


Offenburg University

University of
Technology,
Business
and Media



«Offenburg University prepares its students in the best way for a career in the national or international labor market, offering state-of-the-art, high-quality degree programs with an emphasis on management and problem solving. With applied research and development projects, the University strengthens the innovation potential of industry, especially in the Southern Upper Rhine region. Offenburg University's geographical location enables it to take a leading role in the internationalization of the region.»

Prof. Dr.-Ing. Dr. h. c. Winfried Lieber
Rector Offenburg University



Offenburg University

Germany has become more and more popular as a place of study in recent years. Besides the high standard of living, young people from all over the globe are drawn by the prospect of receiving a high-quality education and well-regarded degrees, in a country known for its technical innovation and demand for specialists.

Founded in 1964 as a state-run «School of Engineering,» Offenburg University quickly established itself as a high-performance educational institution with a practical orientation. Today the University forms a thriving community, with more than 4,500 students on two campuses. Both Bachelor's and Master's degrees are offered in four departments: Business and Industrial Engineering, Electrical Engineering and Information Technology, Mechanical and Process Engineering, and Media and Information. Offenburg University prides itself on the international orientation of its programs. It was one of the first institutions of higher education in Germany to introduce English-taught Master's degree programs through its Graduate School.

Today, six of those programs cater especially to international students, who comprise about twelve percent of the total student body. Additionally, the International Office maintains active exchange programs with close to 80 partner universities world-wide, providing our students plenty of opportunities to study and pursue internships abroad. Thanks to the proximity with the French border, double-degree programs with prestigious French universities can be offered. Two double-degree Master's programs are also offered and jointly run with the University of Warmia and Mazury (UWM) in Olsztyn, Offenburg's twin city in Poland.

Location

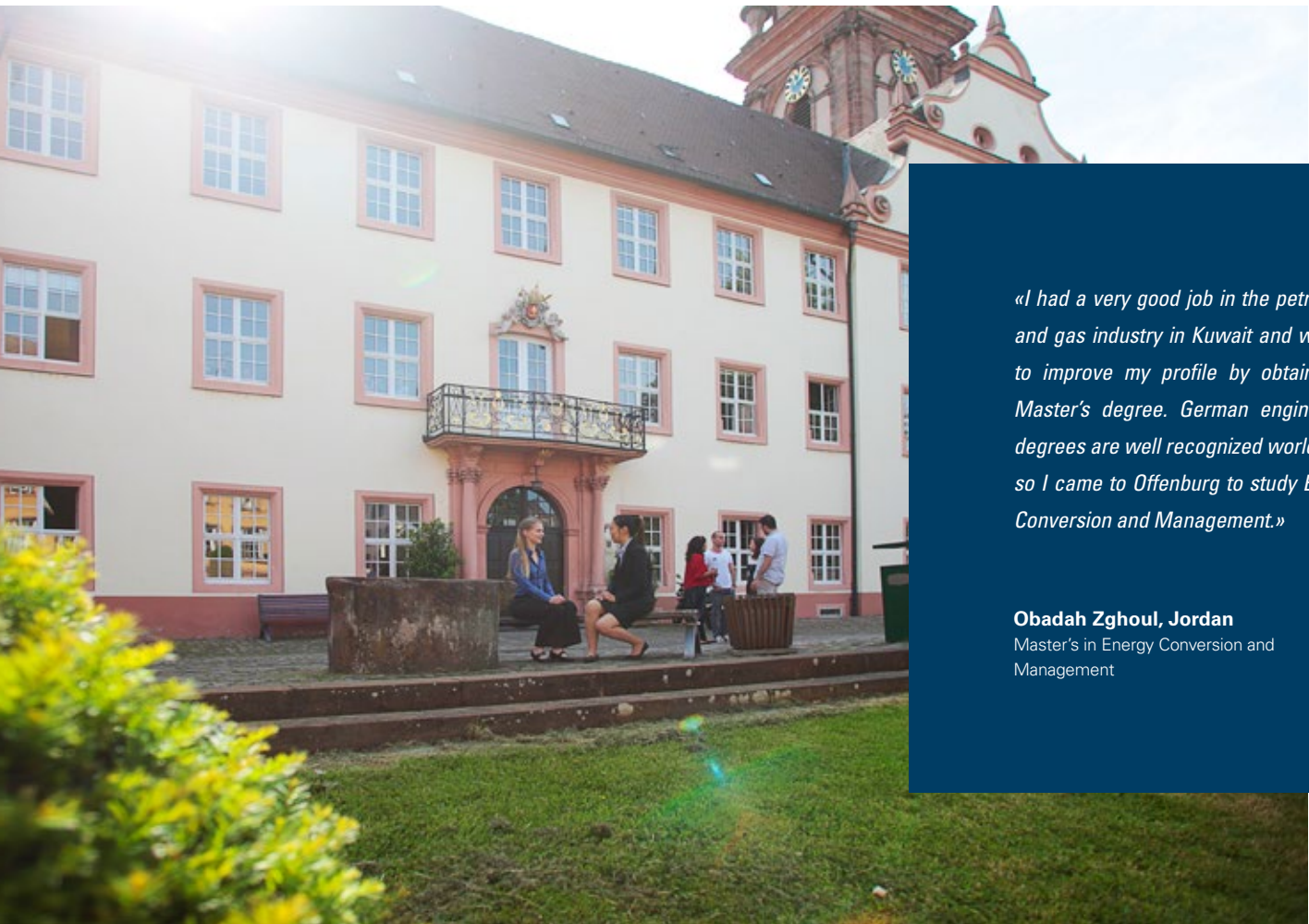
Offenburg University has campuses in Offenburg and the nearby town of Gengenbach in southwestern Germany. The calm and peaceful Ortenau region is considered a «gateway to the Black Forest», yet is only short distances away from larger cities such as Karlsruhe, Freiburg, Strasbourg (France), and Basel (Switzerland), all within an hour from Offenburg by train.

