Photo: MLU / Matthias Ritzmann

About Halle

About Halle and the University

With a population of almost 240,000, Halle is one of the largest cities in Central Germany. The small metropolis on the Saale river offers a versatile mixture of art, culture, gastronomy and recreation. Numerous national institutions are also headquartered in Halle. The Leipzig-Halle international airport is only 15 minutes away by train or car. It takes just over an hour to get to Berlin.

Martin Luther University Halle-Wittenberg, founded in 1502, is one of the oldest universities in Germany and, with around 20,000 students, the largest in the federal state of Saxony-Anhalt. We rely on modern laboratory equipment as well as extensive support of our students by many professors and employees. With more than 260 programmes on offer in different areas of study, there is a suitable subject for everyone.

Additional information

Tuition fee: none
Semester fee: about 240 Euro

The scholarship *Deutschlandstipendium* offered by Halle University is available for national and international students. Please check its conditions and application at: *www.uni-halle.de/deutschland-stipendium*.

Furthermore, the German Academic Exchange Service DAAD (www.daad.de) offers scholarships especially for master students. Make sure to apply for a scholarship before entering Germany.

Language courses: We deeply recommend to attend an intensive German language course before you start the master's programme. So it will be easier to manage your daily life in Germany.

Please contact Goethe Institute in your home country or the Institute for German Language and Culture at our University (*www.sprache.uni-halle.de*). During your studies we organize further language classes which have to be paid by yourselves.

Further information about accommodation, health insurance or cost of living are available at *www.uni-halle.de/first-steps*.

Programme advisor/Project coordinator

Prof Dr Ralf Bernd Klösgen
Institute of Biology
E-Mail: klosgen@pflanzenphys.uni-halle.de

PD Dr Ulrich Arnold
Institute of Biology
E-Mail: pruefungsamt@biologie.uni-halle.de

→ *www.biologie.uni-halle.de/pruefungsamt*

General student guidance

E-Mail: ssc@uni-halle.de
Office hours: mo - thu 10 am - 4 pm, fr 10 am - 1 pm
Location: Studierenden-Service-Center (SSC),
Universitätsplatz 11 → Löwengebäude,
06108 Halle (Saale), Germany

We recommend making an appointment in advance.

International students section

Kati Gaudig
E-Mail: kati.gaudig@verwaltung.uni-halle.de
Location: Studierenden-Service-Center (SSC),
Universitätsplatz 11 → Löwengebäude,
06108 Halle (Saale), Germany

Postal address:
Martin-Luther-Universität Halle-Wittenberg
06099 Halle (Saale)
Germany

→ *www.uni-halle.de/international-students*
→ *www.uni-halle.de/apply*

Publisher's note

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For latest news and further details see
www.uni-halle.de/+mcbsm

Molecular and Cellular Biosciences

Master

Master of Science 120 CP
International master's programme

Effective: May 2020 | Photo: MLU / Marco Fischer

MARTIN-LUTHER-UNIVERSITÄT
HALLE-WITTENBERG

Programme at a glance

Faculty of Natural Sciences 1 – Biosciences

Institute of Biology

Programme type: One-subject Master with 120 CP

Degree: Master of Science (MSc)

Standard period of study: 4 semesters

Start: Winter semester and Summer semester

Language of instruction and examinations: English

Subject-specific requirements: yes

The study programme has not yet been accredited.
(The accreditation is currently in preparation.)

Programme aims

The international master's programme *Molecular and Cellular Biosciences* aims at providing a broad theoretical and methodological understanding of cellular functions at the molecular level, enabling students to acquire a comprehensive knowledge in one or more areas of molecular and cellular biology.

The study programme is designed to broaden and develop the students' ability to work systematically and scientifically, and to train logic-based analytical thinking in order to enable them to carry out scientific research independently in the molecular biosciences.

Students will acquire knowledge in recognizing and identifying scientific problems, developing structured approaches to address these scientific problems, to solve key questions experimentally and ultimately expand our knowledge of the subject area. In a collaborative and problem-oriented manner, students will be trained in working as a team with colleagues from different disciplines and to apply basic knowledge in a practical way.

Molecular and Cellular Biosciences is strongly research-oriented and both courses and examinations are held in English.

Career opportunities

MSc Molecular and Cellular Biosciences qualifies for positions in the following fields:

- university research
- PhD positions
- research-oriented institutes
- industry
- production
- administration
- diagnostics
- public service

Admission requirements

Applicants for the intenational master's programme must

- hold a bachelor's degree or equivalent degree in a bioscience-oriented study programme and
- prove good knowledge of written and spoken English.

