

DIFFERENT

ANYWAY

Modern
Interdisciplinary
Practice-oriented



WELCOME



HAMM-LIPPSTADT UNIVERSITY OF APPLIED SCIENCES

A new university in Hamm and Lippstadt with plenty of design potential. Modern campus life, market- and practice-oriented study courses, openness, tolerance, team spirit, and high demands from the start.

The newly constructed and barrier-free campuses in Hamm and Lippstadt provide ideal conditions for the future-oriented education of engineers.

A total floor area of 32,250 square meters provides laboratories with state-of-the-art equipment, such as a scanning electron microscope, an industrial CT scanner, 3D projection surfaces, embedded systems or crane tracks, as well as plenty of space for student work, communication, teaching, and research.

With an interdisciplinary setup, our teaching focuses on both the promotion of individual strengths and the imparting of social competences, such as team work.

From the start, great importance is attached to project-oriented working.

Last but not least, creativity and communication are important factors required to prepare experts in engineering sciences, natural sciences, computer sciences, and economy for the future.

We are looking forward to welcoming young, curious, open-minded, creative people who are hungry to learn and will enjoy setting the course for the future – in teams and small groups, practice-oriented, in the middle of North Rhine-Westphalia.

JOINTLY INNOVATIVE



TRENDSETTING FOR RESEARCH, TEACHING, AND ORGANIZATION

Presidential Committee

The continually growing team of the Hamm-Lippstadt University of Applied Sciences is headed by the Presidium.

President Prof. Dr. Klaus Zeppenfeld sets the direction and represents the university externally.

Karl-Heinz Sandknop is the Chancellor and responsible for all administrative and organizational issues.

Vice President Prof. Susanne Lengyel takes on coordination and development tasks in the area of studies and teaching.

Vice President Prof. Dr. Dieter Bryniok is concerned with research and transfer.

International Networking

The International Office is dedicated to making a stay in Hamm and Lippstadt a valuable experience for foreign students. It is the contact point for guests for all issues concerning the organization of their studies. We want to promote a multinational and multi-cultural campus life, where everyone feels integrated. For this purpose, tandem and tutor programs as well as other services are being planned.

Hamm-Lippstadt University of Applied Sciences maintains a network of contacts in universities and companies abroad.

Co-operations with Australia, Austria, Brazil, China, Ghana, Israel, Jordan, Malaysia, Poland, Serbia, Thailand, Turkey, and the United States of America have been already established. New ones are continuously added.

GET IN TOUCH



OUR GENERAL CONSULTATION SERVICES

Campus Office

The Campus Office is, among other things, responsible for issuing student ID cards, study certificates and semester tickets, certificates of achievement, registration for and cancellations of exams, enrolment and deregistration.

International Office

The International Office supports and advises you in planning your stay abroad and helps international students when they study or want to study at Hamm-Lippstadt University of Applied Sciences.

Center for Knowledge Management

The Center for Knowledge Management is the central IT and media service provider for students at HSHL. Services include the libraries on both campuses, the Campus Portal with its learning platform and eLearning content, as well as the Language Service with its range of languages and training courses for scientific work.

General Student Counseling

The General student counseling advises students at both campuses on the degree programs at HSHL and on studies in general.

Career Service

The Career Service supports you when it comes to developing your individual career prospects, acquiring suitable additional qualifications, and writing promising application documents.

Alumni Service

The Alumni Service accompanies you after your graduation from Hamm-Lippstadt University of Applied Sciences and helps you to stay in touch.

THAT'S HOW IT WORKS



APPLICATION AND REQUIREMENTS

The application for a study program in Germany requires a so-called Hochschulzugangsberechtigung (HZB - university entrance qualification or higher education entrance qualification). As a rule, this is a school-leaving qualification equivalent to the standard of the German “Abitur” or “Fachabitur”.

As a basic requirement, the certificate has to be a higher education entrance qualification in the country of origin. Sometimes this is your secondary school leaving certificate. Sometimes it might be necessary to attend certain foundation courses. Please note: Each university follows a case by case approach and independently decides on the respective recognition.

First information whether your school certificates from your home country can be recognized is given by our Campus Office.

Certificates are checked individually for recognition. We will need all documents as verified copies of the original with a verified Eng-

lish or German translation of the original. Please follow the instructions given on our registration platform “Campus Office Online”.

Please note that the recognition of certificates can only be done during the regular application period, i.e. from May until mid-July of any year. We cannot screen your application in advance.

All queries concerning recognition can directly be resolved with the colleagues at the Campus Office.

A pre-study internship is not required in any of the degree programs – in lectures, seminars, exercises, and practical courses we closely interlink theory and practice and offer you a realistic impression of your future professional life, not least through the integrated practical semester. In addition, we offer preparatory courses prior to the start of the lectures, which make it easier to get started.

