



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



Table of Contents

Master's degree	2
Materials Science and Engineering (MSc) • Kiel University • Kiel	2

Master's degree



Materials Science and Engineering (MSc)

Kiel University • Kiel

Overview

Degree	Master of Science (MSc) in Materials Science and Engineering
Teaching language	<ul style="list-style-type: none">English
Languages	All courses are taught in English.
Programme duration	4 semesters
Beginning	Winter semester
Application deadline	<p>We accept applications from 20 January to 16 February 2025 for the following winter semester.</p> <p>Please inform yourself as early as possible about which application documents are required from you by the application deadline, e.g. language certificates, translations of official documents, APS certificates (in individual cases) etc.</p> <p>Please have a closer look here: https://www.tf.uni-kiel.de/matwis/kielmat/en/programs/mse/application/documents.</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 two-year course in Materials Science and Engineering at Kiel is directed towards functional materials which have properties that are particularly suited for use in sensor technology, smart materials, microelectronics, energy technology, optics or nanotechnology and many other applications. Basic research, material development, analysis and process engineering are combined with subjects such as economic viability and environmental issues to form a modern technical engineering course. The programme in Materials Science and Engineering is based on modern educational units, which comprise theoretical and lab training, provided by highly-qualified and internationally renowned researchers.</p> <p>German language courses are offered at various levels as an optional part of the programme.</p> <p>The programme is designed for research and development in the field of modern functional materials. The combination of detailed natural and engineering science in consideration of economical and ecological conditions is our highly ambitious aim. The thesis can be completed within the faculty with state-of-the-art equipment. Students can complete the thesis in our</p>

affiliated research centres or in industry.

Course Details

Course organisation

During the first and second semesters of the study course, the students gain a thorough understanding of the various subject-related disciplines, like solid state physics, analytics, mathematics, etc., which prepares them for the third semester. During the third semester, instruction focuses on specialisations by various elective modules. At the end of each semester, written and oral exams are taken on course content. These can be completed within the faculty with state of the art equipment. Language courses for improving writing and comprehensive skills in the German language are offered at the university.

On successful completion of the first three semesters, the Master's thesis is written during the fourth semester in English. Students are carefully advised on the writing of the thesis, which deals with solving a particular problem in the student's field. It can be completed within the faculty, but can also be carried out in other institutions (e.g. Fraunhofer Institute for Silicon Technology) or research centres (e.g. Helmholtz-Zentrum Hereon) upon arrangement with the board of examiners. The programme includes the opportunity to join the PhD programme with a teaching assistantship upon graduation.

[» PDF Download](#)

A Diploma supplement will be issued

Yes

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 269 EUR must be paid each semester. This covers free public transport ("landesweites Semesterticket") for trains and buses in Schleswig-Holstein and Hamburg, reduced lunch prices, a culture ticket 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/incomings/planning-arrival-and-stay/visa.

Funding opportunities within the university

No

Requirements / Registration

Academic admission requirements

<https://www.tf.uni-kiel.de/matwis/kielmat/en/programs/mse/requirements>

Language requirements

You will need to **prove your English language skills (B2)** with a certified test. For further information:

<https://www.tf.uni-kiel.de/matwis/kielmat/en/programs/mse/requirements/language-1>

Application deadline

We accept applications from 20 January to 16 February 2025 for the following winter semester.

Please inform yourself as early as possible about which application documents are required from you by the application deadline, e.g. language certificates, translations of official documents, APS certificates (in individual cases) etc.

Please have a closer look here: <https://www.tf.uni-kiel.de/matwis/kielmat/en/programs/mse/application/documents>.

Submit application to

<https://apprise.tf.uni-kiel.de/>

Further information here: www.kielmat.com

Services

Accommodation

Please find information on accommodation in Kiel on the following website: www.international.uni-kiel.de/en/incomings/planning-arrival-and-stay/accomodation.

Support for international students and doctoral candidates

- Welcome event
- Tutors
- Buddy programme

Our Partners



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

© Marvin Radke – standbildtechniker.de

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. 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

Contact

Kiel University
Faculty of Engineering

Kaiserstr. 2
24143 Kiel

✉ kielmat@tf.uni-kiel.de
🌐 Course website: <https://www.tf.uni-kiel.de/matwis/kielmat/en>

📘 <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/>

Last update 27.12.2024 07:19:23

International Programmes in Germany - Database

www.daad.de/international-programmes
www.daad.de/sommerkurse

Editor

DAAD - Deutscher Akademischer Austauschdienst e.V.
German Academic Exchange Service
Section K23 – Information on Studying in Germany
Kennedyallee 50
D-53175 Bonn
www.daad.de

GATE-Germany

Consortium for International Higher Education Marketing
www.gate-germany.de

Disclaimer

The data used for this database was collected and analysed in good faith and with due diligence. The DAAD and the Content5 AG accept no liability for the correctness of the data contained in the "International Programmes in Germany" and "Language and Short Courses in Germany".

The publication is funded by the German Federal Ministry of Education and Research and by contributions of the participating German institutions of higher education.



Federal Ministry
of Education
and Research