

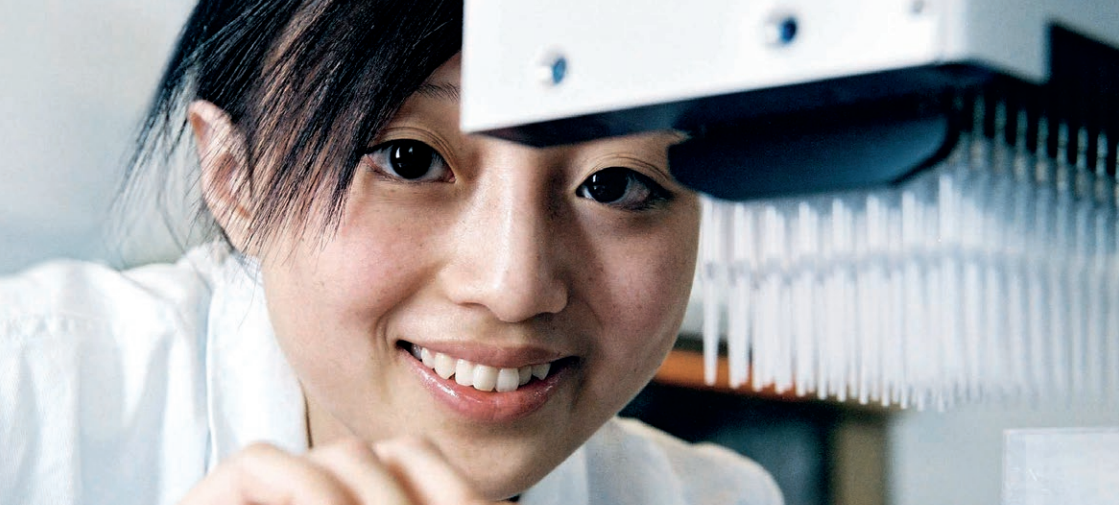


JACOBS
UNIVERSITY

STUDY IN
GERMANY

MEDICAL NATURAL SCIENCES (BSc)

PREPARATORY STUDY PROGRAM



THE PROGRAM

MEDICAL NATURAL SCIENCES (BSc)

The preparatory study program Medical Natural Sciences (MedNat) combines natural sciences, life sciences, and medicine. Designed to prepare students to enter a German medical school, students also learn German at least up to advanced B2 level in the three years of study. A Bachelor of Science (BSc) will be awarded upon successful completion of the program.

The foundations of MedNat in the natural sciences are laid in science modules, comprising a series of lectures in disciplines such as chemistry and physics with two corresponding lab courses. Three specialized modules introduce the basic concepts of medicine and life sciences. Next to intensive language classes, the German modules offer seminars on Germany and its regions, the German healthcare system, and preparation for the transition to German medical schools.

At medical faculties in German state universities, a certain fraction of students are chosen from outside the European Union, which makes Medical Natural Sciences especially interesting for applicants from non-EU countries.

The MedNat major prepares prospective students of medicine in the best possible way to fulfill the prerequisites and gain the skills that are required to enroll and successfully study medicine at a German university.

The MedNat program is part of the focus area Health at Jacobs University.

THE MODULES

INTENSIVE GERMAN MODULES I-III

- German I-VI
- Germany and its regions
- The German healthcare system
- Transition into medical school

FOUNDATIONS IN NATURAL SCIENCE MODULE

- Foundations in Organic Chemistry with Laboratory Course
- Foundations in Physics with Laboratory Course

FOUNDATIONS IN MEDICINE MODULES I-III

- Biology/Physiology with Laboratory Course
- Anatomy with Anatomy/Physiology Laboratory Course
- Microbes and Infection with Laboratory Course Microbiology
- Immunology with Tutorial Immunology
- Biochemistry with Laboratory Course
- Seminar Forensic Medicine

CELLULAR BIOLOGY MODULE

- From cells to tissue and body functions with Laboratory Course Histology
- General Molecular Cell Biology

An internship in the Medical Center Hamburg-Eppendorf (UKE), one of Europe's leading hospitals, over the course of one semester is included in the program to gain practical experience.



The German courses are offered to MedNat students in a tailor-made language program provided by the Goethe-Institut. Within three years of study in the BSc program, students will be taught German at least up to the B2 level of language proficiency.

