INSPIRATION IS A PLACE
WELCOME TO JACOBS UNIVERSITY BREMEN
Jacobs University Bremen, ranking among the top ten small universities worldwide, is an inspiring experiment in many ways.

Jacobs University Bremen is an educational experiment: as an English-speaking German university, it successfully combines the qualities of a broad liberal arts education with the demands of science-based instruction. It harmoniously embeds a culturally diverse campus community into the suburban landscape of Bremen North— and it demonstrates the value of private higher education in dialogue with the excellent state-funded universities of the Hanseatic region.

Jacobs University Bremen is also a structurally ambitious experiment. On the one hand, it is firmly supported by the Jacobs Foundation and the Free Hanseatic City of Bremen, while at the same time it also aims to establish strong collaborations with other public and private partners in order to stand on its own feet. This makes our academic community all the more cohesive and fosters a constant exchange of ideas between the university’s many stakeholders: faculty and students, academics and administrators, researchers and innovators. This is what our global take on education is all about: we want to provide our students with an education based on the values of science, citizenship, and enlightenment and accompany them in obtaining the best possible exposure to the challenges and opportunities of our changing world.

Finally, Jacobs University is a flourishing experiment: our campus helps students from all over the world to develop the human and professional skills that are required to become an actor of change in science, economy and society. To study and to do research at Jacobs University means to invest in a moral and professional future as an individual as well as in our common future as society.

PROF. DR. ANTONIO LOPRIENO
PRESIDENT JACOBS UNIVERSITY
“Young or old, rich or poor, woman or man – everyone has the right to a good education!” This declaration by my father, Klaus Jacobs, adorns the entrance area of the central building on the Jacobs campus and characterizes my personal commitment and that of the Jacobs Foundation.

The aim of Jacobs University is to train young, talented people to become world citizens, regardless of nationality, religion, gender or material background. We want to enable them to assume leading and responsible roles for sustainable and peaceful development of societies through academic training and intensive supervision and living together on an international campus. In turbulent and challenging times like today, this is more important than ever.

We are fully committed to academic excellence and innovation in research, teaching and knowledge transfer combined with an excellent environment for learning, living and working. Jacobs University thrives upon four core values: academic excellence, personal development, internationality and the willingness to enter the world of work.

Parents trust that an educational institution like Jacobs University will take on the responsibility of developing their children. From campus security and social support to intercultural learning, the staff at Jacobs invest in each student every day with great passion and competency. They set themselves to the task of creating a lively social environment in the various colleges that allows the personal development and daily comfort and safety of young students from all over the world. In the best sense of the word, Jacobs is “home – far away from home!”

Anyone approaching the campus of Jacobs University in Bremen is greeted with the words “Welcome!” in almost 100 languages (written on the Jacobs walls). Welcome to the open city of Bremen, which is characterized by international exchange. Welcome to the very unique campus of Jacobs University.

As a private, English-language university, it is more than just an educational institution. It is a new temporary family for more than 1,500 students. These young people come from more than 120 countries, with around 80 percent moving to Bremen for their studies. Jacobs University is also a “home” for over 900 students as they learn AND live during their studies on this very special campus in an international community.

With the highest standards in research and teaching, Jacobs University ranks among the top 25 percent of all universities worldwide, thriving as a complement to the state universities in the Bremen University landscape.

International and interdisciplinary, Jacobs University offers a broad spectrum of attractive study programs: from natural sciences, mathematics and engineering to social sciences and economics. Many of the graduates go on to influence their industries in Bremen or elsewhere in Germany.

But Jacobs University is more than just a successful training centre. It is a place of inspiration, a place of intercultural understanding and an integral part of the development of Bremen North. The City of Bremen will continue to support Jacobs University constructively in the future. The proven trilateral partnership of the Jacobs Foundation, the City of Bremen and Jacobs University is the foundation of the university’s strong legacy and will continue the sustainable development of its future.
A PLACE FOR VISIONARIES

WHY JACOBS
“Jacobs is the living model of a place where people from different cultures and countries not only coexist but come together beautifully in support of each other. This gives me hope and motivation that the future could be like this for the world.”

NADA MAZEN HASHWEH, PALESTINE / JORDAN

WHAT MAKES US STAND OUT

As a private, non-profit, English-speaking university offering the highest standards in research and teaching, Jacobs University attracts highly talented and open-minded students from all over the world. On Germany’s most international campus they become citizens of the world, able to take responsibility for a sustainable and peaceful future of humanity. To this end, Jacobs University has derived four core objectives for its educational profile.

1 ACADEMIC QUALITY
Students encounter the highest in academic standards, gaining an interdisciplinary education in which faculty mentor students personally and invite them into their research from early on.

2 INTERNATIONALITY
With 120 nations represented on campus, students live and learn among a melting pot of ideas and viewpoints, providing an experience that both uncovers new passions and broadens perspective. Jacobs University values diversity and global thinking and fosters a community that champions it.

3 PERSONAL DEVELOPMENT
We graduate students with the self-competence and social skills. The diversity encountered during their education prepares them to participate within diverse cultures and global industries.

4 EMPLOYABILITY
Our graduates go on to successful careers in business and science, possessing the interdisciplinary knowledge and experience today’s employers seek.
“In an increasingly globalized world, studying at Jacobs University grants students the possibility to participate in course discussions with various regional and cultural points of view. This opens the doors to more meaningful dialogue and fosters respect of diverse perspectives.”

TIMO BEHREND, CHILE

“Contributing and giving back to the place that gave me so much is what’s most rewarding about being involved with the Alumni Board. Knowing my investment will benefit future Jacobs generations is a very enriching experience in itself.”

STEFAN RUSTLER, PRESIDENT OF THE ALUMNI ASSOCIATION

“I was looking for a university of excellence in which I could grow academically and personally. That’s what I found here in my program of study and in the student community.”

LEA NEUBERT, GERMANY

“The students at Jacobs University are very hands-on, they show an entrepreneurial mindset and are eager to learn. With their international backgrounds, they are a perfect match with our company.”

CLAUDIA SCHABLER, ECKES-GRANINI DEUTSCHLAND GMBH

“The Jacobs University is ranked one of the 300 best universities worldwide and one of the top five young universities in Germany in the Times Higher Education University Rankings.”

2019

2004 First Jacobs Career Fair connects students with local and international organizations.

2012 The Sports and Convention Center and the Rowing Tank open.

2006 College Nordmetall opens. For the first time, students from more than 100 nations (102 in total) are represented on campus.

2001 Krupp College opens. 133 students from 43 nations begin their studies.

2003 College 1 opens.

1999 International University Bremen with the support of the Free Hanseatic City of Bremen, the University of Bremen and the University of Texas, Austin, Texas.

2004 First class graduates. The Alumni Association is founded.

€200 million, the largest donation in Europe ever made to a university, is invested by the Jacobs Foundation. International University Bremen becomes Jacobs University.

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“Jacobs is a place of wonder. People live in harmony despite conflicts between their countries or religions. I not only acquired a global mindset here but more importantly, the hope that one day world peace can be realized.”

JIAQI SONG, CHINA, CLASS OF 2016

ACROSS DISCIPLINES AND BORDERS

At Jacobs University, getting an incredible education is not limited by one’s nationality, religion or family origin, but empowered by it. Here, everyone has equal opportunities to address the pressing problems of the day by integrating world cultures with research disciplines. Diverse, talented minds and cutting-edge research and teaching meet to address key issues and pioneer the solutions that change our world for the better.

Learning within an international community. Obtaining a qualification to take on responsible tasks in a digitized and globalized society. Learning, researching and teaching across academic disciplines and countries. Strengthening people and markets with advanced training programs. Acting as an incubator for exciting startup ideas. This is what Jacobs University Bremen stands for. With its academic aspirations, its research orientation, its diversity and interdisciplinary curriculum, Jacobs University is a place of inspiration.

Jacobs University sets the standard in higher education with top ranked academics and excellence in research in international rankings including U-Multirank and CHE. The renowned Times Higher Education magazine has listed Jacobs University among the top 25% of all universities and one of the top 30 young universities worldwide.

THE WORLD IS OUR BENCHMARK

With 1,500 students representing 120 countries, we are international in our corridors and at our heart. Our open-minded community stands for cooperation beyond the borders of cultures, nationalities and disciplines, and orients all its studies and relationships to that end. Together we are fostering meaningful collaboration and the future success of all.
A PLACE FOR INNOVATION
At Jacobs University, top international scientists work together across disciplines to find solutions to the challenges of today. A worldwide network and state-of-the-art facilities are the keystones to our success. The development of “Ruby Chocolate” is one of many examples of the close connection we foster between research, industry and society.

“Data has a reddish color and an intense berry taste. At first, it’s hard to believe that it’s a pure cocoa product.”

MATTHIAS ULLRICH, PROFESSOR OF MICROBIOLOGY

It’s New, it’s Pure, it’s Ruby — A Different Type of Chocolate

Bremen/Zurich — In cooperation with Barry Callebaut AG, the global leader in high quality chocolate, Professor Matthias Ullrich and his team have created a completely new type of chocolate – Ruby! – made from pure cocoa beans without any colorants or flavors. Using the latest chemical methods, Jacobs microbiologists are continuing their challenging analysis of the cocoa bean’s large variety of nearly 20,000 substances.