BACHELOR´S PROGRAMS | HAMM CAMPUS

Program	Degree	Language of instruction	Standard study period	Practical semester/ semester abroad	Enrollment
Biomedical Engineering	B. Eng.	German	7 semesters	5th semester	Winter semester
Energy Engineering and Ressource Optimization	B. Eng.	German	7 semesters	5th semester	Winter semester
Environmental Monitoring and Forensic Chemistry	B. Eng.	German	7 semesters	5th/6th semester	Winter semester
Intelligent Systems Design	B. Eng.	German/English	7 semesters	5th semester	Winter semester
Intercultural Business Psychology	B. Sc.	German/English	7 semesters	5th semester	Winter semester
Sports and Health Care Engineering	B. Eng.	German	7 semesters	5th semester	Winter semester
Technical Management and Marketing	B. Sc.	German	7 semesters	5th semester	Winter semester

B. Sc. – Bachelor of Science, B. Eng. – Bachelor of Engineering

Further information: www.hshl.de/en/studying

BACHELOR'S PROGRAMS | LIPPSTADT CAMPUS

Program	Degree	Language of instruction	Standard study period	Practical semester/ semester abroad	Enrollment
Applied Computer Science and Social Media	B. Sc.	German	7 semesters	5th semester	Winter semester
Business Administration	B. Sc.	German	6 semesters	optional	Winter semester
Electronic Engineering	B. Eng.	English	7 semesters	5th semester	Winter semester
Industrial Engineering with Business Studies	B. Eng.	German	7 semesters	5th semester	Winter semester
Material Design – Bionics and Photonics	B. Sc.	German	7 semesters	5th semester	Winter semester
Mechatronics	B. Eng.	German	7 semesters	4th semester	Winter semester
Visual Computing and Design	B. Sc.	German	7 semesters	5th semester	Winter semester

B. Sc. – Bachelor of Science, B. Eng. – Bachelor of Engineering

Further information: www.hshl.de/en/studying

BACHELOR OF SCIENCE



Location:

- Lippstadt Campus

Standard study period:

- 7 semesters

Practical semester/semester abroad:

- included, 5th semester

Language of instruction:

- German

APPLIED COMPUTER SCIENCE AND SOCIAL MEDIA

Communication-oriented systems

The bachelor's degree course is a program focussing on applied computer sciences supplemented by the basics of social media such as Facebook, Twitter, WhatsApp or YouTube. They have radically changed today's reality of life and our way of working.

Whether in the private domain or for professional applications, for instance in organizations, administrations, and businesses, the possible ways of communication, that is the interaction between sender and receiver, the sharing of or commenting on news and images puts high requirements on the developer and operator of such media. The study program takes up these challenges.

Social media in the business context have a particularly great development potential. Their sustained success depends on the correct technical support for improving the communication from person to person, the application of suitable technologies, and the users' responsible dealing with the contents, also under aspects of data protection laws.

The study program imparts fundamentals of computational sciences with an interdisciplinary approach and directly relates them to the application. Practical modules, a practical semester, and project work prepare the students for their professional life. In addition to the regular attendance study program, the integrated degree course puts a strong emphasis on practical relevance.

The occupational prospects of an information scientist cover a broad range. Regardless whether specifically focusing on the theme of social media or on other fields of computer sciences, the fundamentals of communication and pursuing a critical approach to information technologies are an advantageous precondition for a successful engagement in a modern company.

Elective subject profiles:

- Cyber Security
- Industrial Espionage
- Interaction and Communication

BACHELOR OF ENGINEERING



Location:

- Hamm Campus

Standard period of study:

- 7 semesters

Practical semester/semester abroad:

- included, 5th semester

Language of instruction:

- German

BIOMEDICAL ENGINEERING

Medical science as a multidisciplinary field

Biology, physics, chemistry, computer sciences, and genetics are the basis for new interdisciplinary developments and progress in medical science, for example, in intelligent data analysis as well as the continued and new development of imaging methods or high-tech equipment such as ultrasonic, X-ray and other analysis systems. Inventive materials for implants as well as innovative genetic technologies and bio-microsystems technology play a major role in medical therapy and the further development of molecular diagnostics.

All in all, these are complex systems, which require both scientific knowledge and an interdisciplinary understanding in particular.

The study program imparts fundamentals of natural sciences with an interdisciplinary approach and directly relates them to the application. Practical modules, a practical semester, and project work prepare the students for their professional life, for ex-

ample, in the development, construction, and programming of appliances or in health care management.

After earning the bachelor degree, various professional possibilities present themselves, for example, in medical engineering companies, hospitals, scientific institutions as well as research and development departments in fields such as quality management, sales, and consulting or technical services in enterprises. Authorities working in the fields of medical device monitoring and occupational safety or biotech companies and contract laboratories as well as software companies with a biomedical orientation are other typical branches.