Both Offenburg and Gengenbach offer safe and high-quality living and a comfortable climate, with pleasant summers and winter temperatures rarely dropping below zero degrees.

Besides the small-town setting, there are plenty of shopping and cultural offerings on hand, including the various traditions and festivities throughout the year which Germany is well-known for, like carnival season, wine and harvest festivals and Christmas markets.

Students at Offenburg University benefit from the advantages of a more intimate campus environment – smaller classes, hands-on teaching, individual advice and support by faculty and staff. The close integration with the regional economy allows an application-oriented education in state-of-the-art laboratories and facilities.

Offenburg University consistently enjoys high rankings and, in 2015, was accepted as a member of the European University Association, an association of high-performing research universities. Our high standard in student services is also reflected in the outstanding evaluations our international students give us for the welcome services provided by the International Center.



«I had a very good job in the petroleum and gas industry in Kuwait and wanted to improve my profile by obtaining a Master's degree. German engineering degrees are well recognized worldwide, so I came to Offenburg to study Energy Conversion and Management.»

Obadah Zghoul, Jordan
Master's in Energy Conversion and Management



Services for our Alumni:

- Access to the Graduate School's alumni Portal, including job offers posted by other alumni
- Invitation to the Graduate School's alumni events
- Yearly newsletter
- Possibility to attend University symposiums and events
- Receipt of the University's *Campus* magazine
- Participation in sports and selected excursions
- Personal use of the library

University Services

Business Partnerships

Offenburg University is located in an economically powerful region, with many world market leaders and strong mid-sized companies in close vicinity. This benefits both sides: Close cooperation with industry and business ensures the continuous updating and improvement of teaching contents, while business companies use the know-how and research findings of Offenburg University, whose graduates are sought after as highly skilled experts.

Career Services

At the annual recruiting fair at Offenburg University, students can establish direct contacts with potential employers and plan their future careers. The University's Career Center provides job application assistance and organizes trips to larger job fairs

in Germany. The Career Center helps to develop a personal and professional profile and facilitates entry into professional life by offering individual advising, a wide variety of seminars, workshops and presentations, as well as contacts to employers.

International Alumni Network

The Alumni Network of the Graduate School provides a platform to cultivate contacts, establish new relationships and share information. The network consists of former students from the Graduate School, now living in places around the world. In the last 20 years, more than 1200 students successfully graduated from one of the Graduate School's international Master's degree programs.



