



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



Master of Science in Laboratory Animal Science

RWTH Aachen University • Aachen

Overview

Degree	Master of Science in Laboratory Animal Science
Teaching language	<ul style="list-style-type: none">English
Languages	The courses are held in English.
Full-time / part-time	<ul style="list-style-type: none">part-time (study alongside work)
Mode of study	Hybrid
Programme duration	4 semesters
Beginning	Winter semester
Application deadline	15 July
Tuition fees per semester in EUR	6,650 EUR
Additional information on tuition fees	<p>The tuition fees are 6,650 EUR per semester (26,600 EUR in total, four-semester regular study period). The fees do not include accommodation and travel costs but do include all of the documentation and catering during the on-site learning days.</p> <p>Early booking discounts apply.</p>
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	<p>The MSc Laboratory Animal Science is a FELASA accredited, two-year, career-accompanying study course.</p> <p>In the first three semesters, three compulsory thematic blocks (55 ECTS) are taught:</p> <ul style="list-style-type: none">ethics and legislation in relation to the use of laboratory animalsmanagement and planning of animal facilities and animal experimentslaboratory animal science

Additionally, during the first three semesters, an elective course (5 ECTS) has to be completed. The elective modules are:

- In vivo Pharmacology and Applied Toxicology
- Applied Anaesthesia and Microsurgery, including Medical Technology and Imaging

In the first three semesters, online seminars will be held outside of regular office hours twice a week. These online seminars are supported by an e-media skills lab and further complemented by literature reviews and homework.

At the end of each of these semesters, there is a compulsory 10-day attendance block in Aachen, Germany, during which skill training is performed in the Aachen University Hospital's facilities, group discussions are held, and case studies are conducted.

The fourth semester is dedicated to the completion of a scientific Master's thesis (30 ECTS). The thesis can be literature-based or based upon experimental data generated.

Graduates of the MSc Laboratory Animal Science will be able to:

- take on leading roles dealing with laboratory animal science, animal housing facilities, and animal welfare bodies
- apply special knowledge using the latest methodology and generate scientific data to the highest standards
- independently plan, conduct, evaluate, and improve animal experiments

In addition to the Master of Science degree from RWTH Aachen University, graduates will receive the FELASA certificate for specialists in laboratory animal science (LAS) (including EU functions A, B, & D)

Course Details

Course organisation

Modules in the first three semesters:

- Module 1: Ethics and Philosophy; National and International Law
- Module 2: Regulatory Affairs
- Module 3: Biostatistics and Biometrics; Design and Evaluation of Animal Experiments; Architecture and Facility Design, Financial, Hygiene, and Quality Management
- Module 4: Replacement, Supplementation, and Alternatives to Animal Experiments
- Module 5: Genetics and Breeding; Anatomy and Physiology
- Module 6: Pathology and Diseases; Biochemistry, Haematology, and Molecular Biology in Biomedicine
- Module 7: Animal Models in Biomedical Research; Anaesthesia and Experimental Surgery

Elective modules:

- Module 8: Applied Anaesthesia and Microsurgery; Medical Technology and Imaging
- Module 9: In vivo Pharmacology and Applied Toxicology

Fourth semester:

- Module 10: Master's thesis and colloquium

A Diploma supplement will be issued

Yes

Certificates for specific modules are awarded

Yes

International elements

- Courses are led with foreign partners

	<ul style="list-style-type: none"> • International guest lecturers
Course-specific, integrated German language courses	No
Course-specific, integrated English language courses	No

Online learning

Pace of course	Mixed (e.g. fixed exam dates and duration, study content can be studied at any time)
Phase(s) of attendance in Germany (applies to the entire programme)	Yes, compulsory
Types of online learning elements	<ul style="list-style-type: none"> • Online sessions

Costs / Funding

Tuition fees per semester in EUR	6,650 EUR
Additional information on tuition fees	<p>The tuition fees are 6,650 EUR per semester (26,600 EUR in total, four-semester regular study period). The fees do not include accommodation and travel costs but do include all of the documentation and catering during the on-site learning days.</p> <p>Early booking discounts apply.</p>
Semester contribution	<p>The semester fee of RWTH Aachen University is approx. 320 EUR per semester (includes the semester ticket for public transport within the whole state of North Rhine-Westphalia, part of Belgium and part of the Netherlands) and is unrelated to RWTH International Academy's fees.</p> <p>Please visit: aachen.de/re-enrollment/?lidx=1</p>
Funding opportunities within the university	Yes
Description of the above-mentioned funding opportunities within the university	<p>A limited number of scholarships from various organisations are available to help students finance their studies. Please see the following website for a list of exchange programmes, scholarships, and grants as well as specific application requirements and conditions. Alternatively, students can contact the International Academy directly for advice and assistance.</p> <p>http://www.rwth-aachen.de/scholarships</p> <p>Scholarships – MSc Laboratory Animal Science (master-laboratory-animal-science.com)</p>

Requirements / Registration

Academic admission requirements

Entry requirements:

- Legal certification as a scientist, physician, veterinarian, or an equivalent qualification
- Sufficient relevant work experience
- Proof of English language skills

For the admission procedure the following documents are required:

1. University degree certificate and transcript of records
2. Curriculum vitae and motivation letter
3. Proof of working experience in the field of laboratory animal sciences
4. Proof of English language qualification (level B2, see below for details)

Language requirements

English language skills: If you are not a native speaker or have not received your initial degree from an English language-based university, proof of ability will be required, e.g.:

- TOEFL Internet-based: minimum score of 90
- IELTS: minimum score of 5.5
- Cambridge Test - Certificate of Advanced English
- First Certificate in English (FCE) with a result of at least B / documentation in accordance with the Common European Framework of Reference for Languages (CEFR, German: GER) that demonstrates proficiency at level B2. For example, proof of proficiency can be demonstrated by submission of the German school leaving qualification, "Abitur", stating that the applicant continually attended English lessons up to the end of qualification phase 1 (year 11 in the G8 "Abitur" system, otherwise year 12) and achieved a minimum grade of "satisfactory".
- placement test of the RWTH Aachen University Language Center, level B2

Application deadline

15 July

Submit application to

The application process is **100% digital** – there is no need to send us any paper copies by mail!

Please submit your application and all of the necessary documents via [RWTH Online!](#)

Services

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🌐 Course website: <https://bit.ly/4aNLdkO>

📘 <https://www.facebook.com/RWTHInternationalAcademy>

🐦 <https://twitter.com/rwthmedicalprog>

🌐 <https://www.linkedin.com/company/5098865/>

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

Last update 06.07.2024 23:19:16

International Programmes in Germany - Database

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Disclaimer

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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.



Federal Ministry
of Education
and Research