Psychologist for President — Professor Dr. Sonia Lippke leads IAAP Health Division

Indianapolis — Jacobs University’s Professor Dr. Sonia Lippke, an industry-leader and researcher in health behavior analysis, steps up to a global platform. The International Association of Applied Psychology – founded in 1920 – has elected her as President of the Health Psychology Division, positioning her to improve the wellbeing of society in even greater ways.

Geology with an Extraterrestrial Twist — How to Remote Control a Mars Rover

Bremen/ISS — Steering a rover from a few hundred kilometers away is no small feat. The vehicle must avoid obstacles while collecting and analyzing samples before transmitting the data back to home base. Jacobs University’s Professor Angelo Pio Rossi is refining the experiment with a team of scientists and astronaut Luca Parmitano in preparation for future remote human-robotic exploration of the Moon or Mars.

Cutting-edge Cancer Diagnostics — Award for Professor Sebastian Springer’s Group

Bremen/Munich — Linking-up research and industry is crucial to innovation in health and medicine. The Munich company NanoTemper acknowledges the work of Jacobs University’s Professor Springer by rewarding his research team with the “Explorer Award.” The award applauds the team’s ongoing exploration of nanostructures of body cells for the development of novel drugs that fight viruses and cancer.

542 publications in 2016–2019 featured in top 10% journals by citescore

€187,000 Third-Party Funds/Scientists in 2018
A TRANSDISCIPLINARY APPROACH

Our innovative research centers offer the ideal setting to lead cutting-edge projects with global relevance. Students are actively involved in research from their first year, finding the encouragement to ask difficult questions and dive into transdisciplinary work. Partnerships with more than 1,000 renowned institutes and companies worldwide build connections far beyond geographical and professional boundaries.

MODERN RESEARCH LABS

COMPUTATIONAL LAB FOR ANALYSIS, MODELING AND VISUALIZATION
The so-called CLAMV provides the platform for applied computing, with services that cover software for courses and projects, teaching labs, high performance computing (HPC), data storage visualization, www-presentations and databases research group support.

NATURAL SCIENCES LABS
Several labs support research and teaching in the Natural Sciences. Equipped with NMR spectrometer, confocal laser scanning microscope, atomic force microscopy, laser spectroscopy, x-ray diffractometry, robots and more, the facilities meet and exceed the latest technical standards.

BEHAVIORAL & SOCIAL SCIENCES LABORATORY
This laboratory provides 1,200 m² of space for research in the psychological and social sciences. Lab rooms are available for computerized testing methods, interviews, behavior video observation, psychophysiological testing, eye tracking and tele-phone survey.

OCEANLAB
The OceanLab houses an interdisciplinary research group focusing on the ocean carbon cycle, the investigation of hydrostatic pressure on organic matter fluxes and the development of new instrument systems. At the forefront is their internet operated vehicle, currently deployed offshore at a depth of 900 meters.

RESEARCH-GUIDED EDUCATION EXEMPLIFIED

Once a year, students from the “Earth and Environmental Sciences” program set sail on the state-of-the-art research vessel, “Heinke” from the Alfred Wegener Institute (AWI). This much-anticipated cruise brings together students and scientists from a wide range of disciplines – marine geophysics to marine biology and oceanography – allowing the sharing of advanced techniques, such as robotics. Students learn to handle scientific equipment and gain the practical, interdisciplinary experience to pursue their own breakthroughs in science.

OUR PARTNERS INCLUDE

[List of partner institutions]
PhD Options at a Glance

PhD students constitute more than one quarter of all students, with approximately 80 earning their degrees each year in natural and geosciences, mathematics, engineering disciplines, social sciences and humanities. PhD degrees may be earned through an individualized, research-oriented approach or through structured programs in cooperation with the University of Bremen.

Students benefit further from Jacobs University’s affiliation with the Max-Planck Institute of Marine Microbiology via the graduate program in Marine Microbiology (MarMic) and with the Alfred Wegener Institute for Polar and Marine Research (Helmholtz Association of German Research Centres).

Collaborative Programs

The Bremen International Graduate School of Social Sciences (BIGSSS) is a joint project by Jacobs University and University of Bremen, funded by the German Excellence Initiative. BIGSSS integrates competitive academics with research excellence to create a synergetic inter-university institution that is becoming an exemplary model for graduate education worldwide.

Opportunities for PhD Students

Our infrastructure as an international, research-oriented university provides ideal conditions for PhD projects in many different academic fields. Joint programs with renowned schools and institutes foster deep learning and industry connections that last for life.

Daad Award-Winning PhD Student Nickolet Ncube

Doctoral student Nickolet Ncube was honored with a prize of the German Academic Exchange Service (DAAD) for her outstanding academic performance in the field of inorganic chemistry and her social commitment on campus and her home country, Zimbabwe. Her research on objects of the nano-world is developing materials which could act as anti-fouling components in paint for the hull of ships.

“...I’m always thinking about what I could try next. Discovering new species is fascinating, pioneering work.”

Nickolet Ncube, Zimbabwe, PhD Student
A PLACE FOR ACADEMIC EXCELLENCE
STUDY PROGRAMS

Jacobs University offers a broad spectrum of attractive programs ranging from the natural sciences to mathematics and engineering to the social sciences and economics. We divide these programs into three Focus Areas: Mobility, Health and Diversity.

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FOUNDATION YEAR

This program offers students a taste of different fields of study and helps develop academic learning skills in preparation for an undergraduate degree. Based on individual academic backgrounds and goals, each student can design his or her own Foundation Year learning experience.

"We are integrated into everyday university life and get a good insight into the life of the students and into the various subjects. It’s now much clearer to me what I want.”

ELIAS BOSCH, GERMANY

STUDYING

PATHWAY TO ACADEMIC SUCCESS

Our unique Foundation Year program offers a range of preparatory classes to enhance study and interpersonal skills, to acquire knowledge in one or several disciplines of choice and to fine-tune academic English skills. Specialized and orientation paths allow high-school graduates to choose from a variety of academic program modules: Business, Computer Sciences, Engineering, Life Sciences and Social Sciences. German classes are also offered to students interested in learning German.

Personal development courses and individual academic advising and counseling aim to assist students to flourish in a university environment and to ensure that they can make a deliberate, focused decision about what major to choose at the end of the year.

Successful completion of the program guarantees students progression to the undergraduate programs at Jacobs University.

Orientation ▶ Preparation ▶ Qualification ▶ Specialization

THE BENEFITS AT A GLANCE

- Progression to Jacobs University undergraduate programs
- A flexible and personalized study journey
- SAT test preparation and registration
- Dedicated support and counseling in English
- Small classes and large amount of interaction and collaboration
- Unmatchable international experience on one campus in Germany

jacobs-university.de/foundation-year
“Jacobs University has given me a ton of specialist knowledge. But most of all, the university has taught me to make something of myself.”

Catherine Jacob-Dolan, USA

UNDERGRADUATE PROGRAMS

Our undergraduate degree programs equip students with the skills, knowledge and confidence to achieve success in their academics and professional careers. By combining disciplinary depth and transdisciplinary breadth, supplemented by tailored skills education and extra-curricular opportunities for growth, students are fully prepared to become responsible and successful global citizens.

CATHERINE JACOB-DOLAN, USA

MODULAR STRUCTURE FOR A TAILORED DEGREE

All undergraduate programs at Jacobs University are based on a modularized structure, providing students with an extensive and flexible choice of study plans to meet their individual career goals.

The unique Jacobs Track, offered across all undergraduate study programs, provides comprehensive, tailor-made modules designed to achieve and foster career competency. It reflects a university-wide commitment to in-depth training in scientific methods, fosters an interdisciplinary approach, raises awareness of global challenges and societal responsibility, enhances employability and equips students with specialized skills that will set them apart in their lives and careers.

As part of our focus on employability, students have the opportunity to complete an internship, to find a start-up, and to study abroad. Students deepen their knowledge in the real world and gain additional intercultural experience in preparation for their coming career. Within a Community Impact Project, students tackle real issues in order to inspire their sense of practical relevance and social responsibility.

Every student works with the assistance of an academic advisor who ensures they receive the best support possible as they overcome academic challenges to continue on the path to future success.

Flexible — Hands-on — Top-ranked

THE BENEFITS AT A GLANCE

- Flexibility to change majors after the first year of study
- Modules in languages, methods and skills across all three study years
- Practical experience through a summer internship or start-up option
- Option to embark on a semester abroad
STUDYING

YEAR 1 – CHOICE

The first study year is characterized by broad, interdisciplinary education that builds on and extends students’ university entrance qualifications. Students select introductory modules from the CHOICE area of a variety of programs. This unique curriculum structure allows students to select their major freely when entering Jacobs University. The combination of CHOICE modules provides flexibility and allows students to change their major after the first year of studies.

- Methods and Skills modules
- Interdisciplinary “Big Questions” modules
- Language modules
- Community Impact Project

YEAR 2 – CORE

Students take in-depth, discipline-specific CORE modules in their second year of study. Building on the introductory CHOICE modules and applying the foundational methods and skills acquired so far, these modules expand and deepen students’ critical understanding of key theories – and build career-focused knowledge of current best practices. For the majority of study programs, students may also choose to incorporate a minor study track to diversify their undergraduate education.

