✓
Computational Science and Engineering **			4 ✓			✓
Electronic and Sensor Materials	Elektronik- und Sensormaterialien		4 ✓		✓	
Energy Engineering	Energietechnik	7 ✓	3 ✓		✓	

Course name English	Course name German	B	M	D		
Environmental Engineering	Umwelt-Engineering	7 ✓	3/4 ✓		✓	
Foundry Engineering	Gießereitechnik	7 ✓	3 ✓		✓	
Industrial Engineering and Management	Wirtschaftsingenieurwesen	7 ✓	3 ✓		✓	
Materials Science and Materials Technology	Werkstoffwissenschaft und Werkstofftechnologie			10 ✓	✓	
Mechanical Engineering	Maschinenbau	7 ✓	3/4 ✓	10 ✓	✓	
Nanotechnology	Nanotechnologie			10 ✓	✓	
Process Engineering	Verfahrenstechnik	7 ✓	3 ✓	10 ✓	✓	

### Economics and interdisciplinary courses of study/Wirtschaftswissenschaften und interdisziplinäre Studiengänge

Course name English	Course name German	B	M	D		
Business Administration	Betriebswirtschaftslehre	6 ✓	4 ✓		✓	
Business Administration for the Resources Based Industry	Betriebswirtschaft für die Ressourcenwirtschaft			9 ✓	✓	
Business Analytics			4 ✓		✓	
Business and Law	Business and Law	8 ✓			✓	
Energy and Resource Management	Energie- und Ressourcenwirtschaft		4 ✓		✓	
Industrial Archaeology	Industriearchäologie	6 ✓			✓	
Industrial Engineering and Management	Wirtschaftsingenieurwesen	7 ✓	3 ✓		✓	
Industrial Heritage	Industriekultur		4 ✓		✓	
International Business in Developing and Emerging Markets (IBDEM)			4 ✓			✓
International Management of Resources & Environment (IMRE)			4 ✓			✓
Law for Engineers	Technikrecht		4 ✓		✓	

### Postgraduate courses/Aufbaustudiengänge

Course name English	Course name German	B	M	D		
Business Administration for engineers, mathematicians & scientists *	Aufbaustudium Wirtschaftswissenschaften für Ingenieure, Mathematiker & Naturwissenschaftler			8 ✓	✓	
Environmental Engineering *	Umweltverfahrenstechnik			4 ✓	✓	

### More information: [tu-freiberg.de/en/international/english-master-courses](http://tu-freiberg.de/en/international/english-master-courses)

- B Bachelor degree course
- M Master degree course
- D Diplom degree course
- # ✓ Number indicates study period (semesters)
- Language of instruction is German
- Language of instruction is English

- \* This course is subject to tuition fees.
- \*\* This is a cooperation with TU Dresden. Application via TU Dresden.



#### Advanced Mineral Resource Development (AMRD)

The aim of the international Master programme Advanced Mineral Resources Development is the acquisition of knowledge and competence in developing sustainability and environmentally friendly methods in mining and mine remediation under economic considerations. The foundation is an international study at three partner universities.

#### Computational Materials Science (CMS)

By the end of the two years master programme, the graduates will have the scientific qualification to build the links between Mechanical Engineering, Materials Sciences and Solid State Physics. Of most importance, they gained the capability in several computational methods to simulate material behavior.

#### Geoscience

The international Master programme Geoscience offers thorough knowledge in one of the three geo-scientific disciplines: Tectonophysics of Orogeny; Environmental Geoscience; Hydrogeology/Hydrochemistry. This course is subject to tuition fees.

#### Groundwater Management

The international Master programme Groundwater Management combines knowledge of hydrosphere, water chemistry, modeling, groundwater protection, and groundwater rehabilitation with management techniques and business administration skills.

#### International Management of Resources & Environment (IMRE)

The MBA programme International Management of Resources & Environment combines managerial capabilities with technical knowledge in geological sciences and environmental protection educating experts for the environmental and resource management.

#### International Business of Developing and Emerging Markets (IBDEM)

The MBA programme International Business of Developing and Emerging Markets provides future Eastern and Western Managers with theoretical and practical insights into business administration and economics. It will permit the students to understand and participate in today's and future opportunities in the transition and development issues of worldwide business.

