

MEET THE TEAM



**PROF. DR.
CHRISTOPH BUTSCHER**
Engineering Geology

christoph.butscher@ifgt.tu-freiberg.de



**PROF. DR.
LOTHAR RATSCHBACHER**
Tectonics/Geo-
Thermochronology

lothar.ratschbacher@geo.tu-freiberg.de



**PROF. DR.
CHRISTIAN GERHARDS**
Geomathematics
and Geoinformatics

christian.gerhards@geophysik.tu-freiberg.de



**PROF. DR.
TRAUGOTT SCHEYTT**
Hydrogeology and
Hydrochemistry

traugott.scheytt@geo.tu-freiberg.de



**PROF. DR.
JÖRG MATSCHULLAT**
Geochemistry
and Geoecology

joerg.matschullat@ioez.tu-freiberg.de



**PROF. DR.
KLAUS SPITZER**
Applied Geophysics

klaus.spitzer@geophysik.tu-freiberg.de



**PROF. DR.
THOMAS NAGEL**
Soil Mechanics

thomas.nagel@ifgt.tu-freiberg.de

TU Bergakademie Freiberg is a great place to study and work

- Distinct profile built on 4 core fields:
GEOSCIENCES – MATERIALS – ENERGY – ENVIRONMENT
- Top research university: TU Bergakademie Freiberg receives the highest third-party funding per professor among German universities
- Scientific atmosphere in Freiberg: Helmholtz Institute Freiberg for Resource Technology (HIF), Biohydrometallurgical Center for Strategic Elements (BHMZ), Center for Water Research (ZeWaF), Geocompetence Center Freiberg (GKZ)
- Unique features such as Dr. Erich Krüger Foundation, TU Bergakademie Foundation, Terra Mineralia – the university's exceptional mineral collection, Research and Teaching Mine / Silver Mine Reiche Zeche
- University Campus with short commuting distances
- Diversity, equality, inclusion of people with disabilities and chronic diseases as well as family friendliness and an open encounter with people, cultures and ideas are part of TU Bergakademie Freiberg's mission statement