YEAR 3 – CAREER

At the core of this third-year program is a mandatory internship, providing each student with first-hand practical experience in a professional environment. As an alternative, students can apply for the start-up option and develop a business plan for their own company. They may also choose from ample study abroad options. The fifth semester provides specialization courses that incorporate the latest research in each area of study. The sixth semester is dedicated to fostering meaningful research experience by involving students in an extended Bachelor thesis project.

THE JACOBS TRACK

Our education is not only about building academic skills. We prepare our students to think beyond disciplines with a global, socially-responsible mindset – because we believe well-rounded thinkers are better equipped for success throughout life. That is why the Jacobs Track, that runs parallel to the disciplinary modules across all study years, is an integral part of all study programs. It encompasses:

- Methods and Skills modules
- Interdisciplinary “Big Questions” modules
- Language modules
- Community Impact Project

THE 3C PROGRAM STRUCTURE

Jacobs University study programs are based on European Higher Education Area regulations. All study programs adhere to the European Credit Transfer System (ECTS), which facilitates credit transfer between academic institutions. The three-year undergraduate program involves six semesters of study worth a total of 180 ECTS credits. The curricular structure follows an innovative and student-centered module scheme – the 3C Model – which groups the curriculum into three overarching themes: Choice, Core and Career.

METHODS & SKILLS MODULES

Methods and Skills modules such as mathematics, statistics, programming, data handling, academic and scientific skills equip students with foundational knowledge and useful methods that build relevant skills in any field of study.

“BIG QUESTIONS” MODULES

These interdisciplinary modules broaden students’ horizons with applied problem solving beyond the boundaries of traditional academic disciplines. Gleaning insight from multiple areas of study, students tackle global challenges across the full spectrum of economical, societal, technological and ecological contexts.

LANGUAGE MODULES

We foster the development of German language skills to support an international student’s successful integration into a new culture and professional environment. Native German speakers are also given the opportunity to learn new language skills through modules in Spanish, French or Chinese.

COMMUNITY IMPACT PROJECT

In their fifth semester, students engage in on-campus or off-campus activities that inspire their passion for social responsibility. They work on major-related projects that make a marked difference in community life on campus, in the neighborhood, in Bremen or on a cross-regional level.

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Extensive developments in microelectronics have triggered a digital revolution. Though some still think of a computer as a desktop or a laptop, we know digital computing and digital signal processing have become vital components of many products in our everyday life. By focusing on the integral areas of communications and digital signal processing, our Electrical and Computer Engineering (ECE) program equips students to play a vital role in developing the future.

WHY CHOOSE THIS PROGRAM?

• Electrical and Computer Engineering students pursue the highest academic standards, in a country known for its engineering inventions and in a city known for its marine, automotive, airplane and space companies.
• Students gain practical experience and insights in the latest research, and follow in the footsteps of others who have published scientific research and presented at conferences.
• Whatever a student’s path, they are ready to face future’s challenges in emerging areas such as Cyber-physical Systems, Internet of Things, Connected Vehicles, Secure Communication and more.

WHY CHOOSE THIS PROGRAM?

• Computer Science students experience vivid research at a very early stage, setting them up for interdisciplinary collaboration later on.
• Student teams participate regularly in international programming competitions. The student-organized JacobsHack! hackathon attracts participants from all over Europe, with sponsorships by Amazon, Facebook, GitHub, Google, Skyscanner and Twilio.
• The program features a successful student exchange program with Carnegie Mellon University (USA).

CAREER OPTIONS

The job market for computer scientists has been strong for many years, and there is no indication that this will change soon. Jacobs University graduates are prepared for careers as software engineers, system integrators, information systems managers, data analysts, database administrators, application developers, cyber security analysts, IT consultants, system analysts and more. Our graduates have launched successful careers in academic institutions worldwide, with global industrial players such as Amazon, Facebook, Google, Microsoft and Twitter, and with German companies such as the BMW Group, Research Gate and SAP.

CAREER OPTIONS

Jacobs University Electrical and Computer Engineering graduates leap into careers in very diverse companies, successfully continue at renowned universities or stay with Jacobs University for graduate education. Potential career fields include the aerospace industry, telecommunications, the automotive and energy sector, information technology – and significant positions in academia, management and consulting.

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WHY CHOOSE THIS PROGRAM?

I studied Computer Science at Jacobs University because of the awesome career perspectives.

Matius Sulung Chairani, Indonesia

I studied Computer Science at Jacobs University because of the awesome career perspectives.

Nazia Sarwat Islam, Bangladesh

Smaller classes and the interactive teaching style keep students focused throughout the lecture.

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Smaller classes and the interactive teaching style keep students focused throughout the lecture.
INDUSTRIAL ENGINEERING AND MANAGEMENT (BSc)

MOBILITY

It has been said that engineers make things, whereas industrial engineers make them better. At Jacobs University, the Industrial Engineering & Management (IEM) program equips students to create, improve and manage systems that integrate people, materials and energy in productive ways. Through courses in process engineering, operations research, supply chain management, engineering design, logistics and more, this program is a pathway to career success in many engineering business and management fields.

CAREER OPTIONS
Industrial Engineering & Management (IEM) prepares graduates for a career at the intersection of management and engineering. For students who dream of a future leading industrial and trade enterprises, engineering research or education, this program opens the door to a wide range of engaging career paths. IEM students can pursue specializations in production and logistics, project management and strategic and corporate management. These possibilities come alive through our close cooperation with top companies like Airbus, Daimler, Porsche, ArcelorMittal, Barry Callebaut, Deutsche Bahn, KPMG and more.

WHY CHOOSE THIS PROGRAM?
- Modules are taught by experts from renowned German corporations such as Porsche, Daimler and Schaeffler.
- Students acquire valuable practical experience through an extended internship.
- Students are invited into real-world projects with leading companies. Expert guest lecturers offer students the opportunities to gain insights into industrial processes and help them establish powerful industry connections.

Strong support for freshmen, international orientation and support at the start of the study program
CHE 2017
European U-Multirank 2019

“arrest the intercultural competence and interpersonal skills that I gained at Jacobs definitely help me stand out in my professional environment when I deal with my clients and partners.”

AMAN BHATTARI, NEPAL

MATHEMATICS (BSc)

MOBILITY

From the beauty of theoretical thought to practical application across a vast range of disciplines, mathematics is found at the core of science. Students of the Mathematics program at Jacobs University learn to apply leading methods in the fields of Analysis, Linear Algebra, Numerical Analysis, Probability, Topology and Geometry at a high level, preparing them to excel at top graduate schools worldwide.

At Jacobs University, we do not simply teach courses to our students—we accompany them as individuals throughout their education. In this spirit, mathematics students are able to choose their own specialization modules and gain early access to research opportunities.

CAREER OPTIONS
Mathematics offers an incredible variety of academic career paths, from teaching core mathematical concepts at all levels to world-shaping research in mathematical theory, engineering, physics, astronomy, economics and more. Our mathematics graduates land desirable positions that demand analytical thinking, problem-solving and quantitative skills. These engaging careers span industries, from finance and banking to biomedical technology and data security.

WHY CHOOSE THIS PROGRAM?
- Small classes and close faculty-student interaction with engaged and approachable professors are the foundation of our world-class education.
- Students receive personal mentoring and advising as well as individual career services and support.
- Students are involved early in research and receive opportunities to publish groundbreaking research alongside faculty, ensuring optimal career preparation.

“arrest the groups are small, and my fellow students are very good, which is an additional motivating factor.”

JESSICA FINZEN, GERMANY

jacobs-university.de/iem

jacobs-university.de/math
ROBOTICS AND INTELLIGENT SYSTEMS (BSc)  

MOBILITY

This advanced program develops the knowledge and skills students need to create artificially intelligent mobile systems. In other words, our Robotics and Intelligent Systems program trains them to create a more advanced future. Specific areas of application include the rapidly-evolving automotive and transport industries, robotics and automation, communication technologies, marine technology and logistics. The program also incorporates expertise from other academic disciplines to further explore new applications and real-world opportunities for robotics.

CAREER OPTIONS

As automation and intelligent systems become integrated into more and more of life, the demand for robotics expertise continues to increase. The careers our graduates include dynamic roles in the fields of research and development, automotive and transportation management, emerging communication technologies and more. As the robotics and automation industries continue to expand, career opportunities will continue to rise—and our students’ success is limited only by their ambition.

WHY CHOOSE THIS PROGRAM?

- The program emphasizes the highly-sought areas of intelligence and autonomy.
- These areas of expertise position students for success in any relevant field for decades to come.
- The Robotics@Jacobs initiative offers undergraduate students the opportunity to get hands-on with state-of-the-art robotics systems, ranging from underwater robots to autonomous vehicles, from humanoids to drones.

“At the Robotics Department, the professors impart their wisdom and experience and teach with passion, bringing what seems to be the hardest of concepts down to a level that is easier to understand. I did not expect to gain this much intelligence and intuition by just talking to my professors.”

