



## Contact:

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ulm university universität  
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**STUDY ABROAD  
@ ULM UNIVERSITY**

**Mathematics**



Our BA/MA programs in *Mathematik* (mathematics) provide a solid basis in pure and applied mathematics as well as a minor subject chosen by the student. Possible areas of specialization include (but are not limited to):

Algebra/Number Theory, Classical and Functional Analysis, Financial Mathematics, Numerical Mathematics, Optimization and Operations Research, Stochastics.



Ulm University was the first university in Germany to introduce a program in *Wirtschaftsmathematik* (Mathematics and Management) as early as 1977. For this reason the courses in mathematics, economics and computer science are excellently coordinated with regard to content as well as on an organisational level. This program is characterized by the close connection of theoretic models and practical problems that arise in discussions with our partners in industry. *Wirtschaftsmathematik* in Ulm enjoys an excellent reputation and many of our graduates have got top jobs.



The Bachelor program in *Mathematische Biometrie* is a mathematical program with a focus on biostatistics and was launched in 2008.

One objective of this program is to teach students the skills needed to conduct clinical trials. This requires knowledge from several areas including mathematical statistics, computer science and the life sciences.



The Master program in *Mathematische Biometrie* will be launched in fall 2012.

## Language:

Teaching Language in the programs in *Mathematik*, *Wirtschaftsmathematik* and *Mathematische Biometrie* is German. Students must have sufficient command of German (min. B1) in order to follow classes and take exams. The International Office organizes intensive German language courses prior to the start of each semester in addition to German courses during the semester. Participation in these courses is open to all ERASMUS/EXCHANGE students free of charge.



## English Lectures:

The Master in Finance program provides a unique interdisciplinary education in mathematical finance to students from around the world. The program, which is taught in English, includes courses from financial mathematics, applied mathematics, and finance and insurance, such as:

- Financial Mathematics I, II
- Asset Pricing
- special classes on varying topics in Financial Mathematics (e.g. Stochastic Analysis, Interest Rate Models)
- special classes on varying topics in other mathematical disciplines (e.g. Applied Analysis, Time Series, Survival Analysis)

Please note: only Master level students are admitted to these courses, i.e. students who have either completed a Bachelor degree or at least three years of study or an equivalent of 180 ECTS.

The lectures are also open to Master level students from mathematical programs other than the Master in Finance, in particular to those students seeking a specialisation in the field of mathematical finance.

## The City of Ulm:



- On the river Danube
- A town where medieval traditions meet high-tech industry
- Birthplace of Albert Einstein (\*1879)
- Ulm Cathedral with the world's highest church steeple

- Conveniently located between Stuttgart and Munich
- Best train connections to main European cities
- Nearby airports in Munich, Stuttgart, Friedrichshafen and Memmingen