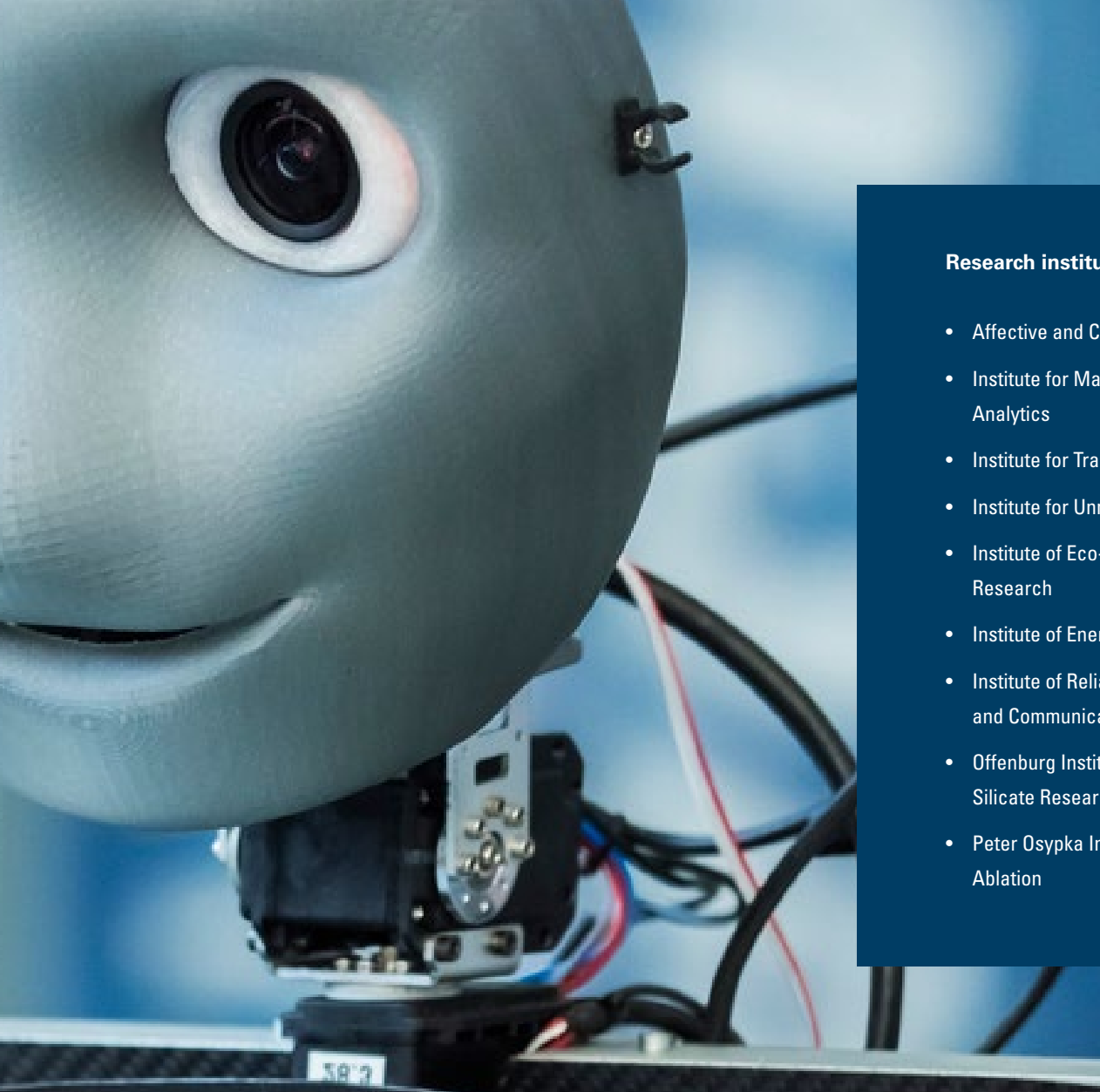
hs-offenburg.de/en/research

Applied Research

Offenburg University's self-concept is based on application-oriented research and development, knowledge and technology transfer as well as innovation capacity involving industry and civil society actors. Together with teaching and internationalization it constitutes the three pillars of our mission that are interdependent.

Due to its strong research performance Offenburg University is constantly ranked amongst the leading universities of applied sciences in Baden-Württemberg. Numerous cooperation projects with scientific and industry partners has

turned us into an important innovation hub in the region as well as in the tri-border area of Germany, France and Switzerland. Offenburg University is a member of the National University Alliance for Small and Medium-sized Enterprises and a founding member of the cross-border alliance TriRhenaTech of the universities of applied sciences of the Upper Rhine Trinational Metropolitan Region. As one of the few universities of applied sciences in Germany, Offenburg University has become member of the EUA (European University Association), the largest university representation at European level.



Research institutes:

- Affective and Cognitive Institute
- Institute for Machine Learning and Analytics
- Institute for Trade and Innovation
- Institute for Unmanned Aerial Systems
- Institute of Eco-Photonics Advanced Research
- Institute of Energy Systems Technology
- Institute of Reliable Embedded Systems and Communication Electronics
- Offenburg Institute of Sustainable Silicate Research
- Peter Osypka Institute for Pacing and Ablation

Offenburg University's research profile emphasizes the fields of technology, engineering, business and media. In recent years, seven research institutes have been established that provide specific scientific orientation and contribute significantly to our research performance with international appeal. Our fastest growing research area is currently the subject of digital transformation with its related hardware, software and data implications.

One of our central objectives in research is the promotion of junior scientists with a focus on application-oriented research. More than 40 doctoral

students work on their doctoral theses, all of them in cooperation with a university in Germany or abroad and many of them enrolled in a specific graduate program. The recently founded Graduate Academy at Offenburg University provide support and guidance to our Doctoral students.