MARK RAYALI, TRINIDAD AND TOBAGO

BIOCHEMISTRY AND CELL BIOLOGY (BSc)  

HEALTH

At Jacobs University, these two fields are combined into one comprehensive degree program, providing a broad and deep understanding of the molecular and cellular mechanisms that form the basis of life. This unique combination allows our graduates to step into scientific careers that address many of today’s most challenging issues in fields like bio-medicine, biotechnology and molecular biology. This program provides the theoretical knowledge and hands-on practical experience necessary to achieve success in these growing industries and academia.

CAREER OPTIONS

Graduates of this program have joined international companies in the pharmaceutical, biochemical and biomedical industries. They hold positions as toxicologists, forensic scientists, consultants and as university lecturers or professors. After graduating, many of our students are also admitted to excellent graduate programs around the world.

WHY CHOOSE THIS PROGRAM?

- Biochemistry and Cell Biology students gain hands-on experience due to the unique focus on practical learning and application.
- Many students co-author scientific articles in peer-reviewed journals, building on a passion for research and a confidence that will last throughout life.
- Graduates go on to be successful in their chosen careers and gain entrance to exceptional schools, including the universities of Harvard, Cambridge and Oxford.

“At the Biochemistry and Cell Biology Department, the professors impart their wisdom and experience and teach with passion, bringing what seems to be the hardest of concepts down to a level that is easier to understand. I did not expect to gain this much intelligence and intuition by just talking to my professors.”

BERSAL WILLIAMS, ZIMBABWE / PORTUGAL

“Being a student at Jacobs University, the professors impart their wisdom and experience and teach with passion, bringing what seems to be the hardest of concepts down to a level that is easier to understand. I did not expect to gain this much intelligence and intuition by just talking to my professors.”

MARK RAYALI, TRINIDAD AND TOBAGO

jacs-university.de/ris

jacs-university.de/bccb
CHEMISTRY AND BIOTECHNOLOGY (BSc)

CAREER OPTIONS
Biotechnological applications in the chemical industry are increasingly important. In research and development, career opportunities include the fields of chemicals, pharmaceuticals, fuels, nanotechnology, materials and energy – all the way to environmental monitoring and forensic science.

This program equips students with the knowledge, research techniques and advanced problem-solving skills necessary for a rewarding career in these industries and more – or for success in graduate studies at the Master or PhD level.

WHY CHOOSE THIS PROGRAM?
- Jacobs University is one of the few universities that offers this tailored and desirable combination of chemistry and biotechnology.
- A strong emphasis on practical, hands-on learning provides students the experience they need to launch successful careers or pursue an advanced degree.
- The research regularly carried out by students results in co-authorships of scientific publications.

“...the interdisciplinary approach and the fact that English is spoken on campus were all as appealing and eventually convinced me. Everyone is approachable, including the professors, which is very helpful.”

LISA TICHAGWA, ZIMBABWE

CHEMISTRY AND BIOTECHNOLOGY (BSc)

HEALTH

This transdisciplinary program connects the molecular approaches found in chemistry and biology, applying both in practical ways that carry vast importance to many emerging industries. Chemistry course modules include organic, inorganic, analytical, and physical chemistry; students are also taught the relevant aspects of mathematics, engineering and industrial practice. Biotechnology courses prepare students to impact many industries, taking advantage of biocatalysts and biomolecules in order to contribute to a more sustainable future – including the use of biorefining to produce renewable energy.

CAREER OPTIONS
This program equips graduates to address modern challenges and world-shaping research questions about the sustainable and responsible exploration of natural resources, the short- and long-term evolution of the Earth’s climate and oceans and pressing anthropogenic challenges to the natural environment.

WHY CHOOSE THIS PROGRAM?
- An engaging curriculum spans a breadth of course formats and learning opportunities ranging from seminars and laboratory work to off-campus team-work in multidisciplinary groups.
- Powerful theoretical concepts are applied in unexpected and engaging ways during a research cruise to the North Sea.
- The program has a strong reputation for placing graduates in desirable positions in the international job market and in highly-ranked graduate programs around the world.

THE молодежный университет Ranking 2019

Physical sciences
THE World University Ranking 2019

CHEMISTRY AND BIOTECHNOLOGY (BSc)

HEALTH

Based on a solid foundation of chemistry, mathematics and physics, this program combines traditional geoscience disciplines such as geology, oceanography and environmental science using key methodological tools and concepts from geochemistry, geophysics, geodata analysis and data management.

This program equips graduates to address modern challenges and world-shaping research questions about the sustainable and responsible exploration of natural resources, the short- and long-term evolution of the Earth’s climate and oceans and pressing anthropogenic challenges to the natural environment.

CAREER OPTIONS
Graduates of this program have a broad range of career opportunities in the private sector, in government and in non-government organizations. Possible fields include environmental studies, resources, development and energy. Graduates are also well-prepared for careers as leaders in the areas of geosciences, ocean sciences, environmental sciences and resource exploration.

WHY CHOOSE THIS PROGRAM?
- Jacobs University is one of the few universities that offers this tailored and desirable combination of chemistry and biotechnology.
- A strong emphasis on practical, hands-on learning provides students the experience they need to launch successful careers or pursue an advanced degree.
- The research regularly carried out by students results in co-authorships of scientific publications.

“...the academic experience was superb. Not only was I able to delve into interesting topics, but I also had many hands-on experiences.”

GABRIELA WIEDERHERI-GUERRA, GUATEMALA / SWITZERLAND
**PHYSICS (BSc)**

Physics shapes our view of the world through its quest to understand the fundamental concepts of space, time and matter. It not only lays the foundation for other natural sciences, but plays a fundamental role in understanding and creating modern technology like solar cells, computers and airplanes.

This program builds a solid foundation in classical physics, modern physics and mathematics, followed by future-focused courses in electrodynamics, relativity, quantum physics, solid-state physics and more. Lectures are brought to life through hands-on teaching labs, and students are invited to participate in faculty research projects from early on in their studies.

**CAREER OPTIONS**

Graduates of this program will discover boundless career opportunities, ranging from engineering positions in research and development to leadership roles in information technology, renewable energies, aerospace engineering or medical technology. These positions reside at the forefront of industries that will build the future of our world, combining the interdisciplinary fields of biophysics, nanotechnology and geoscience.

**WHY CHOOSE THIS PROGRAM?**

- The institutional framework of the program is unique in its internationality and research experiences.
- Students are invited into a truly transdisciplinary teaching and research approach, with courses in biophysics, nanoscience or robotics.
- Students benefit from Jacobs’ track record in excellent placement at top universities worldwide such as Stanford, Harvard, Princeton, and ETH Zurich.

**Students get to work in very close proximity with the professors which is irreplaceable in my opinion. It is a program that is as challenging as it is rewarding.”**

**MARGARET NANDUDU, UGANDA**

“"I found the faculty very approachable, and they really care. They wanted me to succeed without lowering their requirements and expectations.”

**FABIAN RUSSMANN, GERMANY**

**MEDICINAL CHEMISTRY AND CHEMICAL BIOLOGY (BSc)**

Modern pharmaceutical drug innovation requires well-trained scientists with a deep understanding of current drug development methods and the research field that will have the largest impact on it. Chemical Biology. Jacobs University’s Medicinal Chemistry and Chemical Biology (MCCB) program prepares students to lead tomorrow’s innovations by learning core chemical concepts and applying them from the molecular to the physiological level. This encompassing approach equips students to understand what is required to cure disease while bringing improvement to that process. The program is unique in the German academic landscape, offering an interdisciplinary education between Chemistry and the Life Sciences at the Bachelor level. Graduating students often enter graduate study in Biochemistry, Chemical Biology, Medicinal Chemistry or Organic Chemistry. Whether attending graduate school or jumping straight into a career, the B.Sc. degree in MCCB prepares students for a job in the ever-evolving high-growth pharmaceutical sector.

**CAREER OPTIONS**

Our graduates have a deep understanding of how cells, organisms and humans are organized at the chemical, molecular level. This core knowledge opens doors to graduate opportunities in biochemistry and organic chemistry, as well as a wide variety of careers in fields ranging from the pharmaceutical and food industries to education and regulatory affairs. The intelligence and critical thinking skills developed in this program are easily transferable to non-scientific careers as well.

**WHY CHOOSE THIS PROGRAM?**

- This interdisciplinary program is entirely unique within Germany. By integrating medicinal chemistry and chemical biology from the start, the program offers a more holistic view of the underlying science that makes medicinal innovation possible.
- The program integrates practical experience whenever possible, offering access to state-of-the-art laboratory training beginning in the very first semester and continuing through graduate-level research projects.
- A mandatory summer internship provides an incredible opportunity for professional growth and offers a pathway to begin the career decision-making process.

**Teaching in the Chemistry department**

THE Young University Ranking 2019

**Life sciences degrees**

THE World University Ranking 2019

**Physical sciences**

THE World University Ranking 2019

**Graduates of this program will discover boundless career opportunities, ranging from engineering positions in research and development to leadership roles in information technology, renewable energies, aerospace engineering or medical technology. These positions reside at the forefront of industries that will build the future of our world, combining the interdisciplinary fields of biophysics, nanotechnology and geoscience.**

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**FABIAN RUSSMANN, GERMANY**
GLOBAL ECONOMICS AND MANAGEMENT (BA)

DIVERSITY

A multitude of political, social and cultural forces drive economic decisions in our globalized world. To understand these forces, our students first gain an understanding of the intricate challenges faced by today’s interconnected economies. These challenges include resource scarcity, climate change, economic growth, financial crises and income inequality. Our Global Economics and Management program places the classical studies of business administration and economics within a global context and combines them with key concepts from management, public administration and political economy. Students gain a transdisciplinary understanding of global economic challenges and opportunities with an emphasis on sustainable development and responsible leadership.

