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Master of Science in Dairy Science • Kiel University • Kiel ......................................................... 2
# Master's degree

**Master of Science in Dairy Science**

*Kiel University • Kiel*

## Overview

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<tr>
<th>Degree</th>
<th>Master of Science (MSc) in Dairy Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching language</td>
<td>English</td>
</tr>
<tr>
<td>Languages</td>
<td>Compulsory courses are held in English (100%). Elective courses can be chosen out of a catalogue of courses held in English. Alternatively, participants can also add elective courses in German language to their curriculum. The Master’s thesis is written in the English language.</td>
</tr>
<tr>
<td>Programme duration</td>
<td>4 semesters</td>
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<tr>
<td>Beginning</td>
<td>Winter semester</td>
</tr>
<tr>
<td>Application deadline</td>
<td>30 April for the following winter semester</td>
</tr>
<tr>
<td>Tuition fees per semester in EUR</td>
<td>None</td>
</tr>
<tr>
<td>Combined Master's degree / PhD programme</td>
<td>No</td>
</tr>
<tr>
<td>Joint degree / double degree programme</td>
<td>No</td>
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## Description/content

The Master’s programme "Dairy Science" focuses on the interdisciplinary aspects of on-farm milk production, dairy economics, and the processing of dairy food and products. The study programme imparts the most current scientific knowledge in dairy production, including economics, breeding, feed, biochemistry of animal nutrition, animal welfare and health, milking technology, eco-efficiency, processing and quality of dairy products, and it conveys methodological skills to teach students to work scientifically and systematically. Students will strengthen their competences in the field of dairy science and acquire skills in analytical understanding of the entire dairy production process chain.

The Dairy Science study programme is intended for students who hold a Bachelor's degree in agriculture or in a related field and have an interest in a consecutive, multidisciplinary qualification with focus on milk production. The programme includes relevant topics from several disciplines of the Faculty of Agricultural and Nutritional Sciences such as plant production, animal science, human nutrition, and economics. The programme did replace our attractive former certificate on dairy science, now with a new structure and fresh content, it will encompass an international Master's degree. Classes will be held in English and are open for students from all over the world with an interest in dairy science.
Course Details

Course organisation

The study programme comprises mandatory modules during the first two semesters, elective modules during the third semester, and a Master’s thesis and seminar during the fourth semester. The standard period of study is four semesters. Courses encompass lectures, seminars, exercises, practical exercises, and excursions.

Mandatory modules:

- AEF-ds001 Dairy Economics: Production and Processing (lecture and seminar)
- AEF-ds002 Eco-Efficiency of Dairy Systems (lecture, seminar, and exercise)
- AEF-ds003 Health Management in Dairy Herds (lecture and exercise)
- AEF-ds004 Dairy Processing and Quality (lecture)
- AEF-ds005 Dairy Cattle Breeding (lecture and seminar)
- AEF-ds006 Forage Quality and Conservation (lecture, seminar, and exercise)
- AEF-ds007 Machine Milking (lecture, seminar, and practical exercise)
- AEF-ds008 Animal Behaviour and Welfare (lecture, seminar, and practical exercise)
- AEF-ds009 Ruminant Nutrition and Biochemistry (lecture)
- AEF-ds010 Biometrical Planning and Inference (lecture and exercise)
- AEF-ds011 Scientific Methods and Standards (seminar)

Types of assessment

Oral and written examinations, presentations and seminar contributions

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") currently amounting to 55 EUR is charged for the first enrolment at Kiel University.

A semester contribution ("Semesterbeitrag") currently amounting to 264 EUR must be paid each semester. This covers free public transport ("Semesterticket"), reduced lunch prices, and other financial benefits for students.

See: https://www.international.uni-kiel.de/en/application-admission

Costs of living

Approx. 800 EUR per month to cover personal expenses

Funding opportunities within the university

No

Requirements / Registration
Academic Admission Requirements

A Bachelor's degree (BSc) with a grade "good" (German grading at least 2.5) or higher in agricultural science or equivalent academic and examination achievements in related disciplines with particular relevance to dairy science. The Bachelor's degree will be the basis for your application to this Master's degree programme.

Language requirements

As all courses are held in English, a good level of English (written and spoken) is mandatory. Students whose first language is not English must provide evidence of proficiency in English. Accepted as proof for language proficiency are the following:

- TOEFL® ITP (Paper-based test): 580 points
- TOEFL® iBT (Internet-based test): 90 points
- IELTS 6.5 points, no band less than 6.0
- Cambridge Certificate in Advanced English
- equivalent certificate (i.e., CEFR - C1)

Application deadline

30 April for the following winter semester

Submit application to

Applications must be submitted through our online application portal, available at: http://www.agrar.uni-kiel.de/de/studium/studieninteressierte-schueler/studiengaenge/seiten-dairy-science/application-procedure-and-admission

Services

Accommodation

Accommodation in Kiel is available through the office for student affairs ("Studentenwerk Schleswig-Holstein") or on the private market. Looking for a place to stay in a foreign country is not always easy. The office for student affairs supports students seeking accommodation at reasonable prices and is continually improving the quality and standard of the residence halls.

In general, the chances of obtaining a room in a residence hall can be improved by submitting an application form before 15 June. The rent depends on the location and standard of the particular residence.

Please note that due to the high demand for accommodation in Kiel, the office for student affairs can currently only assign rooms in residence halls to first-semester students (Bachelor’s/Master’s students). PhD students cannot be assigned rooms.

For information and to contact us, see: www.studentenwerk.sh/en/

"Doc Pilots": our support service for doctoral candidates

Do you need help finding accommodation? Do you need support in dealing with the city administration, banks and insurances? Are you looking for a contact person? Our "Doc Pilots" are happy to help you: www.graduiertenzentrum.uni-kiel.de/en/docs-build-bridges/doc-pilots.

Kiel University

Kiel University (also referred to as the CAU) was founded back in 1665. It is Schleswig-Holstein's oldest, largest and best-known university, with 27,000 students and around 3,000 members of staff. It is also the only fully-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.

Kiel University uses 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, it ensures peace and preserves livelihoods for future generations. The CAU uses 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 following motto: “Pax Optima Rerum: peace is the most valuable asset.” This maxim is as applicable today as it was over 350 years ago. The university wants to follow this key idea and contribute towards creating a peaceful, fair world in which everyone lives freely and comfortably. A world in which treating the environment with respect also enables future generations to enjoy the same benefits.

The mission of the CAU:
The mission of the CAU is to provide research and teaching that contribute to peace, prosperity and maintaining a pluralistic, free society, and that addresses the challenges we are facing. They require interdisciplinary collaboration. And they deal with transdisciplinary issues. We find solutions to today’s pressing problems and implement these together with stakeholders from society, industry and politics.

Teaching profile
Kiel University is 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 fully-fledged university with a major focus on research. Over time, four dynamic priority research areas have systematically developed which are based on strong disciplines interacting together – Marine Science, Life Science, Societal and Cultural Change, and Nano Surface & Interface Science. Each individual research area makes a substantial contribution towards dealing with at least one of the grand challenges of our time.

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. In the most bicycle-friendly city in northern Germany, 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. See: www.kiel.de.
Contact

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Last update 01.03.2020 10:45:07
International Programmes in Germany - Database

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