



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



Master of Science in Quantitative Economics

Kiel University • Kiel

Overview

Degree	Master of Science (MSc) in Quantitative Economics
Teaching language	<ul style="list-style-type: none">• English
Languages	All courses are held in English.
Programme duration	4 semesters
Beginning	Winter and summer semester
Application deadline	<p>Application period with a Bachelor's degree obtained in Germany via Kiel University:</p> <ul style="list-style-type: none">• 1 June to 1 August for the following winter semester• 1 December to 1 February for the following summer semester <p>Application period with a Bachelor's degree obtained in other countries via uni-assist:</p> <ul style="list-style-type: none">• 1 March to 15 July for the following winter semester• 1 November to 15 January for the following summer semester <p>Effectively, formalities for foreign applicants normally require at least three more months, e.g. visa application, application for scholarships from the DAAD or elsewhere, etc.</p>
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	<p>The Master's programme in Quantitative Economics at Kiel University imparts a broad, sound and critical knowledge of theoretical and applied economics, statistics and econometrics. The main objective of the Master's course is to enable graduates to discuss and interpret the essential concepts and methods used in the economic and econometric sciences, evaluate the main research methods employed in the fields, draw upon the knowledge they have acquired to deal independently with complex situations and develop and implement ideas of their own. Graduates will be able to analyse economic and econometric problems and to conduct empirical investigations displaying a high degree of complexity. In addition, they will possess a critical understanding of the scientific concepts and methods they have learned.</p>

Course Details

Course organisation	<p>The Master's programme is organised in five parts:</p> <ol style="list-style-type: none"> 1. Compulsory Section in Economics (24 ECTS) 2. Compulsory Section in Statistics and Econometrics (36 ECTS) 3. Compulsory Elective Section in Economics (12 ECTS) 4. Compulsory Elective Section in Applied Empirical Methods (18 ECTS) 5. Master's thesis (30 ECTS) <p>During the first three semesters, the core courses in economics, econometrics and statistics are obligatory. The core economic courses are Advanced Microeconomics, Advanced Macroeconomics and Economic Dynamics. The core econometrics courses are Econometric Methods, Time Series Econometrics and Bayesian Econometrics. The core statistic courses are Probability Calculus, Inferential Statistics and Nonparametric Statistics.</p> <p>The second and third semesters offer specialisation courses in Economics and Applied Empirical Methods. In Economics, students can choose from the modules Applied Microeconomics, Macroeconomics & Growth, Financial Economics, International Economics, Spatial Economics, Public Economics and Environmental & Resource Economics. Quantitative specialisation courses to choose from include Panel Econometrics, Macroeconometrics, Multivariate Time Series Analysis and Forecasting, Microeconometrics, Univariate Time Series Analysis, Multivariate Methods, Data Mining, Statistical Computing, Applied Business Cycle Analysis and Forecasting, Labour Econometrics, Spatial Econometrics, Econometrics for Financial Markets, Statistics for Financial Markets, Advanced Time Series Analysis and Portfolio Analysis.</p> <p>The fourth semester is reserved for completion of the Master's thesis.</p> <p>Examination regulations: www.studservice.uni-kiel.de/sta/fachpruefungsordnung-quantitative-economics-master-1-fach-englisch.pdf</p> <p>Modules/Courses description: www.wiso.uni-kiel.de/de/studium/dateien-studienfaecher/modulhandbuecher/module-manual-economics-master-programmes.pdf</p> <p>A wide range of specialised courses offered on a regular basis gives students an insight into many areas of economic research arising through cooperation with the Kiel Institute for the World Economy.</p> <p>Study plan for the Master's in Quantitative Economics:</p>
A Diploma supplement will be issued	Yes
International elements	<p>Kiel University and the Department of Economics offer exchange programmes for spending a semester at a partner university abroad (ERASMUS and direct partnerships with universities worldwide). For students interested in such exchange programmes, we recommend going abroad in the third semester of the programme. The credits from the partner university can be transferred to the programme.</p>
Description of other international elements	<p>Kiel University and the Department of Economics offer exchange programmes for spending a semester at a partner university abroad (ERASMUS and direct partnerships with universities worldwide). For students interested in such exchange programmes, we recommend going abroad in the third semester of the programme. The credits from the partner university can be transferred to the programme.</p>
Course-specific, integrated German language courses	No

Course-specific, integrated
English language courses

No

Costs / Funding

Tuition fees per semester in
EUR

None

Semester contribution

An **enrolment fee** ("Einschreibgebühr") of 55 EUR is charged for the first enrolment at Kiel University. A **semester contribution** ("Semesterbeitrag") currently amounting to 277 EUR must be paid each semester at Kiel University. This covers free public transport ("landesweites Semesterticket") for trains and buses in Schleswig-Holstein and Hamburg, reduced lunch prices, and other benefits for students.