Our scientists, research cooperation partners and interested parties in research, development and transfer receive comprehensive support at the Institute of Applied Research (IAF) – the service department for all research related issues at Offenburg University.



bw.hs-offenburg.de

Departments

I Business Administration and Industrial Engineering

The Department of Business and Industrial Engineering, on the Gengenbach campus, was founded in 1978. One reason for the success of its study programs was the realization that leadership in industry requires not only economic skills, but also sound technical knowledge and computer competences. Therefore, all degree programs follow an interdisciplinary approach, with a well-balanced combination of subjects within the fields of business, engineering and information technology.

Our students thus gain an overall understanding of both the technical and economic aspects of business management. In addition, a professional deepening is possible in different areas, for example e-commerce, lean manufacturing or business administration for small and medium-sized companies. In cooperation with the University of Education in Freiburg, the Department also offers teaching degree programs in Business Information Systems and Media Technology/Economics.

BACHELOR

- Business Administration
- Business Information Systems
- Logistics and Commerce
- Industrial Engineering

MASTER

- Business Administration
- Dialog Marketing and E-Commerce
- Finance, Risk and Insurance [EN](#)
- General Management part-time
- International Business Consulting [EN](#)
- Industrial Engineering

II Electrical Engineering and Information Technology

The Department of Electrical Engineering and Information Technology is one of Offenburg University's two original departments, dating back to its foundation in 1964. The department has always seen itself as an especially innovative part of the university, dynamically adapting its range of program offerings to the needs of the education and employment market. These efforts have been successful; beginning with the early rankings of university departments; E+I has consistently ranked at the top. The department has also been the first one to introduce a trinational study program with prestigious French and Swiss universities.

The mandatory internships of the Bachelor's programs and the graduate thesis to be completed in a company optimally prepare students for their professional careers. Continuous exchange of information and feedback between the University and the workplace, between faculty and engineers in industry and business, goes hand in hand with a curriculum updated to the latest developments in technology and beyond. In cooperation with the University of Education in Freiburg, the Department also offers a number of teaching degree programs in the fields listed aside.