CAREER OPTIONS

MedNat prepares students for continuing their studies at medical schools in Germany to become Medical Doctors, or to start a scientific research career in biomedicine, molecular medicine, or medical technology. The curriculum has been designed to provide the basis for the successful study at renowned German medical schools. Students may opt to apply to a medical school during the course of the study program, or alternatively, complete the program after three years with a Bachelor of Science (BSc).



HOW TO APPLY

Admission to MedNat is selective and based on a candidate's school and/or university achievements, personal references, self-presentation, and performance on required standardized tests. Students admitted to this program demonstrate exceptional scholastic achievement, intellectual creativity, and the desire and motivation to make a difference in the world.

Your application needs to include the following documents:

- 1. One recommendation letter from a school official (usually a school counselor or principal)**
- 2. School transcripts of the last 2-3 years**
- 3. Results of your standardized test(s) (SAT or ACT)**
- 4. Results of your language proficiency test (TOEFL, IELTS, CAE etc.)**

Exceptions to these requirements are possible. For more information, please visit:

— jacs-jacobs-university.de/study/undergraduate/application-information/application-requirements

Please note that there is no application fee.

DEADLINES FOR UNDERGRADUATE ADMISSIONS

November 1 (Early Decision) | December 1 | February 1 | June 1

TUITION

The program charges €30,000 per academic year (effective 2017/2018).

ACCOMMODATION

Jacobs University offers you accommodation on campus. Each of the four residential colleges has its own dining room, recreation room, study areas, and common and group meeting rooms. Your fellow students, Jacobs University's sports facilities and a vibrant campus life help you to quickly feel at home:

- Choose between one of four modern colleges
- Live in your own furnished bedroom within a two-room apartment
- Access to communal lounges, group meeting rooms, and quiet study areas in each college
- Share your meals with your fellow students in the college servery
- Take part in many college social events

Room and board is €6,000 per nine-month academic year and can be requested during your application. No room or board will be charged for the semester of your internship at the UKE in Hamburg.



ABOUT JACOBS UNIVERSITY

Jacobs University is a state-accredited, research-oriented, private university in Bremen, Germany. It is one of the most international academic institutions in the country, characterized by a truly intercultural community. Founded in 2001, Jacobs University attracts highly talented and open-minded students from all over the world: more than 1,200 students from over 100 nations currently live and study on our residential campus. Jacobs University offers a broad portfolio of undergraduate and graduate programs that range from natural and social sciences to engineering and economics. The language of instruction is English.

Research and education at Jacobs University are structured in three distinct focus areas:

— **MOBILITY – OF PEOPLE, GOODS, AND INFORMATION**

— **HEALTH – FOCUS ON BIOACTIVE SUBSTANCES**

— **DIVERSITY – IN MODERN SOCIETIES**

Class sizes are small, enabling professors to act as personal mentors and academic advisors to students. Our faculty members address issues from multiple perspectives through their transdisciplinary research and teaching approaches, and students are actively involved in research from their first year of study. Over the last decade, Jacobs University has consistently achieved top marks according to Germany's most comprehensive and detailed university ranking by the Center for Higher Education.





TAKE A TOUR AROUND CAMPUS

Join our students and take a virtual VIP Tour around Campus at any time you like:

- Visit the Campus Center and the library:
Join us for a coffee in the Coffee Bar or simply enjoy the view from the IRC
- Discover campus life at Jacobs University:
Get insights into where our students live, learn and eat
- Attend one of our undergraduate classes or graduate seminars
- Get to know our professors and visit the university research and design thinking labs
- Join us for some sports activities in the fitness center or in our rowing tank

jacobs-university.de/campustour



ABOUT BREMEN

Jacobs University is based in the north of Bremen – a city with a maritime atmosphere and over 1,200 years of history. About half a million people live in Bremen, and it is easy to get around the city, which has a high quality of living. The historical market square, a UNESCO World Heritage site, is famous for Bremen's mascots, the Town Musicians from the Brothers Grimm fairy tale. More than 30,000 students live and study in Bremen and nearby Bremerhaven. Bremen boasts a diverse cultural life with great restaurants, theater plays, concerts, festivals, or flea markets. The city is home to the 'Freimarkt', Germany's oldest fun fair, and the traditional Christmas Market is a popular destination not just for locals. Centrally located in Europe and with an international airport close to the city center, Bremen is an ideal starting point for trips to destinations such as Hamburg, Berlin, Paris, Rome or Amsterdam.

CONTACT

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For the latest information on the program,
please visit:

jacobs-university.de/mednat