Costs of living

The monthly costs of living in Germany are currently at least 934 EUR per month. Please note that when applying for a visa (from countries requiring a visa) and also later in Germany when extending a residence permit, financial means in the amount of the living costs for one year (11,208 EUR) must be proven.

More information can be found here: www.international.uni-kiel.de/en/advising-activities-services/service-information/visa.

Funding opportunities
within the university

No

Requirements / Registration

Academic admission
requirements

Applicants are expected to hold a **Bachelor's degree** or a comparable university degree (minimum grade 2.5) with a regular duration of university education of three years or more, and with 180 ECTS credit points or more.

In the **180 credit points**, the following needs to be contained:

- **35 credit points** from courses on **principles of economics** (i.e., courses on microeconomic theory and courses on macroeconomic theory), with no overlapping in substance, and from courses on **quantitative methods**, with no overlapping in substance, **of which at least:**
 - **10 credit points** from courses on **micro- and macroeconomics**
 - **8 credit points** from courses on **mathematics**
 - **10 credit points** from courses on **statistics**
 - **4 credit points** from courses on **econometrics**

Applicants with a minimum overall grade of 3.0 may also be eligible to participate in the Master's programme in Quantitative Economics if the weighted average grade (weighted with the credit points) in courses on economics and quantitative methods is at least 2.5.

With regards to content and comparability, an official module manual has to be submitted. In case of unavailability of an official manual, module descriptions approved by the offering institution of higher education are accepted. To avoid unnecessary paper piles, it is also allowed to provide a link to an official online handbook. The module manual needs to be provided either in German or English.

Admission requirements can be found here: <https://www.wiso.uni-kiel.de/en/study/misc/info-inst-econ/application>

and here: <https://www.wiso.uni-kiel.de/en/study/master/quantitative-economics>

We also provide an optional entry-level self test for your own assessment of knowledge that is required in our Master's programmes. Further information can be found [here](#).

Recommended Literature

Please find a list of recommended literature [here](#).

Language requirements	<p>Proof of English language skills by</p> <ul style="list-style-type: none">• C1/CEFR• TOEFL (paper-based test): 550 points or an equivalent test e.g., IELTS 6.5 or TOEFL iBT 79• Bachelor's degree with English as the language of instruction
Application deadline	<p>Application period with a Bachelor's degree obtained in Germany via Kiel University:</p> <ul style="list-style-type: none">• 1 June to 1 August for the following winter semester• 1 December to 1 February for the following summer semester <p>Application period with a Bachelor's degree obtained in other countries via uni-assist:</p> <ul style="list-style-type: none">• 1 March to 15 July for the following winter semester• 1 November to 15 January for the following summer semester <p>Effectively, formalities for foreign applicants normally require at least three more months, e.g. visa application, application for scholarships from the DAAD or elsewhere, etc.</p>
Submit application to	<p>Bachelor's degree obtained in Germany: Kiel University</p> <p>Bachelor's degree obtained in other countries: uni-assist</p> <p>More Information: programme website</p>

Services

Possibility of finding part-time employment	<p>The Department of Economics and the Kiel Institute for the World Economy offer jobs as student assistants. Students can apply for these jobs upon availability.</p>
Accommodation	<p>Please find information on accommodation in Kiel on the following website: www.international.uni-kiel.de/en/advising-activities-services/service-information/accomodation-in-kiel/.</p>
Career advisory service	<p>Career coaching: www.careercenter.uni-kiel.de/de/career-coaching</p> <p>Career Center seminars: www.careercenter.uni-kiel.de/de/seminarangebote/sem-c-c</p>
Support for international students and doctoral candidates	<ul style="list-style-type: none">• Welcome event• Tutors• Cultural and linguistic preparation



Kiel University Interfaces

Kiel University (CAU) uses research, teaching and the transfer of science to address the great challenges of our time in health, environmental and cultural change, technology and energy. In doing so, it ensures peace and preserves livelihoods for future generations.