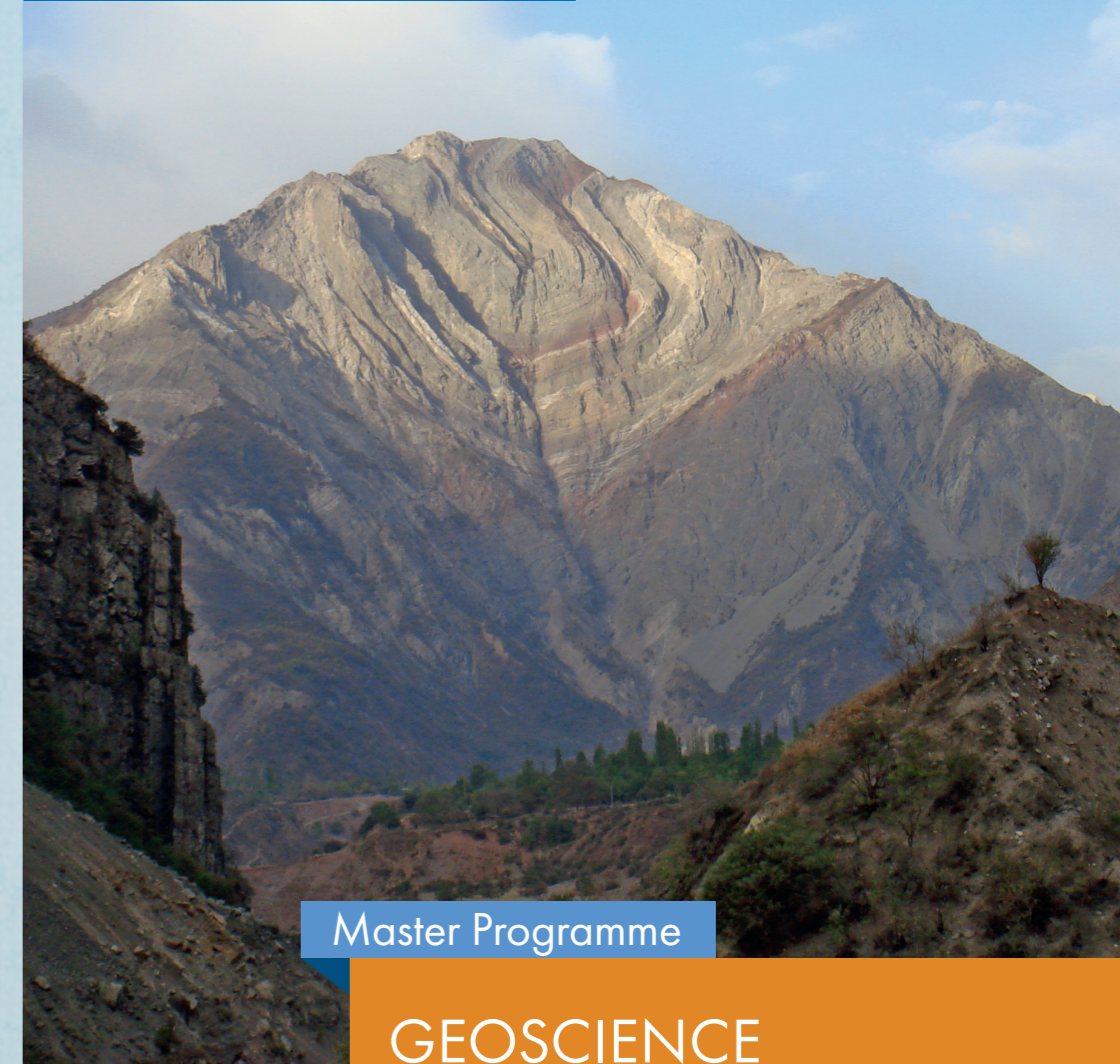
CONTACT

DEAN OF STUDIES
PROF. DR.
TRAUGOTT SCHEYTT

Gustav-Zeuner-Str. 12
09599 Freiberg / Germany
Phone: +49 3731 39-2792

Fax: +49 3731 39-2720
[https://tu-freiberg.de/en/
studies/master-geoscience](https://tu-freiberg.de/en/studies/master-geoscience)

TECHNISCHE UNIVERSITÄT BERGAKADEMIE FREIBERG



Master Programme

GEOSCIENCE

Striving for excellence



Falsities and modifications are reserved.
Effective: September 2020



<https://tu-freiberg.de/en/studies/master-geoscience>

GEOSCIENCE MASTER

The International Master programme "Geoscience" (MGEX) provides students with excellent knowledge in Geology, Environmental Sciences, Geophysics and Geoinformatics. We look for talented and ambitious students. Participants are prepared for productive careers in academia, government, or industry.

STUDY ORGANIZATION

The Master programme "Geoscience" is attractive to students with focused research interests. Lectures are centered around their specialisation of choice. The first semester offers an introduction in the chosen field with a course on scientific communication. Key aspects of the second semester are experimental lab and field studies, while the third semester offers advanced courses. The student completes an in-depth research project and writes a Master's thesis with a defense at the end of the programme.

AT A GLANCE

Degree	Master of Science	Start of studies	Winter Semester
Teaching Language	English	Application deadline	15 th April to start in October
Languages	Courses are held in English, some courses in German	Tuition fees	None
Period of study	4 Semesters	Combined	No
		Joint degree	No

ACADEMIC ADMISSION REQUIREMENTS

Acceptance into the Geoscience Master programme depends upon meeting above-average academic standards, having faculty support and securing funding for own costs of living. Competition is stiff; even highly qualified students are not necessarily guaranteed acceptance.

In order to be admitted into the programme you must hold a 3-year bachelor degree from an accredited college or university and you must be among the best 25 % of your class. Your application must include official college transcripts. A minimum score of 305 from the Graduate Record Exam (GRE) is required. Also, we request you to submit a one-page personal statement outlining your background, research interests (including possible faculty research advisors), objectives, and reasons for applying to our postgraduate program.

LANGUAGE REQUIREMENTS

Students whose native language is not English must submit their TOEFL (Test of English as a Foreign Language) score with at least 90 points or IELTS (International English Language Testing System) with a score of minimum 6.5 points.

For further information on how to apply, please visit our website:

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

<https://tu-freiberg.de/en/studies/master-geoscience>

CONCEPT

Our teaching concept is research-based and emphasises close individual mentoring with hands-on experience and involvement which takes place in a motivating atmosphere with international flair. This involves active student participation and is backed by a wide range of well-supervised training opportunities in the field, in the lab, and numerical approaches. Students must choose one of the following four fields of specialisation:

- 1) Computational and Mathematical Geoscience
- 2) Environmental Geoscience
- 3) Hydrogeology and Hydrochemistry
- 4) Tectonics and Geo-Thermochemistry

