



Application Deadlines

Admission with scholarship: **15 December**

Admission only: **15 May**

Start of studies: **October**

The academic year in Berlin is divided into winter semester (October through February) and summer semester (April through July).

Applications are accepted only through our online form.

For complete details on the application process, visit:

<http://www.math-berlin.de/application>



Berlin Mathematical School

The Berlin Mathematical School (BMS) is the joint graduate school of the mathematics departments at the three Berlin universities: Freie Universität (FU), Humboldt-Universität (HU) and Technische Universität (TU). The BMS combines their broad expertise in mathematics into an excellent environment for graduate studies.

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Mathematical
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Research Areas

The Berlin Mathematical School covers a very broad spectrum of mathematics. With over 70 professors on its faculty, there is active research in many fields ranging – in the traditional classification – from “pure” to “applied” mathematics. The BMS, however, prefers not to make this distinction; instead, the mathematical strengths of the BMS are grouped into seven research areas:

1. Differential geometry, global analysis, and mathematical physics
2. Algebraic and arithmetic geometry, number theory
3. Probability, statistics, and financial mathematics
4. Discrete mathematics and optimization
5. Geometry, topology, and visualization
6. Numerical analysis and scientific computing
7. Applied analysis and differential equations

BMS Friday Colloquia

Held every two weeks during term, the BMS Friday Colloquia are aimed at a broad audience explicitly including students. The talks give an overview of large-scale connections and insights into mathematics as a whole. The distinguished international guest speakers are selected not only for the significance of their mathematical work, but also for their engaging presentation style and influence in the global mathematics community. BMS students regularly attend the BMS Fridays, which also include the student-run “What Is ...?” seminar series as well as tea & cookies.



BMS Program

The BMS program is divided into two phases: Phase I is a graduate course program designed to prepare students for the research they will conduct in Phase II while working on their doctoral dissertations.

Phase I

Students who will have finished their bachelor’s degree are eligible to apply for Phase I. Graduate courses are offered (in English) at all three universities, with a coordinated schedule. Over the course of three to four semesters, students have the opportunity to get the breadth and depth of mathematical knowledge required for high-level research. Students move on to Phase II by passing the oral qualifying exam.

Phase II

Students who will have completed a master’s degree are eligible to apply directly to Phase II; the application must include a research statement and name a desired supervisor from the BMS Faculty. Phase II consists of research for the doctoral dissertation, conducted within one of the mathematics research groups in Berlin. Students are expected to complete their dissertation within two to three years of starting Phase II. Students typically take at least one Advanced Course each semester in Phase II; these are topics courses exploring various areas of current research. Each Phase II student has a mentor from the BMS Faculty in addition to his or her supervisor.



Advantages

In addition to the English-language course program covering a broad range of research topics in pure and applied mathematics, the BMS has much to offer its students:

- Scholarships for Phase I and Phase II
- Funding for conference travel
- BMS summer schools
- Mentoring program
- Soft-skills seminars
- Special funding for students with children

BMS students have access to all facilities at the three universities. The BMS lounges at FU, HU and TU serve as central meeting places, not only for academic purposes but also for social activities. Each semester, BMS students organize social events like climbing, cooking, or canoeing.

Diversity

The primary goal of the BMS is academic excellence in mathematics. At the same time, the BMS actively pursues the goals of internationality, gender equality and diversity. We ensure a working environment that is accepting, liberal, and supportive for its students, faculty, and employees. The BMS is dedicated to making education available to all, regardless of disability, ethnic background, gender, religion or sexual orientation.