» more:
https://www.youtube.com/watch?v=WYX_XFd0ROM

Kiel University

Kiel University

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Kiel University (also referred to as the CAU) was founded in 1665. It is Schleswig-Holstein's oldest, largest and best-known university, with 27,000 students and 3,700 staff members. It is also the only full-fledged university in the state. Seven Nobel Prize winners have worked here. The CAU has been successfully taking part in the Excellence Initiative since 2006.

We use research, teaching and the transfer of science to address the great challenges of our time in health, environmental and cultural change, nutrition and energy. In doing so, we ensure peace and preserve livelihoods for future generations. We use responsible actions to make sure that scientific discoveries are transferred into all sectors of our society by interdisciplinary thought – regardless of short-lived trends – where they are incorporated into political, economic and social decisions aimed at securing peace and prosperity.

When it was founded back in 1665, the CAU had the motto “Pax Optima Rerum: peace is the most valuable asset.” This maxim is as applicable today as it was over 350 years ago. We want to follow this key idea and contribute towards creating a peaceful, fair world in which everyone lives freely and comfortably. We aim to create a world in which treating the environment with respect also enables future generations to enjoy the same benefits.

CAU's mission:

Our mission is to deliver research and teaching that contribute to peace, prosperity and maintaining a pluralistic, free society as well as address the challenges we are facing. Our strong disciplines carry out this mission. The fulfilment of this mission requires interdisciplinary collaboration and involves transdisciplinary issues. We find solutions to today's pressing problems and implement these solutions together with stakeholders from society, industry and politics.

Teaching profile:

We are dedicated to research-based teaching and learning. Therefore, the development of new teaching approaches is evolving constantly at the interfaces between research from the different scientific disciplines. Students from all over the world benefit from this: research results are quickly integrated into programme curricula and our academic staff is trained in state-of-the-art teaching methods.

Research profile:

The CAU is Schleswig-Holstein's only full-fledged university with a major focus on research. Over time, four dynamic priority research areas have systematically developed. These are based on strong disciplines interacting together – Marine Science, Life Science, Societal and

Cultural Change, and Nano Surface and Interface Science. Each individual research area makes a substantial contribution towards dealing with at least one of the grand challenges of our time.

Transfer profile:

A university is not an island. It is an entity that impacts on, with and for society in a number of ways, by offering space for new ideas, passing on knowledge and values, and enabling debates about controversial subjects. Universities train specialists, produce innovative products and start-ups, help companies to develop further and assist politics by giving advice and warnings. The CAU encompasses top quality, innovative science, a sense of responsibility and the transfer of knowledge. We advocate for the university's active role in society and aim to work closely together with the community to be the driving force behind regional, national and international development by looking for and finding pioneering solutions for our most pressing issues. This is the reason why we maintain a variety of active connections with our partners in science, industry, politics and society.

[Read more about our profiles.](#)



University location

The city of Kiel is located directly on the Baltic Sea coast and is the capital of the northernmost German federal state, Schleswig-Holstein. Famous for its sailing tradition, Kiel has hosted two Olympic sailing competitions. The city's annual "Kiel Week" is the world's largest sailing event and one of the biggest cultural festivals in northern Europe. Kiel's international flair is enhanced by its port, where Scandinavian ferries dock next to cruise liners and historic ships. Those who enjoy going out will benefit from the city's lively cultural life as well as the many clubs and bars to be found between the campus and the city centre. Kiel is a strong centre of science and research. Our students benefit from studying by the sea in a city that offers short distances and a wide range of leisure facilities by the waterside. It takes less than 20 minutes to get from the lecture hall to the beach. A fresh breeze on your face and the right books on hand create a great atmosphere for learning. The social conditions for studying in Kiel are excellent. Freshmen receive a welcome payment of 100 EUR when they come to Kiel to commence their undergraduate studies. Here, they have the opportunity to live in one of the many halls of residence, which are reasonably priced and situated close to the universities. In our bicycle-friendly city, not only the universities but also other inner-city locations can be reached conveniently by bike. The new scientific generation represents the most important resource for making Kiel, the state capital, fit for the future.

www.kiel.de.

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🌐 Course website: <https://www.wiso.uni-kiel.de/en/study/master/quantitative-economics>

📘 <https://www.facebook.com/kieluni>

🐦 <https://twitter.com/kieluni>

🌐 <https://www.linkedin.com/school/kieluni/>

📷 <https://www.instagram.com/kieluni/>

📺 <https://www.youtube.com/kieluni/>

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www.gate-germany.de

Disclaimer

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