

## Applications

The application period ends on May 31 of each year for the following academic year (winter and summer semester). The winter semester starts in October and lasts until mid-February, the summer semester begins in mid-April and ends in mid-July.

Applicants interested in a scholarship should submit their application before **December 31!** After that the allocation of scholarships is subject to availability. Applications are accepted until May 31 of each year to begin in October.

Detailed application guidelines and course information can be found here: [www.math-berlin.de](http://www.math-berlin.de)

## Contact

If you have any questions about applying to the BMS, our requirements, our scholarships, or any other sort of question, feel free to contact us. We will be happy to help you!

The One-Stop Office supports the BMS students in all practical issues that may arise, ranging from travel, visa, housing, language courses, bureaucratic issues to child care, music and sports opportunities.

### **Berlin Mathematical School**

Managing Director: Ms. Nadja Wisniewski

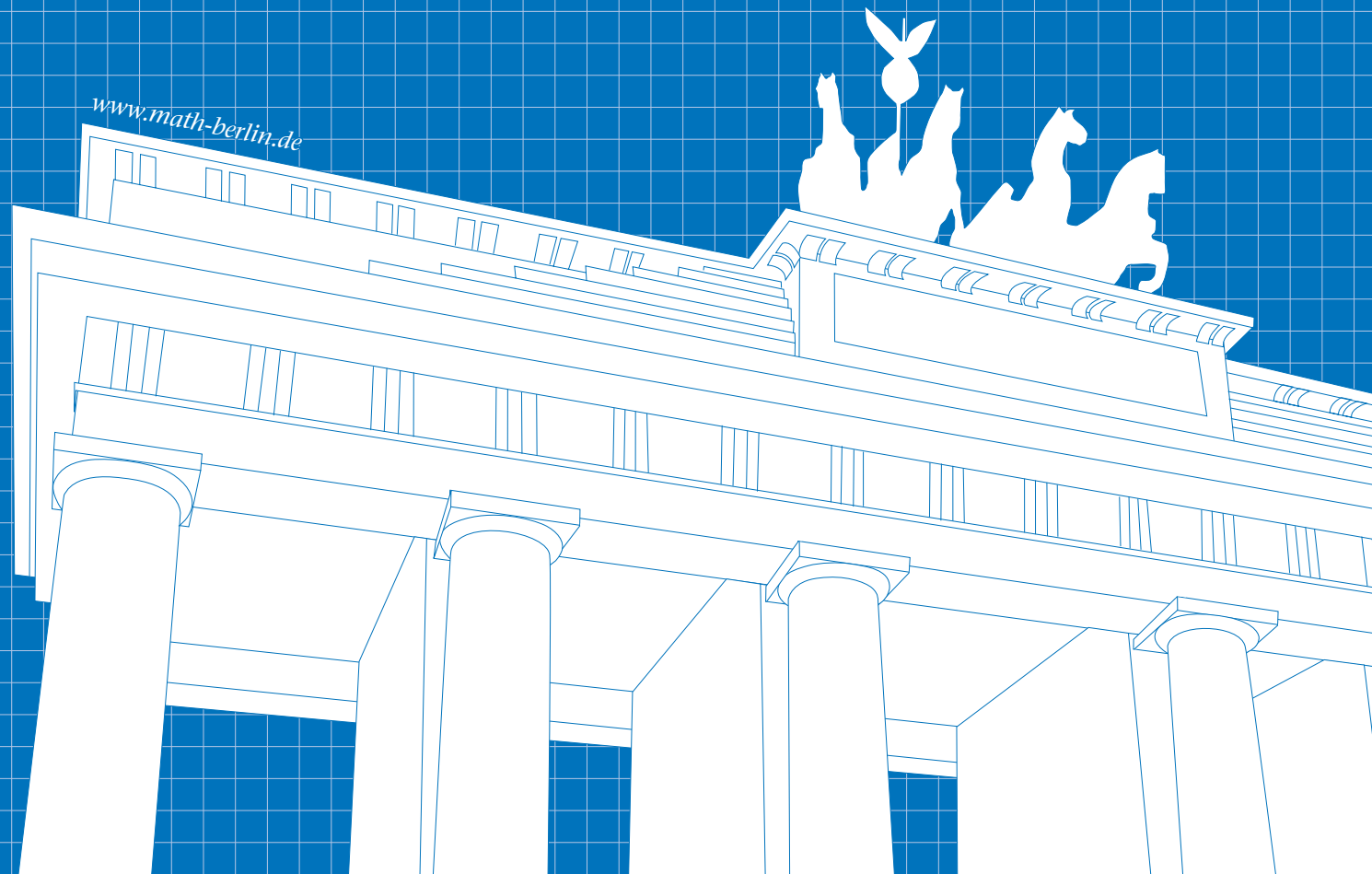
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## Berlin Mathematical School

