

International Master-Program

The University of Veterinary Medicine Hannover Foundation (Tierärztliche Hochschule Hannover, TiHo) offers a research-oriented Master of Science Program (MSc) in “Animal Biology and Biomedical Sciences” for German and foreign students.

It aims at students with a BSc degree in Biology, Biochemistry, Biomedicine or related subjects.

The program about four semesters (two years) is grouped into three specialist areas focusing on

- Evolution, Biodiversity and Behaviour;
- Cellular, developmental and systems neurobiology;
- Infection Biology.

These main topics present an interesting combination of biology and biomedical sciences and research. Many institutes of our university are involved in this study program, which are in this combination unique for biological faculties.

The lecturers refer their lessons to their own current topics of research. So the students very early take part at hands-on experiences. Who want to work in biological research or add a doctorate degree or PhD is right here!

Our program is international, so the teaching language is mostly English, but in some cases you need German. Good knowledge of both languages are important!

Semester fees:

For every semester (term) you have to pay 500,- Euro plus about 270,- Euro for administration and ticket for public transport.

Curriculum

The MSc program "Animal Biology and Biomedical Sciences" has a length of four semesters (two years). The workload for the whole study is 120 credit points and consists in lectures, practical courses, seminars and home work.

The structure of the program is modular. You have the possibility to specialize on one of these main topics:

- Evolution, biodiversity and behaviour;
- Cellular, developmental and systems neurobiology;
- Infection biology.

During the first semester, all three areas will be covered. In the second semester, you will select five courses about three weeks of your choice from at least two of the three themes (see module catalog). The second year (semesters 3 + 4), your studies will focus on just one of these tracks, in which you will make the master thesis.

The teaching language is mostly English, but in some cases you need German. Good knowledges of both languages are important!

Structure

C = compulsory; CV = compulsory vote	Workload in hours	CP
1st semester (winter semester)		
Lectures Evolution, Biodiversity and Behavior (C)	180	6
Lectures Cellular, Developmental and Neurobiology (C)	180	6
Ringvorlesung Infektionsbiologie (C)	180	6
Animal welfare (C)	150	6
Key qualifications (C)	90	2
Biometry and experimental design (lectures and practical course) (C)	120	4
Sum	900	30
Internship in spring break (optional)		
2nd semester (summer semester)		
Intensiv courses (5 modules out of 2 or 3 main topics: practical course 2 weeks full-time plus 1 week home work, groups of max. 10 students)		
Main topic Evolution, biodiversity and behavior (CV)	per 180	per 6
Main topic Cellular, developmental and neurobiology (CV)	per 180	per 6
Main topic Infektionbiologie (CV)	per 180	per 6
Sum	900	30
Internship in summer break (optional)		
3rd semester (winter semester)		
Research weeks: Selection of two modules, each 7 weeks fulltime (CV)	per 450	per 15
Sum	900	30
Internship in spring break (optional)		
4th semester (summer semester)		
preparation of master thesis and disputation (CV)	max. 6 month	30
Sum		120

Admission

The MSc Program " Animal Biology and Biomedical Sciences" aims at students with a BSc degree in **biology, biochemistry, biomedicine or related subjects**.

Every year the study starts in October (winter term), the deadline for application is 15th of July.

You meet following conditions:

- BSc degree in biology, biochemistry, biomedicine or related subjects
- BSc degree with a final grade of 2,5 (german marks, up to grade A or B) or better
- If final grade is 2,5-2,8 you need a certification about practical experiences in biological areas (i.e. apprenticeship, professional practice) with a duration of at least 8 weeks
- Certification about knowledges of English and German language, when your are not native speaker

Admission procedure:

There are 20 study places each study year. The students are selected by a special process.

75% of the places are award by a ranking scale of the final grade of the BSc-degree. For the other places the applicants are invited to an interview. Applicants who get not a place in the first round, will keep on the waiting list for later acceptance if places are free.

Semester fees:

For every semester (term) you have to pay 500,- Euro plus about 270,- Euro for administration and ticket for public transport.

Application

For application we need:

- Letter of application with information about your motivation for our study program
- Completely filled [application form \(Word-file\)](#) with information to your person and your scientific education
- CV with new photograph
- [Reference to application \(Word-file\)](#) of a professor in your Bachelor study
- Certificates (Bachelor incl. Diploma Supplement, notarized copies)
- If applicable, certificates about practical experiences or apprenticeship (notarized copies)
- Certificates about knowledges in English and german langages, if your are not a native speaker (notarized copies)
- Other certificates about relevant special qualifications and experiences

Important: all certificates have been in English or German. Otherwise we need a notarized translation in one of these languages!

Deadline is 15th of July each year!