CAREER OPTIONS
With its tailored combination of economics and management, this program offers students the high- ly sought qualifications for junior management and analyst positions within areas of employment such as business development, organization, and strategy in the industry and leading international organi- zations of the public and nonprofit sectors.

WHY CHOOSE THIS PROGRAM?
• With students from more than 120 countries on campus, students are immersed in an environ- ment rich with diverse perspectives that provide a deeper understanding of the complexities of our global economy.
• With start-up business support, international internships and study-abroad opportunities, stu- dents are well prepared for a top career in global business or economics.
• The high academic rigor of the program prepares students for top graduate programs at the world’s leading universities.

“Throughout my time studying at Jacobs, I have experienced amazing support from my professors. Not only are they passionate about what they are teaching, but they are ready to adjust their course structure to help students learn more efficiently and succeed.”

JONATHAN BITTMAYER, USA

jacs-virtually.de/aba

INTERNATIONAL BUSINESS ADMINISTRATION (BA)

DIVERSITY

In this program, our students develop strategic, practical perspectives on creating value within a globalized, culturally diverse, technology-driven world. Gaining core knowledge in foundational areas like management of international firms, integration of information technology and business, and the influence of cultural contexts on business, students will be well prepared for the world of international business and management.

CAREER OPTIONS
With its clear focus on the management of firms in international business activities, this program offers students the right qualifications for engaging careers in a broad range of businesses – especially at international and internationalizing firms. Upon graduation, students are prepared to take on managerial responsibilities at international companies. In recent years, our graduates have earned internships and positions at a range of leading international companies, including Bosch, Deloitte and KPMG.

WHY CHOOSE THIS PROGRAM?
• Joining a cohort of students from more than 120 countries prepares graduates to thrive in a high-pressure intercultural work environment.
• Exposure to the real-world challenges of international companies gives our graduates an advan- tage as they compete for desirable positions and entry into world-class graduate programs.
• Students earn places at internationally outstanding Master programs in International Business or Management.

“Students will find themselves applying what they learn in this program to their everyday life in ways they couldn’t have before.”

AIRINÉ HOHL, GERMANY

jacs-uni-versal.de/iba

jacs-uni-versal.de/gem
INTEGRATED SOCIAL AND COGNITIVE PSYCHOLOGY (BSc)

DIVERSITY

Our globalizing world is a diversifying world. People live and work together in never-before-seen cultural and generational constellations, benefiting from countless opportunities for richer social interactions and for learning from one another. Psychologists are experts at designing evidence-based strategies to explore the benefits and understand the challenges of that diversity. Adopting a multi-level approach, Jacobs University models human behaviour as constrained and shaped both by biological variables and by social and cultural contexts. This comprehensive approach equips students with the essential knowledge and skills to develop their career in the direction that best aligns with their talents and aspirations.

WHY CHOOSE THIS PROGRAM?

- The program provides students with particular opportunities to build comprehensive qualitative, quantitative and experimental research skills.
- Small classes enable students to work intensively with professors to gather first-hand experience in a broad array of research methods.
- Students apply analytical and conceptual tools to their own research projects from early on.

CAREER OPTIONS

Graduates are strong candidates for junior positions in jobs involving analysis, design or improvement of human interaction, presentation and communication. There are career opportunities in fields such as advertising, counseling, diversity management, health promotion, human resource management, intercultural relations, management consulting, market research, media, psychotherapy and sales, as well as applied research.

“\textbf{I learned the ability to \textit{adjust} to different working styles and colleagues, and the important skill of presenting and public speaking with confidence.}”

- ANNA KOZNETSOVA, UKRAINE

Jacobs-university.de/iscp

Jacobs-university.de/irph

INTERNATIONAL RELATIONS: POLITICS AND HISTORY (BA)

DIVERSITY

The problems and threats facing the world today are complex. Navigating the international political arena and creating sustainable solutions requires both a nuanced and multi-faceted approach. This program thus teaches concepts and methods from a number of interconnected fields, including political science, history, law and philosophy. We equip students with the theoretical knowledge and analytical skills required to explore the historical emergence of, and remedies for, pressing global ills. Our graduates have a track record of succeeding both in the job market and at top graduate schools.

WHY CHOOSE THIS PROGRAM?

- Students encounter the program’s very diverse and international student body, which means classroom discussions resemble mini-United Nations meetings.
- Students engage in interactive and experiential teaching techniques, such as crisis and diplomacy simulations, cooperation games, debates and excursions.
- Jacobs’ international faculty members come from top-flight PhD programs and enrich the classroom environment with insights gained from professional experience in program-related fields.

“I learned the ability to \textit{adjust} to different working styles and colleagues, and the important skill of presenting and public speaking with confidence.”

- ANNA KOZNETSOVA, UKRAINE

Jacobs-university.de/irph

Jacobs-university.de/iscp
**SOCIETY, MEDIA AND POLITICS (BA)**

To effectively address today’s burning issues with a hands-on approach, tomorrow’s leaders in politics, business, NGOs or academia need to see their challenges from a broad perspective. Young people who want to make a difference need to have a clear understanding of three basic perspectives:

- Where is our society going and how does it work?
- What role can and should politics play?
- What are the risks and opportunities of modern media?

Society, Media and Politics prepares students to develop and creatively apply the necessary knowledge of the social sciences to face modern challenges in a digital and global context. Both on a micro and macro level, they find new, creative approaches and paths of development. They discover the systemic and cultural components of the crises and conflicts we face as individuals and as a society. The program also equips them with an analytical understanding of modern media and with the skills to produce engaging media products – because making an impact means not only understanding problems and finding solutions, but also successfully communicating them to others.

**CAREER OPTIONS**

Our graduates have excelled in a variety of career paths both in the private sector (including consulting, media, trade, finance, automotive and logistics) and the public sector, both in governmental national and transnational organizations and NGOs as well as leadership at institutions and foundations. Many have moved on to study at the most prestigious universities worldwide, some continuing on to an academic career after graduation.

**WHY CHOOSE THIS PROGRAM?**

- The inhouse Media Center enables students to develop creative skills in producing exceptional digital media, including videos, animations, podcasts, vlogs and blogs.
- The skills and expertise gained through this program are in high demand in the labor market and form a powerful foundation for entrepreneurial initiatives.
- The program has the largest alumni community at Jacobs – which comes in handy when exploring job opportunities or just making contacts worldwide.

“In almost all categories; particularly strong in support to freshmen and international orientation

CHE 2018

“**The interdisciplinary approach of the program is something that has served me well both in my career and in my personal life.”**

FRANZISKA EHLEIT, GERMANY

[Jacobs University's website](jacobs-university.de/smp)
Graduate education at Jacobs University encompasses programs from engineering to psychology, the social sciences and economics. Completion of one of these programs leads to a Master of Science (MSc) or Doctor of Philosophy (PhD) degree.

Graduate students not only extend their academic qualifications but deepen their ability to investigate and analyze issues from multiple perspectives. Through qualified teaching and a low faculty-to-student ratio, students advance in knowledge while receiving the mentorship of experts in the industry.

Students are invited into key research initiatives from a very early stage. They expand their horizons through lectures, seminars, workshops, laboratory trainings and excursions, each integrating real-world issues and involving practitioners that represent a variety of industries.

For students interested in moving on to a PhD, joint programs between Jacobs University and the Bremen International Graduate School of Social Sciences provide excellent opportunities for research. Students may also obtain individual research PhD degrees in various fields.
DATA ENGINEERING (MSc)

Big data has turned out to have giant potential but at the same time, poses major challenges. On the one hand, it is driving the next stage of technological innovation and scientific discovery. On the other hand, the global volume of data is growing at a pace that seems to be hard to control. Faced with these prospects and risks, the world requires a new generation of data specialists. Providing students with up-to-date knowledge and cutting-edge computational tools, Data Engineering has everything that it takes to master the era of big data.

The two-year MSc program offers a fascinating and profound insight into the foundations, methods, and technologies of big data. Students experience a tailor-made curriculum in line with their individual interests and needs. In a unique setting, the program mixes foundational lectures, specialized courses, industry seminars and applied project work, leading to a master's thesis that can be conducted in campus research groups, at collaborating research institutes, or in close collaboration with an industry partner or company site.

CAREER OPTIONS
Demand for Data Engineers is massive. Typical fields of work encompass the finance sector, the energy sector, the automotive and health industry as well as retail and telecommunications. Companies and institutions in almost every domain need experts for big data. An MSc degree in Data Engineering also allows students to move on to a PhD and a career in academia and research institutions.

WHY CHOOSE THIS PROGRAM
- Students get skills in data acquisition, mining, model building, machine learning as well as mathematical understanding paired with practical experience.
- Profound insights into methods and technologies of a rapidly growing sector pave the way to a successful career.
- Networking with industry and research contacts through seminars and internships is an integral part of the curriculum.