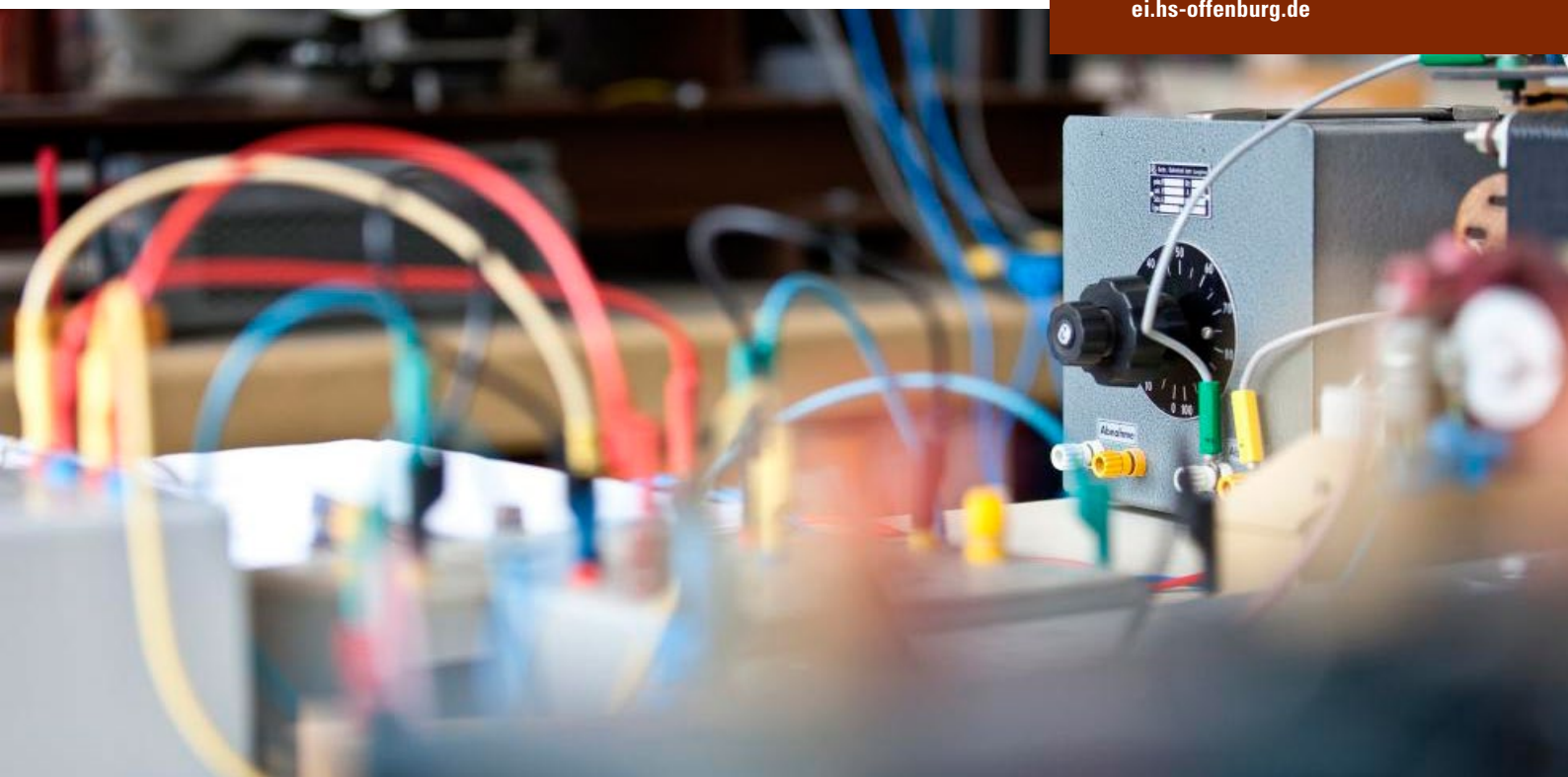
BACHELOR

- Applied Computer Science
- Business Information Systems
- Electrical Engineering / Information Technology
- Electrical Engineering / Information Technology 3nat
- Power Engineering/Physics
- Mechatronics
- Medical Engineering

MASTER

- Computer Science
- Communication and Media Engineering **EN**
- Electrical Engineering/Information Technology
- Medical Engineering

ei.hs-offenburg.de



III Mechanical Engineering and Process Engineering

Mechanical Engineering and Process Engineering integrate different systems from classical mechanical engineering as well as electrical and process engineering to produce competitive products. Apart from the technical know-how, engineering science requires economic, ecological and social competences. Our students position themselves for careers in the fields of mechanical engineering, environmental engineering, mobility, biotechnology, and energy and building technology.

Besides a wide range of course offerings, company internships and close cooperation with industry provide for the practical experience coveted by future employers.

In cooperation with the University of Education in Freiburg, the Department also offers a teaching degree program in Mechatronics.

BACHELOR

- Applied Biomechanics
- Biomechanics
- Energy Systems Technology
- Mechanical Engineering
- Materials Engineering
- Mechatronics

MASTER

- Biotechnology EN
- Mechanical Engineering
- Process Engineering EN
- Power and Data Engineering EN

mv.hs-offenburg.de





mi.hs-offenburg.de

IV Media and Information

The Department of Media and Information offers study courses in the areas of media technology, media informatics, media management and media production. Successful media technology is based on a synthesis of technology, computer science, contents, business management and design. With a focus on digital media, students acquire knowledge in the area of media and information technology systems. This enables them to make qualified judgments on technical issues and employ them purposefully. Combining the elements of various disciplines, students acquire interdisciplinary media systems competency, which prepares them perfectly for leadership positions. Graduates have gained the qualification to make essential contributions to the scientific development of media systems and to produce innovative media productions.

In cooperation with the University of Education in Freiburg, the Department offers a teaching degree program in Media Technology and Economics.

BACHELOR

- Corporate and IT Security
- Media and Information Engineering and Design
- media design production film animation graphics interaction

MASTER

- Communication and Media Engineering **EN**
- Dialog Marketing and E-Commerce
- Media and Communication
- Media in Education
- Enterprise and IT Security **EN**

«To study at Offenburg University is a great opportunity for international students to study for their future careers; but this is not the only reason why it is worthwhile to study in one of Offenburg's international programs: It is the experience of communicating with people from all over the world, which makes studying in one of these programs so special. It is a unique opportunity to get to know people from other countries, their lifestyle, traditions. At the end you will understand the meaning of the word 'world' in a completely different and much broader way.»

Svetlana Reichrudel, Russia
Master's in Communication and Media
Engineering

International Office

Globalization and the integration of Europe have contributed to an ever increasing international exchange of university students, teachers and researchers. At Offenburg University, the central office for managing and supporting these exchanges is the International Office (IO).

The IO maintains close to 80 university partnerships worldwide, more than half of which are based on the Erasmus+ program of the European Union. It administers all contracts related to Erasmus+ and is responsible for their implementation, especially in terms of student exchanges and staff mobility. The IO staff provides detailed advising and assistance to Offenburg students planning to spend a semester at a partner university abroad (e.g. individual study opportunities, general conditions, financing) and takes care of the necessary correspondence with the respective institutions (such as registration procedures, learning agreements and transcripts). In the same way, it supports students who want to spend a practical semester or write their Master's thesis abroad and informs them about funding opportunities.

The IO also is the central contact for exchange students from partner universities, scholarship recipients of the State of Baden-Württemberg or the DAAD (including special programs such as Ciência sem Fronteiras or Jungingenieure Mexiko) and «Free Movers», coming either for a study period or an internship.

