



## Business Mathematics M.Sc.

### Application Information

**Application period:** 1 June - 15 July (winter term) and 1 December - 15 January (summer term)

**Semester start:** October 1st (winter term)

**Language(s) of instruction:** English

### Introduction

In this research-oriented Master's program, students learn to take up complex problems from Economic Sciences and to solve them using mathematical methods, even beyond the limits of the current state of knowledge. Taking into account the requirements and changes in the professional world and the interdisciplinary references, the program is designed to teach the necessary subject-specific methods and to expand the mathematical and economic skills and knowledge that enable students to work scientifically, to apply and critically classify scientific findings, and to act responsibly.

In the first two semesters, you will deepen your knowledge of both mathematics and economics in lectures and seminars. You can choose from a wide range of courses offered primarily by the Department of Mathematics, the Faculty of Business Administration and the Department of Economics. In the 3rd semester at the latest, you will then be introduced to current research and in this way prepared for the Master's thesis, with which you will complete your studies in the 4th semester.

### Admission Requirements

#### University Degree

For the Master's program in Business Mathematics you need to have accomplished a Bachelor's degree in Business Mathematics or Mathematics (with Economics as subsidiary subject) or Economic Sciences (with strong focus on Mathematics). The content of this degree must be comparable to the Bachelor's degrees in Business Mathematics, Mathematics, Business Administration or Economics from the University of Hamburg.

You are eligible, if you can prove, that you have gained at least 60 Credit Points in Mathematics and at least 20 Credit Points in Economic Sciences.

If you have not received your degree certificate yet, you can submit this by the end of the first semester of your Master's program. Please see the "Documents to Submit" section below for details.



## Additional Special Admission Requirements

Your proficiency in English will be considered as proven if at least one of the following applies to you:

- a) You have passed a test within CEFR/TELC at level B2
- b) You have passed the IELTS test with a score of at least 5.0
- c) You have passed the TOEFL test with 72 credits in the internet based-test (TOEFL iBT)
- d) You have passed Cambridge Certificate of Advanced English (CAE), of Proficiency in English (CPE), Higher Business English Certificate (BEC), First Certificate in English (FCE)
- e) You have a degree from a Bachelor degree program taught in English language
- f) You have a high school diploma accepted at English language universities
- g) You have spent at least 6 months in an English-speaking country
- h) You have participated in English classes at a German-speaking school for at least seven years.

For details of the legal basis for this regulation, please see the admission by laws for your chosen degree program: [www.uni-hamburg.de/zugang-master](http://www.uni-hamburg.de/zugang-master).

## Recognition of Transcripts for Degree Programs Completed at Foreign Higher Education Institutions

If you obtained your first degree abroad, your certificate will be reviewed during the application procedure in the faculty of your program.

If your degree certificate is not in English or German, please include a copy of a certified English or German translation of the certificate with your application documents.

## Application

### Online Application

You will need to complete the online application available on Universität Hamburg's application portal during the application period: [www.uni-hamburg.de/online-application](http://www.uni-hamburg.de/online-application). Please create a user account, enter your information online, upload the required documents to your online application and submit your application online.

The application procedure for the master program is an online procedure. This means that you do not need to submit any documents in paper form or via email to Universität Hamburg. Instead, you have to upload the documents. Selection is based on the information you provide online and the documents you upload.



If you want to submit an additional special application (e.g. hardship application), you will need to send this special application separately via the online application portal together with the required proofs as an upload by the application deadline. For more information on special applications, please see [www.uni-hamburg.de/sonderantrag](http://www.uni-hamburg.de/sonderantrag) and [www.uni-hamburg.de/info-master](http://www.uni-hamburg.de/info-master).

### Documents to Submit

For documents not issued in English or German, a certified English or German translation is required.

- Degree certificate or provisional Transcript of Records  
If you are still studying when you apply and cannot yet provide a final certificate containing your grades, please submit your current Transcript of Records confirming your provisional grade point average. You will then need to submit your degree certificate by the end of the first semester of your master's program.  
You are eligible, if you can prove, that you have gained at least 60 Credit Points in Mathematics and at least 20 Credit Points in Economic Sciences.
- Current Transcript of Records with proof of the conversion of your final grade or your current grade average into the German grading system  
If you do not have proof for this, we recommend that you provide your current overall grade, as well as the highest and lowest grades that are considered passing grades at your university. You can also request this conversion at [www.uni-assist.de](http://www.uni-assist.de) if necessary. Grade conversions from the Zentralstelle für ausländisches Bildungswesen (Central Office for Foreign Education), the Zeugnisanerkennungsstellen (Certificate Recognition Offices) of the German federal states and APS certificates from the Akademische Prüfstellen (Academic Examination Offices) of China, Vietnam and Mongolia can also be submitted.
- Self-written list of your completed modules in Mathematics and their Credit Points
- Self-written list of your completed modules in Economic Sciences and their Credit Points
- Curriculum vitae
- Letter of motivation (about one page): Why do you want to study Business Mathematics? What interests you most? What are you hoping to achieve in your studies regarding your further scientific education?
- Proof of knowledge of the English language (see Admission requirements)

We recommend that you be able to follow courses and seminars in English as well as in German.

The copies of your documents need not to be certified. Copies in English or German are accepted. If your certificates are in another language, please enclose a copy of a certified translation.



## Selection Criteria

If the number of applicants exceeds the number of places available, a selection procedure will be necessary. The following selection criteria are used to calculate a selection rating:

- a) grade of your Bachelor's degree and length of studies
- b) relevant qualifications or work experience, in particular a Bachelor's degree in Business Mathematics
- c) personal statement regarding further scientific education

For details of the legal basis for this regulation, please see the selection by laws for your chosen master's program: [www.uni-hamburg.de/auswahl-master](http://www.uni-hamburg.de/auswahl-master).

## Admission and Enrollment

Once your application has been reviewed, an acceptance or rejection letter will be made available in your STiNE account under the Dokumente (Documents) tab. Please see the information at [www.uni-hamburg.de/online-application](http://www.uni-hamburg.de/online-application). An enrollment deadline will be indicated in your acceptance letter - please submit the documents required for enrollment by this date. The enrollment process is an online process. Detailed information about the enrollment process is provided at [www.uni-hamburg.de/masterenrollment](http://www.uni-hamburg.de/masterenrollment).

## FAQs

<https://www.math.uni-hamburg.de/en/studium/master/msc-wirtschaftsmathematik/bewerbung.html>

## Contact

Do you have further questions? Please send us an E-Mail to [studium.math@uni-hamburg.de](mailto:studium.math@uni-hamburg.de).

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