SUPPLY CHAIN MANAGEMENT (MSc)

The ability to manage global and digitalized supply chains is fundamental to success in the global economy. The two-year Supply Chain Management MSc program trains students for the growing field of design and management of supply chains. The program adds to the knowledge and skillset of those students who have completed first-degree or equivalent training in logistics, economics, engineering or information technology, and those who can prove a special affinity for the topic. Successful graduates discover a quick career entry in the area of Supply Chain Management in a national or international context.

CAREER OPTIONS
Graduates of the program find a wide range of attractive career options in the dynamic field of supply chain management and beyond. Their qualifications gain them entrance into careers in industry, academia, governmental institutions, international organizations, business associations, the media and non-profit organizations. Graduates have gone on to work for the automotive and aerospace industry, food and transportation companies and business consultancies.

WHY CHOOSE THIS PROGRAM
- In a business world marked more and more by globalization, complexity and flexibility, the curriculum of this program aims to teach modern leadership and management competencies from the base of intercultural competence.
- Besides core topics related to logistics and supply chain management, students benefit from a range of courses related to data analytics and programming languages.
- Career-related soft and foreign language skill courses top off the program, ensuring graduates are prepared for the German and international job market.

“The most amazing fact for me was how teachers and professors push you. Jacobs is not only a university, but also a partner for you as you enter your career.”

Diego Lainfiesta, Guatemala

“In your classes you might be working with someone from Zambia, Ethiopia or from Pennsylvania. You work together, you share thoughts, which creates a very conducive learning atmosphere and broadens your perspective.”

Devashish Tikekar, India
Psychology explores human perceptions and behavior and how people can fully and effectively tap their potential. The objective of this degree program is to prepare students for a career as a psychologist in an increasingly diverse society, incorporating a bilingual curriculum, students benefit from an international and intercultural mindset, with two-thirds of the courses taught in German and one-third in English. The course content of the MSc Psychologie closely follows the recommendations of the German Psychological Society (DGPs).

The degree program has three areas of specialization:
- Clinical psychology
- Occupational, organizational, and business psychology
- Intercultural psychology

**CAREER OPTIONS**

The program qualifies for tasks in the fields of psychological diagnostics, counseling and training, as well as for further postgraduate education in psychotherapy. In addition to working as a psychologist, typical occupational fields include positions in the health, social, human resources and educational sectors, as well as in academia, civil service and industry. The MSc Psychologie qualifies students for a variety of management positions at companies and other institutions as well as for a scientific career.

**WHY CHOOSE THIS PROGRAM**

- Students gain practical work experience in clinical psychology in our recently opened university psychotherapy center.
- Students are acquainted with current research topics, trained to conduct scientific work and embark on computer-based data analysis.
- Learning is fostered through a strong application-oriented approach, involvement in hands-on research, open classroom discussions and interactive exercises.

“Personalized support and an international environment – the perfect preparation for my future career.”

Franziska Keller, Germany

jacobs-university.de/psychologie
Undergraduate Programs

Please apply online via www.commonapp.org
The following documents are required:
• High school / university recommendation(s)
• High school / university transcripts (last 2–3 years)
• Educational history form
• Standardized test results: SAT / ACT (waiver if applicable)
• Proof of English proficiency (waiver if applicable)

Graduate Programs

Please submit the following documents:
• Letter of Motivation
• Curriculum vitae (CV)
• University transcript in English or German
• Bachelor’s degree certificate or equivalent
• Two letters of recommendation
• Proof of language proficiency
  All programs: English proficiency test (e.g. TOEFL, IELTS, DUOLINGO)
  MSc Psychologie: additional German proficiency test for non-native German speakers

Foundation Year

Please submit the following documents:
• Our online application form incl. motivation statement
• Your high-school transcripts
• Reference letter from teacher/guidance counselor
• Proof of English proficiency
  (e.g. TOEFL, IELTS)

Application Deadlines

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<tr>
<th>Program</th>
<th>Deadline</th>
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<tr>
<td>Early Decision</td>
<td>November 1</td>
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<td>Early Action I</td>
<td>December 1</td>
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<td>Early Action II</td>
<td>February 1</td>
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| Rolling Admission     | June 1 – Students who require a visa
                      | July 20 – EU students / students who do not require a visa

Application Deadlines

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| Rolling Admission     | June 1 – Applicants who require a visa
                      | July 15 – EU students / students who do not require a visa
                      | MSc Psychologie: June 1 – Applicants who require a visa
                      | August 15 – EU students / students who do not require a visa

Merit-Based Scholarship

All applicants are automatically considered for a scholarship based on their academic skills and social commitment.

“JUStudyAtEase” Program

Granted independently of the financial situation, the deferral is calculated automatically for every student upon admission. Applicants decide whether they want to use this individual financing option offered in cooperation with our partner Brain Capital.

Additional Assistance for Undergraduate Students

Personalized, need-based financial aid program.
For information on external financial aid, please visit:
  jacobs-university.de/efo or contact us
  sfs@jacobs-university.de

Repayment doesn’t begin until a predefined minimum income is reached. A percentage of the income is paid for a limited period of time. If the income is lower than the defined minimum income level, repayment is deferred.

Jacobs University is founded on the principle that everyone has the right to a good education. We are committed to bring in students with demonstrated abilities, regardless of their financial background. We do so by offering a personalized financial aid package consisting of four easy steps.*
EXCHANGE OPPORTUNITIES

At Jacobs, students are invited to go beyond the classroom to learn first-hand in international settings. Our exchange opportunities enable students to build upon their cultural, social, and professional skills while deepening language proficiency.

Several exchange programs allow students to be directly enrolled at prestigious partner institutions worldwide. Jacobs University’s participation in Erasmus+, the European Union’s exchange program, provides an exchange semester at a number of European universities, including Erasmus study abroad funding.

Undergraduate students may also choose to do a fifth semester abroad at one of Jacobs’ partner universities, where they attend language and major-related courses and engage in interdisciplinary and cultural learning.

“Studying in the Madrid metropolis has not only been an enormously enjoyable experience but also significantly impacted my future.”

MAXIMILIAN KALLMEYER, GERMANY

33 exchange partners ▪ 15 countries ▪ 4 continents

“I spent my semester abroad at Cornell University where I had the ability to explore all the options that a big American university has to offer. It was a memorable experience.”

DIMITAR DIMITROV PETROV, BULGARIA

PARTNER UNIVERSITIES

Argentina
- Universidad de San Andres
- National University of Luján

China
- Capital Normal University
- Fudan University
- University of Nottingham Ningbo

Israel
- Interdisciplinary Center Herzliya
- Technion – Israel Institute of Technology
- The Hebrew University of Jerusalem
- The University of Haifa

France
- Sciences Po

Japan
- iCLA of Yamanashi Gakuin University
- Ritsumeikan University

Norway
- University of Agder
- University of Oslo

Republic of Korea
- Underwood - International College of Yonsei University
- UNIST - Ulsan National Institute of Science and Technology

Spain
- Instituto de Empresa

Sweden
- Uppsala University
- The Netherlands
- Erasmus University

Thailand
- Thammasat University

Turkey
- Kadir Has University

USA
- Carnegie Mellon University / Pennsylvania
- Drexel University / Pennsylvania
- Rice University / Texas
- Texas Tech University / Texas
- University of Miami / Florida
- Washington State University

United Kingdom
- University of Aberdeen / Scotland
- University of Edinburgh / Scotland
- University of Warwick / England

Argentina Universities
- Universidad de San Andres

China Universities
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- Fudan University
- University of Nottingham Ningbo

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- University of Miami / Florida
- Washington State University

United Kingdom Universities
- University of Aberdeen / Scotland
- University of Edinburgh / Scotland
- University of Warwick / England

33 exchange partners ▪ 15 countries ▪ 4 continents

“Studying in the Madrid metropolis has not only been an enormously enjoyable experience but also significantly impacted my future.”

MAXIMILIAN KALLMEYER, GERMANY

“I spent my semester abroad at Cornell University where I had the ability to explore all the options that a big American university has to offer. It was a memorable experience.”

DIMITAR DIMITROV PETROV, BULGARIA
VISITING AND EXCHANGE PROGRAMS

Exclusive “Study Tracks” allow visiting students to know exactly what program and courses they will be taking before arrival. Alongside, we offer two specially designed electives – including excursions to exciting European destinations, such as the EU-Parliament in Brussels, the Bundestag in Berlin, or the Hermitage in St. Petersburg.

The Study Tracks for incoming exchange and visiting students have been curated specifically by our Study Track Chairs, who guide and academically advise visitors throughout their stay. Within each track, students can select from three subject-specific, complementary modules, in addition to two social science electives, all designed and reserved for incoming students. These electives provide optional excursions that enhance the learning experience.

CUSTOMIZABLE PROGRAM STRUCTURE FOR VISITING STUDENTS

Tailor-made Electives
- Tick off three of your electives
- Experience Germany & Europe
- Gain intercultural training

Guaranteed Access Modules
- Three major-related subjects
- Guaranteed placement

Regular Access Modules
- Choose modules from the Jacobs catalogue

Optional Excursions to European Destinations
- Brussels
- Dessau
- Geneva
- London
- St. Petersburg

BILATERAL EXCHANGE PROGRAM

Jacobs University cooperates with renowned global institutions within the framework of bilateral exchanges. Our exchange agreements are typically limited to two students per academic year and include tuition waivers based on a reciprocal and balanced exchange. While we encourage students to participate in one of the study tracks, they are welcome to select modules from the entire course catalogue and customize their own study program.