They receive comprehensive support and advising services especially geared towards international students, and may also take part in one of the intensive German language courses organized by the IO on campus – the 4-week summer course in September (directly preceding the beginning of the winter semester in October) and the 2-week orientation course («crash course») in March.

German Language Course

Annually in September, Offenburg University offers an intensive summer course on German language and culture, in levels from beginners to advanced. All classes are taught by native German teachers with many years of experience in teaching German as a foreign language. You will have a lot of fun with other participants who may be your classmates afterwards. In small groups of 12-16 students, there are six 45-minute lessons per day, Monday through Friday.

The course concludes with a final exam, and participants receive a certificate. Beyond the classroom, summer-course students enjoy a variety of extra-curricular activities. The International Center also assists you in finding accommodation, available in one of the student residences or in private housing.



hs-offenburg.de/graduate-school

Graduate School

The Graduate School represents six international Master's degree programs. These programs are characterized by:

- Accredited programs with hands-on instruction, a small student-teacher ratio
- Application-oriented education in state-of-the-art laboratories and facilities
- Close connections to industry in one of Germany's strongest economic regions, with excellent career opportunities worldwide
- Central location in Europe with many tourist attractions nearby, a comfortable climate, friendly people and a very low crime rate
- Comprehensive, individual services for international students, including orientation, intensive German courses, accommodation services, excursions and social events

The following six international Master's degree programs are mainly taught in English:

- Biotechnology
- Communication and Media Engineering
- Finance, Risk and Insurance
- Process Engineering
- Power and Data Engineering
- International Business Consulting



«From the first day on, the staff of the Graduate School offers you a warm welcome and helps you through the whole adaptation process.»

Maria V. Villalba Almeida, Venezuela
Master's in Process Engineering

Support Services

Offenburg University offers a variety of services to the international exchange students and students of the Graduate School:

- Extensive assistance in finding accommodation
- Personal mentor for the first few weeks
- Assistance with immigration services and authorities
- Individual support and advice by the coordinator
- Senior Service (local senior citizens initiative)
- English introduction events
- Guided English city tours
- German Summer language course
- Ongoing language courses during the semester
- Language exchange program (e.g. tandems) and language café
- Get-Togethers of the different language communities (e.g. French, Spanish)
- Job application trainings and recruiting events
- Cultural and social program (excursions, get-togethers, company visits ..)
- Sports (sailing, mountain-biking, dancing ...)

Biotechnology (MBT)

Join in on the transition from an oil-based to bio-based energy industry and sustainable energy supply or find, for example, innovative solutions to secure the food supply of the world's population!

The English-taught Master's degree program in Biotechnology (MBT) provides you the qualification to participate in the solution development for crucial issues of our future. The focus of the program is on bioeconomics, especially in the field of environment and nutrition. It is designed for three semesters of full-time study and awards the title of Master of Science. The MBT program is organized jointly by Offenburg University and the

University of Warmia and Mazury (UWM) in Olsztyn, Poland. It is the only internationally cooperative Master's program in biotechnology in the state of Baden-Württemberg and offers the opportunity to earn a double degree from the two partner universities.

The UWM in Poland is a traditional university with a strong focus on research. Offenburg is a smaller-sized institution, and students here benefit from more personal attention by instructors and staff, comprehensive support services, and close cooperation with the local industry and other business partnerships.

Degree	Master of Science (M. Sc.)
Language of instruction	English
Duration of program	3 semesters, 90 credits
Beginning of studies	Winter semester (October)
Internship	Internship or professional experience preferred
Campus	Offenburg (second semester in Olsztyn, Poland)
Link	www.hs-offenburg.de/mbt

Graduate School



«Biotechnology is unquestionably one of the fastest growing fields in research and science. Offenburg University gives you the opportunity to study this discipline using cutting-edge equipment and being supervised by a very qualified scientific staff.»

Martyna Grzyb, Poland
Master's in Process Engineering

«Since Germany remains one of the most important countries in the field of process engineering, I wanted to come here to gain professional experience. Completing a Master's degree at Offenburg University provided a bridge between my studies in Brazil and my career start in Germany.»

Fabiola Testoni, Brazil
Master's in Process Engineering



Graduate School

Process Engineering (MPE)

Degree	Master of Science (M. Sc.)
Language of instruction	English
Duration of program	3 semesters
Beginning of studies	Winter semester (October)
Internship	Required
Campus	Offenburg (second semester in Olsztyn)
Link	www.hs-offenburg/mpe

The Master's program Process Engineering is organized jointly by Offenburg University and the University of Warmia and Mazury (UWM) in Olsztyn. Focusing either on biotechnological or renewable energy processes, you will receive a double degree in Process Engineering from Offenburg University and UWM, while the program is fully taught in English. The winter semester takes place in Offenburg and the summer semester in Olsztyn, Poland. The Master's thesis can be written either at one of the participating universities or externally in a suitable company or institute.