English language proficiency must be proven via a language certificate (Unicert II, TOEFL, IELTS, Cambridge Certificate, German Abitur or an equivalent internationally recognised language certificate) attesting **level B2** according to the Common European Framework of Reference for Languages (CEFR). English language proficiency is deemed to be proven if the first degree was obtained in an English-taught study programme.

Comprehensive knowledge of molecular biology, biochemistry, genetics and physiology is fundamental. Furthermore, basic knowledge in the basic scientific subjects of chemistry, physics and mathematics is essential. Recognition is decided by the Selection Committee, which can impose conditions if necessary.

Application

The admission to MSc *Molecular and Cellular Biosciences 120 CP* is currently **restricted (Uni-NC)**.

- Applicants who obtained their bachelor's degree (or equivalent) in Germany must apply via *www.uni-halle.de/bewerben* until **15 July (**for winter semester) or **31 January** (for summer semester).
- Applicants who obtained their bachelor's degree (or equivalent) abroad must apply via *www.uni-assist.de/en* until **30 April** (for winter semester) or **31 October** (for summer semester).

Halle University reconsiders its admission policy every winter semester and determines whether admission to a study programme is restricted (Uni-NC) or free (no NC).
From **May** each year, the current decision is published at:
www.uni-halle.de/+mcbsm

Applicants who are only able to submit the bachelor's degree (or equivalent degree) certificate after the application deadline, might apply with a provisional graduation certificate, respectively the semesters' transcripts (i.e., the overview of modules and grades with at least 2/3 of the overall performance to be achieved in the studies). The final graduation certificate should be submitted with the enrolment at university, for enrolment for the winter semester, however, not later than 31 January of the following year, for summer semester not later than 31 July of the year.

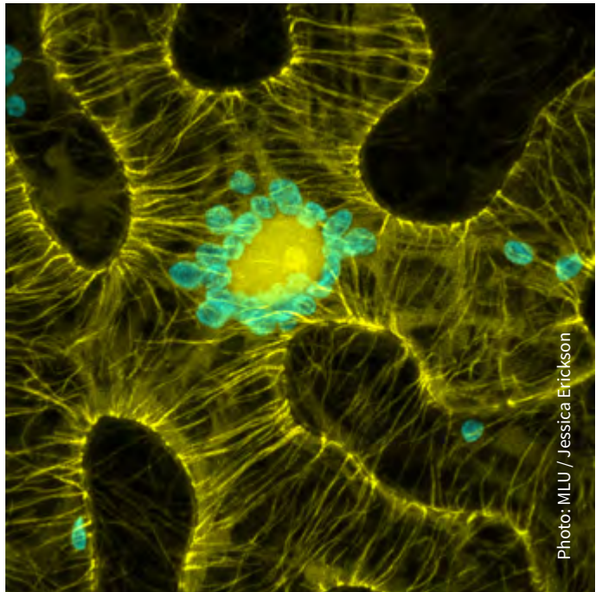

Photo: MLU / Jessica Erickson

Modules

The programme covers all aspects relevant for the research and the solution of bioscience-related issues. The curriculum is organised in a way that students are able to graduate from the programme within the regular period of study of 4 semesters.

Module	CP	recom. sem.
Compulsory modules (75 CP)		
Fundamentals in Biosciences (introductory)	15	1
Research internship (advanced)	15	2 or 3
Project study (advanced)	15	3
Research project module (Master thesis)	30	4
Elective B1 - offered by the Institute (at least 30 CP)		
Developmental Biology	15	1 or 2
Molecular Animal Physiology	15	1 or 2
Molecular Genetics of Root Nodulation Symbiosis	15	1 or 2
Molecular Mechanisms in Developmental Genetics	15	1 or 2
Molecular Microbiology	15	1 or 2
Molecular Physiology of Microorganisms	15	1 or 2
Molecular Phytopathology and Plant Immunity	15	1 or 2
Molecular Plant Physiology	15	1 or 2
Elective B2 - offered by other Institutes (maximum of 15 CP)		
Molecular Physiology of Plant Nutrition and Crop Yield	15	1 or 2
Nucleic Acid Biochemistry	15	1 or 2
Plant Biochemistry	15	1 or 2
Cell Biochemistry and Virology	15	1 or 2

The content, learning objectives, workload, requirements and prerequisites of specific modules are published in the module catalogue (in English and German) and the *study and examination regulations* (in German only).