CUSTOM VISITING PROGRAM

Using the Study Tracks as a basis, Jacobs University works with partner institutions to customize any program, or build a new one within the framework, whereby students have all the necessary components to complete part of their home curriculum while abroad. Custom programs are tuition-based and have the capacity to host larger groups of students, including faculty-led programs with a specific academic focus.
STUDYING SUMMER CAMP

Our Summer Camp is a great opportunity for high school students from all nations to experience what it is like to study at an international, English-speaking university and dive in to the student social life. A hallmark of the experience is an exciting workshop program organized in collaboration with Germany’s largest association of engineers VDI (Verein Deutscher Ingenieure).

GETTING A TASTE OF UNIVERSITY

The Summer Camp’s nine days workshop program allows students the chance to deepen their interests and skillset within a select field of study. A focus in academics is completed by a colorful social program, together providing a holistic taste of university life. Students can choose to extend the Summer Camp program by joining optional German language classes on campus.

“"I loved my experience at Jacobs University Summer Camp. I wished it could’ve been longer. Cheers to the best experience I’ve ever had in my life.”

Carolina, Portugal

SUMMER CAMP

Social Sciences, Economic & Management

Mathematics & Physics

Energy, Resources & Technology

9 AMAZING DAYS WITH

- Unique workshops in the natural, environmental and social sciences
- Exciting excursions to sights and companies in Bremen
- Games and sports
- Intercultural activities
- Optional German language courses
A PLACE FOR PERSONAL GROWTH
STUDENT EVENTS

An international campus offers a richness of activities that promise to excite and inspire. Countless student-driven events throughout the year invite to explore cultural diversity, from the brilliant Deepavali Festival of Lights to the celebratory Lunar New Year, not to mention the Intercontinental Football Tournament or various Country Information Days. Annual events such as the Jacobs Startup Competition, jacobsHack! or the Women in Leadership Conference (WIL) allow students to actively showcase their ideas to university students and companies from around the globe.

STUDENT CLUBS

Numerous student clubs ranging from arts to sports and community engagement open the doors to students’ creativity, develop social and intercultural competencies and strengthen mutual understanding between our campus and the local community. Clubs bring color and texture to life on campus, with many initiating annual student-run events, such as Art Fest and Environmental Awareness Week.
A HOME AWAY FROM HOME

All colleges on our beautiful green campus are home to students of mixed ages, nationalities and cultures. Like a big extended family, students live together within on-campus housing and are surrounded by caring staff who provide ongoing support throughout the Jacobs journey.

“The most rewarding part of the Resident Mentor position is being able to give our young adults the best advice I would have hoped to receive when I was in their situation.”

ROBERT RENNIE, RESIDENT MENTOR AT COLLEGE 3

STUDENT SERVICES

Jacobs University is dedicated to creating a safe and attractive learning environment where everyone receives the support services they need to perform at their best. Campus Services enhance a student’s work, study and leisure; whether they live off-campus or in one of our residential colleges. From counseling and career services, to dining and financial options, students will have the ample resources to grow and thrive.

• Campus Jobs
• Career Services
• Counseling & Intercultural Services
• Financial Services
• International Office
• Office of Student Records
• Student Service Center
• IRC/Library
• Orientation Week
• Student Advisors
• Academic Advising
• German Language Courses
A PLACE TO LIVE, LEARN AND GROW

"Jacobs gave me the opportunity to get involved in many activities and sports, many of which I had not before considered, and gave me friends who, in the long run, became my family at a home away from home."

SANDRA ESTEFANIA ULLRICH GAVILANES, ECUADOR

"I have organized, participated and competed in multiple and diverse events at Jacobs. Each expanded my point of view, my ideology, my knowledge, and my experience."

AULON KUQI, ALBANIA

"I have lost count of how many activities I took part in. I learned a lot from and also from the people I worked with."

FRANCOISE DE SUTTER OLMEDO, BELGIUM / ECUADOR

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FRANCOISE DE SUTTER OLMEDO, BELGIUM / ECUADOR
STUDENT LIFE

“It’s great to be in contact with young people. The Host Family Program expands one’s horizons, and it’s fun. It has also helped us do more things together as a family.”

STEFAN HARSDBORG, HOST FAMILY DAD

HOST FAMILY PROGRAM

Jacobs University’s Host Family Program helps international students feel at home in Bremen. New students have the opportunity to sign up for a chance to be paired with a host family with whom to experience the local culture and adjust to everyday life.

EXPERIENCE IT ALL IN BREMEN

- Many restaurants, pubs, clubs, museums, theaters and other venues
- A vibrant cultural life with theater plays, concerts, festivals and markets
- Ideal starting point for trips to destinations such as Hamburg, Berlin, Paris, Rome, London, Amsterdam and beyond
- Prominent science and trade center in Germany with industries like aerospace and aviation, renewable energy, automobile manufacturing, luxury products, life sciences, logistics and tourism
- The brand capital of beer, coffee and Mercedes cars
- The second largest port after Hamburg, shipping motor vehicles, cereals, cotton, wool, coffee and tobacco

TOP REASONS TO STUDY IN GERMANY

- Home to three million university students, 12 percent of which are international students
- English is taught from an early age, making it the second most spoken language
- Renowned academic tradition dating back to the 14th century
- Close ties to industry companies such as Allianz, BMW, Bosch, Daimler, Deutsche Post DHL, SAP, Siemens and Volkswagen

WELCOME TO BREMEN, GERMANY

Jacobs University is based in the north of Bremen — a city with a maritime atmosphere and 1,200 years of history. Home to about half a million people, it is easy to get around the city and enjoy its high quality of living. The historical market square is famous for Bremen’s mascots, the Town Musicians, as well as the Town Hall and the Roland statue, which both belong to the UNESCO World Heritage.

560,000 residents — 37,000 students — 1,200 years of history — 100% cultural diversity

100% cultural diversity

history
Top sights in Bremen: Town hall and Cathedral  
Böttcherstraße  
Schlachte  
Schnoor  
Viertel  

Soccer stadium "Weser-Stadion"  
Christmas market at the town hall  
Historic ship at the Schlachte  
Annual funfair "Freimarkt"  
Night life
A PLACE FOR LEADERS OF TOMORROW
A Jacobs education goes beyond disciplinary knowledge, preparing students with the skills and competencies for employability in their dream career. Our comprehensive career services provide guidance through all stages of a student’s development as they grow to become the responsible leaders of tomorrow.

"The Jacobs Career Fair is a successful event for us, allowing us to connect with and employ very engaged and empathetic young colleagues after our first visit on campus."

ALEXANDER NOWAK, SALT AND PEPPER TECHNOLOGY

CAREER OPPORTUNITIES

TAILOR-MADE SUPPORT

CAREER SERVICES CENTER

The Jacobs University Career Services Center offers individual counseling, CV checks and mock interviews, as well as internship research support, professional skills seminars and workshops.

EXPERIENCE

- Internship program
- Job portal

NETWORKING

- Employer career events
- Alumni community

COUNSELING

- Career orientation
- Application check

TRAINING

- Mock interviews
- Online tutorials & CV tool

RECRUITMENT EVENTS

Interactive events such as the annual Career Fair and the Alumni Homecoming connect students with leading global, national and local companies and institutions. In addition, Jacobs University hosts special on-campus recruiting events led by multinational players, such as Facebook, Microsoft, AB InBev, E.ON, McKinsey, Accenture, Roche, Citrix and Google.

jacobs-university.de/career-services
jacobscareerfair.de
INSPIRATIONAL CAREER PATHS

Jacobs University alumni go on to assume influential roles in industries across the globe. Many begin careers in IT, consulting, higher education, research, finance, engineering, logistics and health, while others pursue further studies at some of the world’s most prestigious universities. Jacobs alumni have also made the leap into entrepreneurship and launched their own businesses.

Cornel Amariei studied Electrical Engineering and Computer Sciences. During his studies, he invented the “lumen” glasses for the visually impaired, which put him on the Forbes “30 under 30” list in Europe. Today he works as Head of Innovation at Continental in Munich, where he directs innovative eMobility, automated driving, vehicle architecture and smart connectivity projects.

“Now, when I see a problem, I can look at it from a whole new set of angles, which I was not able to do before.”

Mahlaqua Noor studied Biochemistry and Cell Biology at Jacobs University before pursuing her doctorate at Cambridge University. Her studies opened the door to the Gates Fellowship scholarship and led to her thesis on the “HCMV” virus and its destructive effect in combination with other major diseases such as cancer or AIDS. Her research into its manipulation of the immune system will pave the way for the development of new drugs that will help to go against it.

“I want my research to have a global impact and to improve the lives of those infected with viral diseases.”