In three semesters, the MPE program equips students with advanced knowledge in chemical and thermal process engineering, biotechnology or food technology. Additionally, they receive training in the intercultural competencies that are essential qualifications in process engineering's increasingly multicultural environment.

Graduates are well prepared for a career in civil service, private industry, or academics.



«The increasing pace of digitalization in industry poses tremendous challenges for the energy sector. With a strong focus on research and development, Offenburg University has recognized the need for a new generation of highly skilled energy data engineers, and developed a Master's degree program that meets the new needs of Industry 4.0»

Dr. Jürgen Joseph
 CEO Energy Consulting GmbH,
 Lecturer in Industrial Energy Management

Graduate School

Power and Data Engineering (PDE)

Successor program of Energy Conversion and Management (ECM)

The energy transition has started already, especially in Germany, but also in many other areas of the world. More and more, electrical and heating power is being generated by a multitude of smaller, decentralized renewable-energy systems. Both private and commercial consumers are increasingly installing local energy management systems with storage to optimize their energy supply. These systems are still connected to the local grids to balance their own power flows and to ensure supply. The local grids in turn are connected with larger transmission grids. All of this is organized by a growing number of stakeholders and based on old and new market structures. These new levels of complexity can only be

managed on the basis of an efficient and secure IT infrastructure in combination with advanced methods of data engineering – combined with a deep understanding of the underlying energy systems. Offenburg's "Power and Data Engineering" Master's degree program prepares you exactly for this exciting challenge. You will gain expertise in power generation based on solar, wind, hydro, biomass and conventional fuels, on storage, transport and distribution of energy via grids, and on final energy usage and management by customers. Furthermore, you will acquire modern methods of data engineering and data analytics and how to model and simulate power systems.

Degree	Master of Science (M.Sc.)
Language of instruction	English (first semester), German and English (from the second semester on)
Duration of program	3 semesters, 90 credits
Begin of studies	Winter semester (October)
Internship	not required
Campus	Offenburg
Link	www.hs-offenburg.de/pde

Communication and Media Engineering (CME)

The interdisciplinary Master's program in Communication and Media Engineering, fully taught in English, focuses on the fields of communication, IT and media technology, but also includes non-technical electives such as business management, social skills and German language. Information at your fingertips, mobile computing, internet of things, multimedia networks – many trends accelerate today's life. The dynamic and economic role of knowledge and information is identified as a key success factor and driving force behind the global markets of telecommunication, computer science and media

technology. The international Master's degree program in Communication and Media Engineering (CME) is tailored to meet the challenges of the multimedia age. Developed in 1998 by the departments of Electrical Engineering and Information Technology and Media and Information Engineering, it was – to our knowledge – the first graduate program in Germany which combined essential elements of communication engineering with innovative multimedia issues. The curriculum has been continuously updated to modern needs and continues to successfully combine these two fields.

Degree	Master of Science (M.Sc.)
Language of instruction	English
Duration of program	4 semesters
Begin of studies	Winter semester (October)
Internship	Professional experience is preferred, but not mandatory, internship in Germany is part of the curriculum
Campus	Offenburg
Link	www.hs-offenburg.de/cme

Graduate School

«German technology is recognized around the world. With the CME program, I found the combination of engineering science and business administration that I had been looking for. The support through the staff of the International Center, but also by the professors of the University is just great!»

Irene Gwokyalya from Uganda
Master's in Communication and Media Engineering

International Business Consulting (IBC)

The MBA program International Business Consulting (IBC), taught fully in English, prepares you for an international career in external or in-house consulting, controlling, or project management within any industry, in 15 months. Over the last few years the IBC program has been ranked in the field of Emerging Regional Business Schools. With optimally sized classes, an international student and praxis-oriented body, and interactive and practice-oriented approaches, you will acquire the expertise to boost your professional career. The MBA program consists of four main modules: Logistics, General Management, Information

Technology and Leadership Management. Furthermore, a wide range of electives in the field of Strategic and Operational Consulting is offered. If you are aspiring toward a career in business management, logistics, IT, or human resources, this is the perfect program for you.

The characteristics of the IBC program are small classes (about 20 students per year), which guarantees individual attention, personal advising to meet your career aspirations, and a highly interactive environment that facilitates maximum sharing of knowledge and experience.