#### Sustainable Mining and Remediation Management (MoRe)

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 vitalisation of industries.

The programme is based on the worldwide unique German know-how on mining remediation, especially for uranium, lignite and ore mining. A further part in this context is brownfield revitalisation. It was created as a concept of a unique, research oriented study programme.

#### The University

- founded in 1765
- **campus university** with about **5,000** students
- unique research profile with the **core fields** of geo, material, energy, environment
- several of our courses rank among the **top 5** places in current comparative **rankings** of German universities
- **NO tuition fees** for almost all programmes
- over 100 exchange agreements with foreign universities
- **16 % international students**
- terra mineralia, one of the world's largest mineral collections
- study and research mine "Reiche Zeche"
- the elements of **Germanium** and **Indium** were discovered in Freiberg
- the scientist and explorer **Alexander von Humboldt** studied in Freiberg

#### The City of Freiberg

- about 42,000 inhabitants
- founded in the **early 12<sup>th</sup> century**, the city developed rapidly, thanks to the discovery of **silver ore**
- a leading centre of **semiconductor and solar industry**
- home to the oldest municipal **theatre**, to a multiplex cinema, several bowling alleys and a **pub mile** frequented by students
- **charming medieval** city centre with original architecture within the preserved city walls
- all four **seasons** are well represented in Freiberg:
  - In the heat of the summer months, several outdoor **swimming** pools and natural lakes offer a cool-down
  - after a hard day's work and in winter, the hills surrounding Freiberg are ideal for **skiing** and **snowboarding**





**Application for admission at TU Bergakademie Freiberg**
**You will need the following documents:**

- application for Admission to Studies for Foreign Applicants together with one up-to-date passport photograph (form to be downloaded from: [tu-freiberg.de/international/application](https://tu-freiberg.de/international/application)),
- certified copies of educational certificates (school certificates, if applicable Bachelor's degree, Transcript of Records)
- officially certified/attested translations of these documents into German or English
- certificates of language proficiency
- other documents depend on selected programmes

**Application deadlines for the winter semester:**

- with preparatory courses: April 30 (e.g. German language classes)
- without preparatory courses: July 15

**Application deadlines for the summer semester:**

- with preparatory courses: October 31
- without preparatory courses: January 15

For a **Bachelor** or **Diplom degree course**, please send your completed application documents to the following address:

**TU Bergakademie Freiberg**  
**c/o uni-assist e. V.**  
**Geneststr. 5**  
**10829 Berlin**  
**Germany**

There is a charge (currently 75 EUR) for the processing of your application through uni-assist. Get more details on the application procedure from: [www.uni-assist.de](https://www.uni-assist.de)

For a **Master degree course** application, please send your documents directly to the university:

**TU Bergakademie Freiberg**  
**Zulassungsbuero**  
**Akademiestr. 6**  
**09599 Freiberg**  
**Germany**


**International Centre**

The **International Centre** focuses the University's international activities. The International Centre is responsible for international relations, study abroad programmes, language courses and last but not least, support services for international students.

"We **warmly welcome** all new international students. We **appreciate** your **motivation and enthusiasm** to study abroad and are aware of the difficulties that you may encounter especially at the beginning of your stay.

Every new student gets a buddy assigned to help during the initial phase. We negotiate a **room in the Halls of Residence** for our international students. We offer **support** when you need it. We want you to **feel good in Freiberg** because only if you feel good can you study efficiently and achieve your goals."

Katja Polanski, International Centre Director


**Support**

- buddy programme
- assistance with housing
- orientation days in German and English before the beginning of the semester
- cultural activities


**German Language Courses**

The International Centre offers a variety of German language courses to provide for the needs of international students and PhD students.

**Intensive preparatory courses** for students holding an admission for a degree course at TU Bergakademie:

- **A2/B1 intensive course**, duration 1 semester, 24 hours of instruction per week
- **B2/C1 intensive course** (DSH preparation) duration 1 semester, 26 hour of instruction per week

**Other German language courses** for students in International Master Programmes, exchange students and postgraduates at levels **A1–B2**, duration 1 semester, 4 hours of instruction per week.

For more information on course offers and fees please visit [tu-freiberg.de/en/international/german-courses](https://tu-freiberg.de/en/international/german-courses)

## ➤ CONTACT

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## ➤ IMPRINT

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