The Berlin Mathematical School (BMS) is a joint project of the three renowned mathematics departments at the universities in Berlin: Freie Universität (FU), Humboldt-Universität (HU) and Technische Universität (TU). It combines the broad expertise in mathematics at the three Berlin universities into an excellent environment for graduate studies. Chosen for its innovative concept, its strong cross-disciplinary focus and outstanding teaching schedule tailored to the needs of international students, the BMS obtains major funding as a Graduate School in the framework of the German “Excellence Initiative” since October 2006.

## Research Areas

The subject of the Berlin Mathematical School is Mathematics, which encompasses many fields that are traditionally termed either „pure“ or „applied“ mathematics. The BMS prefers, however, not to make that distinction; instead, the research areas covered by the BMS are grouped into seven parts, each of which covers a quite broad, but coherent, part of mathematics:

1. Analysis, geometry, and mathematical physics
2. Algebraic and arithmetic geometry, number theory
3. Probability, statistics, and financial mathematics
4. Discrete mathematics and optimization
5. Visualization and geometry processing
6. Numerical methods and scientific computing
7. Mathematical modeling and applied analysis

## PhD program

The BMS PhD program consists of two phases:

### Phase I

In three to four semesters Phase I leads from a Bachelor’s degree level to an oral qualifying exam. The study program for Phase I covers both a broad mathematical background and the specialization required for high-level research. On four days of the week, lectures are offered at the mathematics departments of the three universities, with a coordinated schedule. On Fridays, common activities such as seminars and colloquia take place.

Phase I			Phase II			
1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester	...
basic courses		advances courses	qualifying exam	thesis research		

### Phase II

Phase II (four to six semesters) is dedicated to thesis research, preferably within one of the focused training programs provided by Research Training Groups (RTGs) and International Max Planck Research Schools (IMPRSs), or in research projects such as the DFG Research Center MATHEON, the Collaborative Research Center “Space, Time, Matter”, or one of the interdisciplinary projects. The BMS integrates mathematics RTGs and IMPRSs as certified units that provide the research environment and supervision for Phase II students.

For entering straight into Phase II, applicants are expected to have a Master’s degree or equivalent, or must pass the BMS qualifying exams and meet the regular admission requirements of the Berlin universities’ Ph.D. programs. Applicants are expected to name a supervisor in their application.

## Diversity

Besides striving for academic excellence, the BMS is actively pursuing the goals of internationality, gender equality and diversity and ensuring a working environment that is accepting, liberal, and supportive for its students, faculty, and employees. The BMS is dedicated to make education available irrespective of race, class and gender.

## Student benefits

The BMS offers:

1. mentorship programs,
2. conference funds,
3. summer schools,
4. additional financial and organizational support for students with children,
5. guidance and encouragement for female students,
6. soft skill trainings as well as
7. German language courses for international students,
8. “Buddy” program for new students.

Every semester social events such as climbing, kart racing or canoeing take place. Moreover students have access to all facilities at each of the three universities. Lounges at FU, HU and TU serve as social meeting places.