Degree	Master of Business Administration (MBA)
Language of instruction	English
Duration of program	3 semesters
Beginning of studies	Winter semester (October)
Internship	Job experience of minimum 2 years (internships do not count)
Campus	Gengenbach
Link	www.mba-ibc.com

Graduate School

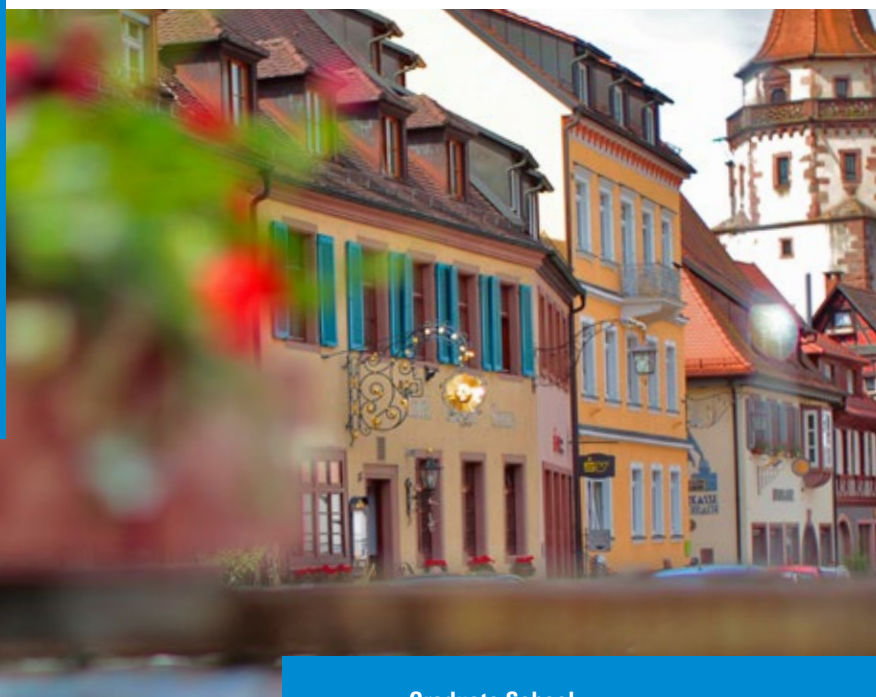


«After my studies and first professional experience in Paris, I decided to join the IBC program in Gengenbach because it is an international program that focuses on the core areas of the German and international business markets. With this expertise and my four languages, I feel confident about my chances in the European job market.»

Anna Zadkova, Russia
MBA in International Business Consulting

«I think that one of Offenburg's strongest points is the unique combination of expertise in finance, risk management and insurance. The professors have a unique global network with governments and the industry, which is really impressive.»

Florian Gantert, Germany
Treasury Analyst



Graduate School

Finance, Risk and Insurance (FRI)

Degree	Master of Business Administration (MBA)
Language of instruction	English
Duration of program	3 semesters, 90 credits
Beginning of studies	Winter semester (October)
Internship	At least two years of work experience
Campus	Online / distance learning and Gengenbach
Link	www.fri.hs-offenburg.de

The Master of Business Administration (MBA) in Finance, Risk and Insurance is designed for professionals who aspire to a successful career in finance, risk management as well as investment and trade credit insurance. This world-class postgraduate program will guide you through management and entrepreneurial leadership and financial and insurance skills enabling you to perform at the top of the international trade, finance and insurance industry. The online/distance MBA program takes 18 months to complete and will prepare you for senior roles that have major responsibility, accelerating your pro-

gress towards well-paid positions of leadership. The program provides a unique combination of the latest academic research, practical application and a broad variety of topics. Participants will learn from leading finance and insurance practitioners as well as renowned academics how to put academic thinking and business strategies into professional practice. The program is designed to be flexible in the delivery to cater for a diverse range of students from a variety of backgrounds, places and sectors.



«Enterprise and IT security is a key issue of the international economy, especially for a strong export country like Germany. The demand for experts in this field will far exceed the supply for many years to come.»

Prof. Dr. rer. nat. habil. Dirk Westhoff
Program Director

Media Department

Enterprise and IT Security (ENITS)

Degree	Master of Science (M. Sc.)
Language of instruction	English
Duration of program	3 semesters, 90 credits
Beginning of studies	Winter semester (October)
Internship	not required
Campus	Offenburg
Link	www.hs-offenburg.de/enits

Do you aspire to a leadership position in the field of IT security? The advanced, comprehensive Master's degree program Enterprise and IT Security (ENITS) of Offenburg University will open the doors for you and help you to achieve your goal. Our graduates are highly sought after as specialists in leading IT positions, as system and security administrators, network and security specialists, software developers, and experts in the

investigation and evidence protection of cyber-crime activities, among other areas. The course spectrum of ENITS covers not only the technical aspects of securing IT systems, enterprises and public institutions, but also the organizational and legal aspects of it. Throughout the ENITS study course, both theoretical and practical contents are taught and continuously correlated.





«Every experience while studying at Offenburg University has been worthwhile; starting from highly valuable lectures by business consultants and professors from various industry sectors to a warm, family bound atmosphere created by the faculty coupled with an exclusive blend of international students with diverse business experiences.»

Reethu Patel, India
MBA in International Business Consulting