



TU Clausthal



Master of Science
CHEMISTRY

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The Master of Science degree program in Chemistry builds on a Bachelor of Science degree in Chemistry. Graduates of the Bachelor of Science degree program in Energy and Materials Physics can also continue their studies with a master's degree in chemistry.

In order to prepare graduates for the international world of chemistry, the master's degree program is taught in English. The master's degree program is divided into a compulsory part in the fields of Inorganic and Analytical Chemistry, Organic Chemistry, Physical Chemistry and Technical Chemistry. Subsequently, students can choose between the two branches of study: Applied Chemistry or Polymer Chemistry. Experimental skills as well as dealing with research tasks will be acquired in two in-depth research laboratory courses.

In addition, teamwork and the contribution of individual ideas within an interdisciplinary scientific collaborative effort will be taught.

The program is completed with a master's thesis (6 months).

FIVE GOOD REASONS TO STUDY IN CLAUSTHAL

Excellent mentoring of
students

1



2

Outstanding professional
perspectives

International Flair

3



4

Sports and
nature at their best

Favorable rents

5



CLAUSTHAL-ZELLERFELD IN FIGURES

Citizens:	15,300
Elevation:	600 m above sea level
Number of ponds:	60
Mountainbike courses in the Upper Harz:	1,800 km
Cross-country ski trails in the Upper Harz:	200 km
Climbing routes in the western Harz:	1,100 on 199 rocks
Hiking trails in the Harz:	10,000 km
Geocaches in the Harz:	over 2,500




OCCUPATIONAL PROFILE AND CAREER PERSPECTIVES

From pharmaceuticals to batteries to lightweight aircraft construction – chemistry has become an indispensable part of our modern world. The wide range of specialties extends from basic chemistry to fine chemicals, polymers, pharmaceuticals, the life science sector as well as nanomaterials. The Chemistry degree program at Clausthal University of Technology is primarily material- and process-oriented.

Chemists have excellent career prospects in a wide variety of employment fields. These no longer only include the chemical industry, but also areas such as marketing, consulting, administration and many more.

Due to the variety of professional fields, such as the production of basic materials or fine chemicals, research into new plastics and medicines, as well as the application-oriented development of products and communication with customers, academic programs are necessary which focus on the different fields in a profiled manner.



SPORTS & CULTURE

Be active while studying: The Sports Institute of Clausthal University of Technology offers more than 70 different kinds of sports. In addition to indoor sports, outdoor activities are particularly attractive due to the nature in the Harz Mountains: cross-country skiing, alpine skiing, snowboarding or biathlon in winter, and mountain biking, climbing, sailing or whitewater kayaking in summer.

For more information, visit our website:
www.sport.tu-clausthal.de

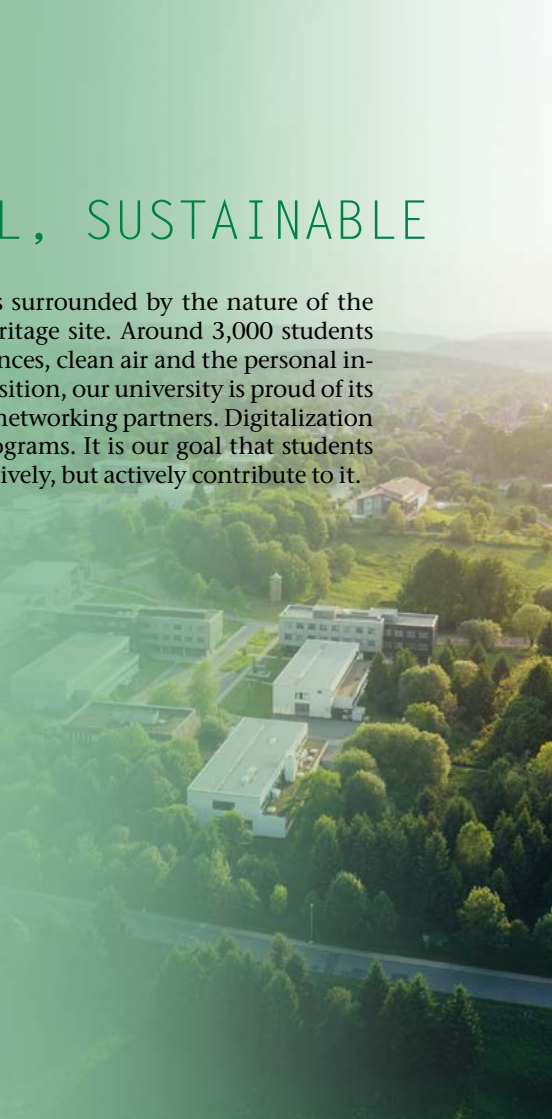
Clausthal University of Technology also has an artistic side. Students can pursue their musical talents in the big band, the chamber choir or the symphony orchestra. Each ensemble rehearses a program during the semester, which is then presented to University members and the citizens of Clausthal-Zellerfeld in a concert.

For more information, visit our website:
www.tu-clausthal.de/en/prospective-students/student-life/music-and-culture

AGILE, DIGITAL, SUSTAINABLE

Clausthal University of Technology is surrounded by the nature of the beautiful Harz, an UNESCO world-heritage site. Around 3,000 students and 1,100 employees enjoy short distances, clean air and the personal interaction. Due to its strong research position, our university is proud of its numerous national and international networking partners. Digitalization is the common theme of all study programs. It is our goal that students not only experience digitalization passively, but actively contribute to it.

Sustainability is another key topic of Clausthal University of Technology. Studying in the Upper Harz, you are in the center of the future issues related to climate change. The circular economy - in the sense of sustainable, resource-efficient technology and processes, renewable energies and digital transformation - is the guiding theme of our university. The technical sciences, the natural sciences and economics are equally committed to this. They all contribute to tomorrow's environmentally friendly industrial society.





CONTACT

Program Advisor

apl. Prof. Dr. Jörg Adams

E-Mail: ma.chem@tu-clausthal.de

Internet

tu-c.de/ma01

www.tu-clausthal.de