THE TOP TEN EMPLOYERS OF JACOBS ALUMNI
- Google
- Microsoft
- Roche
- KPMG
- Accenture
- Daimler
- Barry Callebaut
- SAP
- Amazon
- McKinsey

TOP DESTINATIONS FOR GRADUATE STUDIES
- Columbia University
- Harvard University
- Humboldt-Universität
- Massachusetts Institute of Technology
- Rotterdam School of Management
- Stanford University
- ETH Zürich
- London School of Economics
- University of Oxford
- University of Cambridge

40 alumni start-ups worldwide — 90% of Jacobs graduates found their first job within one year of graduation — 93% feel well prepared for a further study after graduation
I think there is a huge benefit to stay in touch with my old classmates, continuing to connect as we grow in our careers. I have myself hired five alumni from Jacobs into Uber. I am never planning to lose touch with the people from the University.

VARUN DADLANI, CHILE, CLASS OF 2013, SENIOR RECRUITING LEAD, UBER HQ

THE JACOBS ALUMNI ASSOCIATION

Jacobs alumni are located all over the world and are searchable in the Alumni Association Membership Portal. Projects like the Alumni Mentoring Program, Homecoming and career events on campus allow for alumni to share with students career opportunities and advice for further development.

The Alumni Association also works together each year to raise funds to award a scholarship to a student in need who otherwise would not have received financial support.

“When I first moved to Bonn, I did not know anybody in my new city. I was able to join the alumni chapter of North Rhine-Westphalia, where I quickly gained connections and advice. At Jacobs University, I have made friends for a lifetime.”

NATALIA RABOTA, UKRAINE, CLASS OF 2013, GLOBAL CUSTOMER IMPLEMENTATION MANAGER, DHL

JACOBS ALUMNI – A GLOBAL NETWORK

With over 800 registered members – growing more every day – the Alumni Association works very closely with the University on a host of projects that not only help the network grow and develop, but also create new opportunities for students.

“The Alumni Association works very closely with the University on a host of projects that not only help the network grow and develop, but also create new opportunities for students.”

NATALIA RABOTA, UKRAINE, CLASS OF 2013, GLOBAL CUSTOMER IMPLEMENTATION MANAGER, DHL

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NATALIA RABOTA, UKRAINE, CLASS OF 2013, GLOBAL CUSTOMER IMPLEMENTATION MANAGER, DHL
BUSINESS SOLUTIONS

A PLACE FOR
SUCCESSFUL
COMPANIES
EXECUTIVE EDUCATION

We offer top-level executive education for those in charge of determining the future of their companies and businesses. Our unique trainings offer the latest research findings and tailored solutions for company-specific demands.

CUSTOMIZED SOLUTIONS

Together with renowned professors of Jacobs University as well as external experts, we offer custom training and knowledge sharing programs in varying degrees of intensity on our campus or directly within a company. Incorporating the latest developments and trends, clear content structure, and a range of relevant topics, the trainings fulfill industry needs and requirements.

To kick off our customized training and consulting services, a detailed need analysis ensures maximum benefit and the highest academic quality. The combination of theory and hands-on experience, such as keynotes and workshops on our campus paired with exclusive field trips, delivers powerful insights and opportunities.

"Jacobs University has challenged my openness and willingness to engage in something new and unfamiliar. I would recommend it to anyone who has the chance to participate in such a project. It was very inspiring and broadened my horizons."

PEGGY WENZEL, BLG LOGISTICS, TRAINING PARTICIPANT

BENEFITS

Jacobs University offers a unique training package for participants:

- International expertise
- Experience in intercultural cooperation
- A global network of renowned trainers and partner companies
- Full service including accommodation, catering, travel planning and visa support, if needed

jacobs-university.de/executive-education
WORLD-CLASS ACCESS

Companies forge strategic partnership with world-class scientists, engineers and scholars, and receive exclusive access to the latest research findings and interdisciplinary expertise. Cooperation with Jacobs University Business Solutions helps many companies to eliminate or reduce their need for expensive in-house Research & Development infrastructure and resources. These cutting-edge and socially relevant partnerships inspire innovation and create new pathways to success.

FORWARD-LOOKING DECISIONS WITH BIG DATA ANALYTICS

Digitalization has profound implications for enterprises of all sizes. It confronts companies with the challenge of permanently changing and adapting. New technologies, such as artificial intelligence (AI), will continue to radically change business models until 2040.

Jacobs University Business Solutions supports enterprises of all sizes to break into new markets by using state-of-the-art research solutions, knowledge transfer and outsourcing services in the fields of research, engineering and development.

The digital future has already begun. Jacobs University shares expertise in Big Data Analytics to generate added value for industrial customers such as Daimler, Airbus, Schaeffler or Thyssenkrupp.

"Biomolecular computer simulations work like a microscope with an extraordinarily high resolution."

ULRICH KLEINEKATHÖFER, PROFESSOR OF THEORETICAL PHYSICS

KEY INSIGHTS FROM COMPUTATIONAL BIOPHYSICS

Biology with a Splash of Physics might sound like an overly simplistic explanation of the working environment of Prof. Dr. Ulrich Kleinekathöfer and his team. Their interdisciplinary science applies approaches and methods traditionally used in physics to study biological phenomena. Their complex research program opens doors to many practical applications. Among them are research on more potent antibiotics, on proteins with enhanced heat stability or on harvesting of sun light. Computational biophysics has become a versatile tool in supporting these and many more applications.

jacobs-university.de/research-transfer

RESEARCH & TRANSFER

Jacobs University bridges the gap between high-level research and industrial practice. Our scientists carry out interdisciplinary work at the forefront of global research. Whether in fundamental research projects or applied development, we create real-world solutions for today’s business needs.
BUSINESS EVENT SERVICES

Our Campus offers companies a unique setting for conferences, presentations, parties, workshops and various other events. As an international crossroads of cultures, academia and business, the campus atmosphere facilitates the meeting of the minds, collaborating and vision casting.

AN EXCLUSIVE SETTING – SUITABLE FOR EVERY OCCASION

Our rooms are flooded with natural light and offer maximum flexibility to create exactly the right atmosphere for any event, from a large-scale company exhibition to an intimate symposium.

Four spacious locations, as well as several smaller rooms, can be combined as desired. Our Conference Hall, Conference Room, East Wing and Foyer offer space for up to a total of 1,600 visitors. Personalized service and exquisite catering are part of our complete package for a successful performance.

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IMPRESSIVE FEATURES

- Large, well-lit rooms combine perfectly for product presentations, galas and celebrations
- International campus flair
- Ideal for customer events organized by large and medium-sized companies
- Numerous additional rooms suitable for workshops and similar events
- Academic environment, perfect for symposia or creative seminars

jacobs-university.de/events
A PLACE FOR EQUAL OPPORTUNITIES
BE PART OF OUR IDEA

Highly talented young people from all continents come together at Jacobs University. Here, they become citizens of the world who take responsibility for a peaceful, sustainable, global society. To give all students equal chances – regardless of their nationality, religion or material conditions – we need your support. Join us in strengthening a generation that will shape our tomorrow.

“I remember being sent home from elementary school in Zimbabwe because my parents couldn’t pay the tuition. When I applied to Jacobs University, I knew that my parents would never be able to pay for my studies. But my dreams came true thanks to my scholarship provider. I am very grateful to be able to enjoy a world-class education – especially as the first woman in my family to go to university.”

MUNODWA BDELAMBO, ZIMBABWE

“‘I am a firm believer in the Jacobs University concept: fully international and interdisciplinary in education and research. That is why my foundation covers the tuition expenses of a young student.”

MICHAEL BÖMERS, REIDEMEISTER & ULRICH'S FOUNDATION, DONOR SINCE 2001

HOW YOU CAN SUPPORT US

There are many ways to play a role in supporting research, education and students at Jacobs University:

MAKE A PROJECT-SPECIFIC DONATION
Support a professorship or research project in a subject area that is close to your heart.

Donate to a scholarship fund for talented international students, women in STEM, or students with particular needs. You can also contribute to the construction of facilities, the provision of equipment or the support of student initiatives.

BECOME A SPONSOR
Make your company’s name known by providing equipment for our sports teams or supporting our colleges and facilities.

SUPPORT YOUR OWN PROJECT
If you have your own ideas about a project you would like to support, please contact us. We are happy to advise.

MAKE A GENERAL DONATION
General donations allow us to make important changes more quickly. Donations are put to use exactly where additional resources are needed.

START TODAY. STATE YOUR CAUSE. CHANGE THE WORLD!

There are many ways to give your support: a one-time donation, regular contributions, donation by will or donation in kind.

Visit us on campus, we’d love to show you how you can get involved.

All contributions are greatly appreciated and make a world of difference!

- IBAN: DE38 2908 0010 0100 9242 00
- BIC: DRESDEFF290

jacobs-university.de/giving
OF OUR GRADUATES RECEIVED THEIR FIRST JOB OFFER IN EUROPE OR NORTH AMERICA

90% GRADUATION RATE

33 EXCHANGE PARTNER UNIVERSITIES

82% STUDENT TO FACULTY RATIO

12% AFRICA

38% EUROPE

36% ASIA

5% NORTH AMERICA

12% AFRICA

6% SOUTH AMERICA

1,571 STUDENTS FROM 124 COUNTRIES
Jacobs University is a research-oriented, state-recognized university in Bremen, Germany. Located in the heart of Europe, our campus is the home of a truly international community. Over 1,500 students from more than 120 countries live and study at Jacobs University.

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jacobs-university.de