5 Good Reasons ...

... for the M.Sc. Mathematics at the University of Bremen:

1. Individual + dedicated supervision
2. Research-based learning
3. Flexibility through choice of courses
4. International learning community
5. Excellent career prospects

Program at a Glance

Duration
4 semesters, full-time

Language
English

Degree
Master of Science

Scope
120 CP

Application

Requirements

- Bachelor's degree accumulating at least 180 CP
- Including at least 90 CP on mathematical topics
- English language proficiency corresponding to CEFR level B2 or higher
- German language proficiency corresponding to CEFR level A1 or higher

Restrictions

None, open admission

Deadlines

April 30 (Winter Semester)
October 15 (Summer Semester)

Contact and Advice

Central Student Advisory Service
Building: VWG, Ground floor
Phone +49 421 218 – 61160
zsb@uni-bremen.de
www.uni-bremen.de/zsb

Academic Advisory Office – Mathematics
Building/Room: MZH 1300
Phone +49 421 218 – 63744
szmathe@uni-bremen.de
www.szmathe.uni-bremen.de

Scan for further information!
unihb.eu/math_mscs

University of Bremen
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28359 Bremen

As of 08/2022

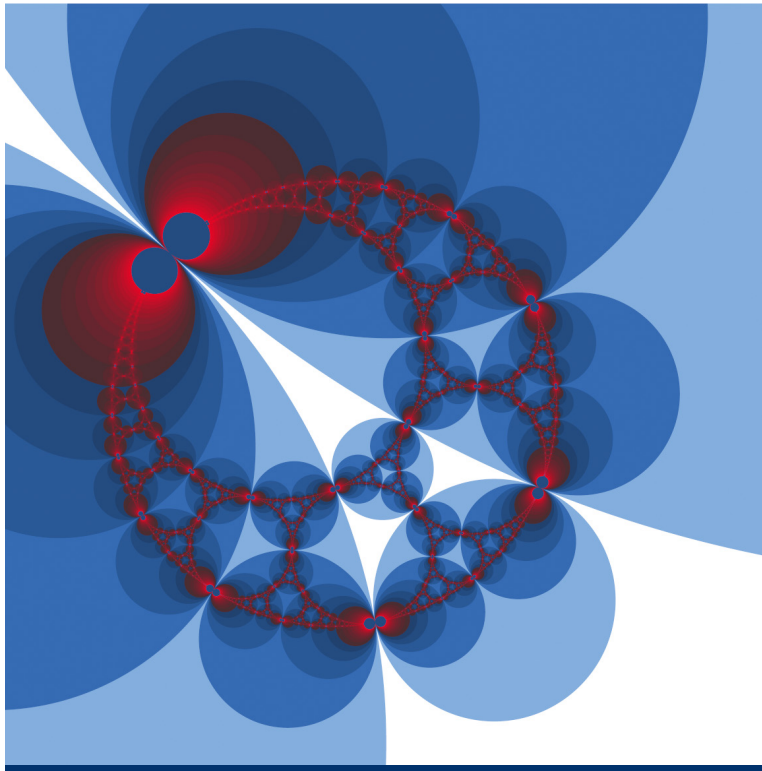
Gestaltung: Uni Druckerei

University of Bremen

Faculty 03
Mathematics and Computer Science

M.Sc.

Mathematics



Extend your career!

Have you successfully completed a bachelor's degree and would like to gain further qualifications as part of an advanced international program? Do you want to study more exciting mathematics and expand your analytical-methodical knowledge and skills? Then our master's program M.Sc. Mathematics is just what you are looking for!
In the wake of globalization, mathematicians are in demand nationally and internationally; not only in science, but also in almost all areas of the job market, such as prototype design, finance, insurance, software development, management consulting, medicine, and digital communications.

What's special about this program?

This English-language master's program prepares mathematicians for a successful future in science and in the global job market by integrating international reseach projects and inquiry-based learning into the study program.

Course contents

Our advanced mathematics program stands out due to its great flexibility. It allows you to study according to your interests and offers a choice between two options. In the *theory-oriented* program, you study topics in mathematics at the cutting edge of research in the form of lectures as well as through self-study. In the *application-oriented* variant, students study a second subject in addition to mathematics, such as biology, chemistry, electrical engineering, geosciences, computer science, philosophy, physics, production and mechanical engineering, or economics. Whichever option you choose, in both you will specialize in one of the mathematical fields: algebra, analysis, numerical analysis or statistics/stochastics.

The City of Bremen

Bremen is a city of around 500,000 people in Northwest Germany. The city inspires with its maritime flair, being located along the Weser River and due to its proximity to the North Sea. The city has a history of more than 1,200 years and is a modern European center for the space and aeronautics industries today. The university opened its doors in 1971 and is closely linked to the city and its businesses. Many tech companies and research institutions are located close to the university campus.

Academic Plan

<table>
<tr><th rowspan="2">Sem.</th><th colspan="5">Mathematics (102 or 111 CP)</th><th rowspan="2">Application Subject or General Studies (18 CP or 9 CP)</th></tr>
<tr><th colspan="3">Specialization (66 CP or 75 CP)</th><th>Diversification (36 or 27 CP)</th><th>Electives (9 CP)</th></tr>
<tr><td>1.</td><td>Specialization A (9 CP)</td><td colspan="2"></td><td>Diversification A (9 CP)</td><td>Diversification B (9 CP)</td><td rowspan="3">Specialization C (9 CP)

or

Diversification C (9 CP)</td><td rowspan="3">Application Subject (18 CP)

or

General Studies (9 CP)</td></tr>
<tr><td>2.</td><td>Specialization B (9 CP)</td><td rowspan="2">Advanced Communications A (9 CP)</td><td rowspan="2" colspan="2">without Application Subject:
Reading Course B (9 CP)</td><td rowspan="2">Advanced Communications B (9 CP)</td></tr>
<tr><td>3.</td><td>Reading Course A (9 CP)</td></tr>
<tr><td>4.</td><td colspan="3">Master thesis (30 CP)</td><td colspan="3"></td></tr>
</table>

Explanations of the module contents: Specialization A, B, C: Lectures from your area of specialization | **Diversification A, B, C:** Lectures from the other three areas of specialization | **Reading Course A, B:** self study and research in your area of specialization and/or diversification | **Advanced Communications A, B:** self study and presentation of mathematical topics in your area of specialization (A) and diversification (B) | **Application Subject:** courses from one of the application subjects (as listed above) | **General Studies:** free choice of modules from a catalogue of complementary studies | **Master's thesis:** writing and presenting your research topic in your area of specialization