An investment in knowledge pays the best interest.

Benjamin Franklin

Faculty of Mathematics and Economics

M. Sc. Master in Finance

4 Faculties: Medicine, Natural Sciences, Mathematics and Economics, Engineering, Computer Sciences and Psychology

more than 50 study programmes

more than 90 institutes

more than 200 Faculty members

2000 academic staff

numerous additional language and soft skills courses

Door to door with businesses and industry

Approx. 10,000 students

Time-tested accompanying support programmes

Ulm – a dynamic city in Germany’s South offering excellent quality of life
Our international finance program...

... is quantitative and practical

... teaches state-of-the-art techniques demanded on the job market and in academia

... offers a flexible curriculum according to your own goals

... allows you to network and connect with students from all over the world

Why Finance in Ulm

“The MSc Finance programme in Ulm has the capacity to equip students with the knowledge and skills necessary for a successful career in the financial industry. The flexible structure and wide range of courses offer numerous directions of specialisation, and an invaluable cultural experience is obtained through studying with colleagues from across the globe.”

Christopher Davis (England), Quantitative Management Associate, Bank of America Merrill Lynch

“What I really like about the Master in Finance program is that it offers courses that cover a wide range of areas in finance and that students are completely free to choose their own study path. The experience I gained during two years I spent in Ulm prepared me in the best possible way for my future career and enabled me to enter a leading-edge company in the area of investment and risk.”

Jovana Zavisin (Serbia), Analyst, risklab GmbH, The Investment and Risk Advisory Experts of AllianzGI Global Solutions

“The MSc Finance at Uni Ulm provides students with a lot of flexibility in designing their own bespoke program in finance. Also, it is a very good opportunity to get to know Germany and German culture and meet people from around the world.”

Natallia Kalashnikova (Russia), ABS Strat, Goldman Sachs

“The Master of Finance program offers classes that are well suited to prepare students for a career in the financial sector, as well as classes that are more research oriented. Due to the various seminars I took during my studies, several group projects and the master’s thesis, I was well prepared for my Ph.D., which I am currently doing at Ulm University as well.”

Mazen Ali (Yemen), PhD student in numerical finance, Ulm University

Advantages for you

- Our program is very quantitative and practical – it makes you stand out from the crowd.
- Digitalization will change the world of finance, but with the MSc Finance, you will be ready for that change.
- The curriculum allows you to customize your studies according to your own interests and goals.
- Many opportunities to network with other students – from both Germany and from many other countries.
- Yearly job fair and contacts to industry partners via our alumni association.
- According to Times Higher Education, Ulm is ranked 16 worldwide among all universities founded in the Golden Age of Higher Education, the era between 1945 and 1967. In the global comparison of all universities regardless of their age, Ulm University is ranked 141.
- Ulm is a beautiful city, lively but safe, with a top rank in terms of personal wellbeing. Close to Europe’s financial centers and easily reachable by public transportation.

Read more testimonials

Watch our video on YouTube
What you can expect

The program is spread over four terms (two years), with three terms of course work and one term to write the master’s thesis. After the first term, students can decide whether to specialize in Financial Mathematics, Financial Economics or Actuarial Science.

Core courses of the first term are Financial Mathematics I and Asset Pricing. Other core courses include Practical Financial Engineering, which is designed to practice the implementation of modern financial techniques, and seminars, in which you will write and present papers and thereby prepare for the master’s thesis. Seminars also make you familiar with current topics such as climate risk.

Courses from mathematics and statistics also constitute an important part of the program. Here you can choose among a wide range of topics, including courses on machine learning.

Some of the courses are fairly theoretical, others focus on applications, and many are in between. In the end, you will be equipped with both the theories and the skills to apply them. For example, you are also trained for GARP’s Financial Risk Manager exam or the professional examination of the German Actuarial Society (DAV).

Below we list a selection of optional courses that are on offer. You can find a complete list on our webpage.

Financial Mathematics
Interest Rate Models, Time Series Analysis, Numerical Finance

Financial Economics and Actuarial Science

Mathematics and Statistics
Introduction to Measure-Theoretic Probability, Markov Chains, Monte Carlo Methods, Risk Theory, Mathematical Introduction to Machine Learning

You are also requested to attend language or cultural courses.

Professional perspectives

Through the program, students will gain a sound understanding of cutting-edge techniques used by financial institutions, consultants, regulators as well as fintechs, i.e., companies that offer new products based on modern technology. Topics of the program include valuation of derivatives, portfolio and risk management, insurance and data analytics. Graduates with a sound training in these areas are sought after on the job market. The program is also an excellent preparation for doctoral studies leading to a PhD.

Among employers, Ulm University has an excellent reputation for well-trained finance students. Many of our graduates work for global financial players (e.g. Bank of America or Allianz). And many of them have found a job in Germany even though they had no knowledge of German when they arrived.
Counselling Services

Academic Counselling Finance
Institute of Finance
Helmholtzstraße 18
89081 Ulm
Phone: +49 (0)731 50-23598
Email: mscfinance@uni-ulm.de
Homepage: http://www.uni-ulm.de/msc_finance

Any questions...?

Should you have further questions concerning your course choice or our information services, please do not hesitate to contact us under

https://www.uni-ulm.de/index.php?id=79989&L=1
### Study plan MSc Finance for Specialization in Financial Mathematics

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### Study plan MSc Finance for Specialization in Financial Economics

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### Study plan MSc Finance for Specialization in Actuarial Science

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Example optional modules:

- **Financial Mathematics**: ■ Interest Rate Models ■ Time Series Analysis ■ Numerical Finance
- **Mathematics**: ■ Introduction to Measure-Theoretic Probability ■ Risk Theory ■ Mathematical Introduction to Machine Learning
- **Financial Economics**: ■ Credit Analysis ■ Advanced Financial Intermediation ■ Investment and Risk Management
- **Actuarial Science**: ■ Life, Health and Pension Mathematics ■ Insurance Economics ■ Risk Management in Insurance

Note: Within the area »Financial Economics« you can also choose courses from Actuarial Science.