Major fields of study:

- Computer Sciences
- Medical Engineering
- Diagnostics
- Medical Technology Management

BACHELOR OF SCIENCE



Location:

- Lippstadt Campus

Standard study period:

- 6 semesters

Practical semester/semester abroad:

- optional

Language of instruction:

- German

BUSINESS ADMINISTRATION

Perspective market

Regardless whether medium-sized enterprise or multi-national group, consulting firm or technology production – economic know-how is required in all companies. Operational business or strategic aspects, the requirements specification for business economics is continuously developing further and the challenges the management is confronted with are growing: globalization, international markets, unstable competition and framework conditions, changing financial instruments, and the micro-segmentation of target groups with all consequences for individualized products are only a few adjustment screws for business success.

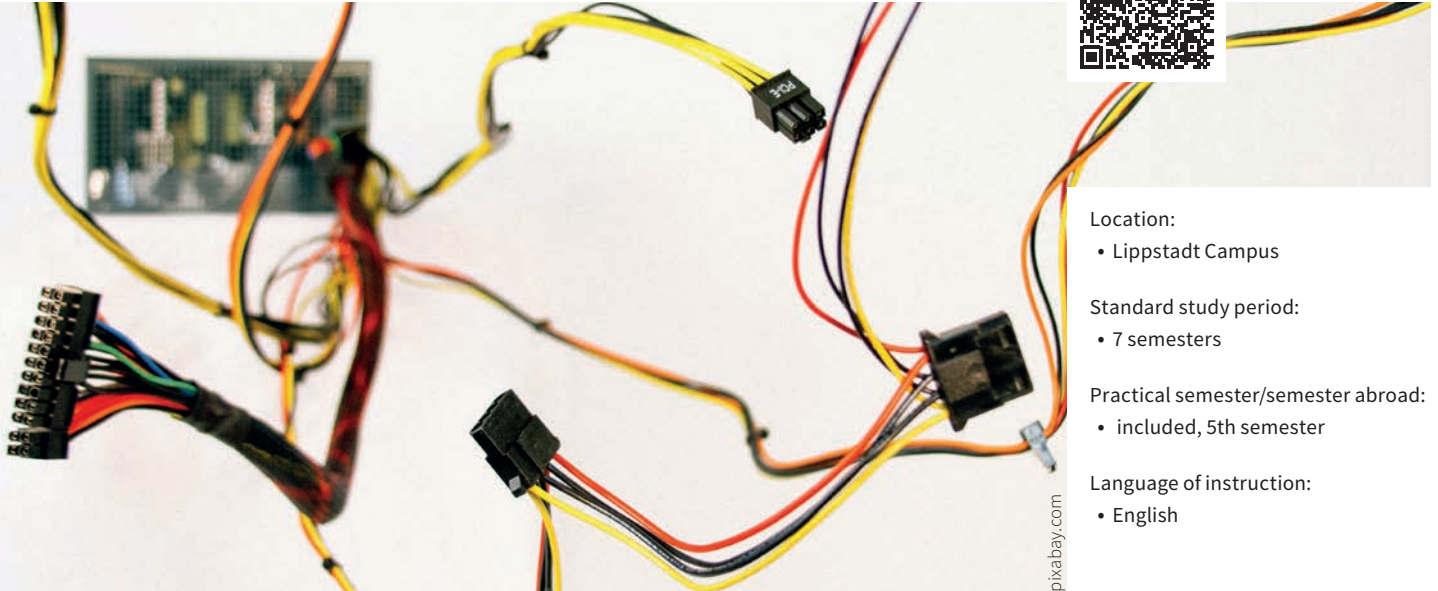
The “Business Administration” bachelor’s degree program takes up these tendencies and imparts necessary core competencies through a broad education in all important functional areas of business administration and related fields of knowledge.

Owing to the great choice of specialist business administration subjects and areas of specialization, all typical work areas are wide open to the graduates of this degree course and offer opportunities for individual profiling and specialization, for example, in accounting, marketing, or human resource management.

Major fields of study:

- International Studies
- Design and Marketing
- Small and medium-sized and family enterprises

BACHELOR OF ENGINEERING



Location:

- Lippstadt Campus

Standard study period:

- 7 semesters

Practical semester/semester abroad:

- included, 5th semester

Language of instruction:

- English

ELECTRONIC ENGINEERING

Electronic systems are everywhere

In the age of digitalization with current application areas such as connected and autonomous driving or Industry 4.0, the discipline of electronics is essential. The tight integration with computer science, which is the only way to develop complex, usually highly interactive systems, currently provides the breeding ground for more than 80% of innovations in application domains such as transport, medicine, telecommunications, automation, and smart home. Electronics is one of the most important disciplines in industry and business, and electronic engineers trained in Germany enjoy an excellent reputation worldwide.

A major goal of the bachelor program is to prepare you for your professional work as an electronic engineer and the involved current and future challenges. In order to achieve this objective, the program not only promotes a close interrelation of the topics of electronics and computer science, but also provides a holistic understanding of system development. This allows you to apply standardi-

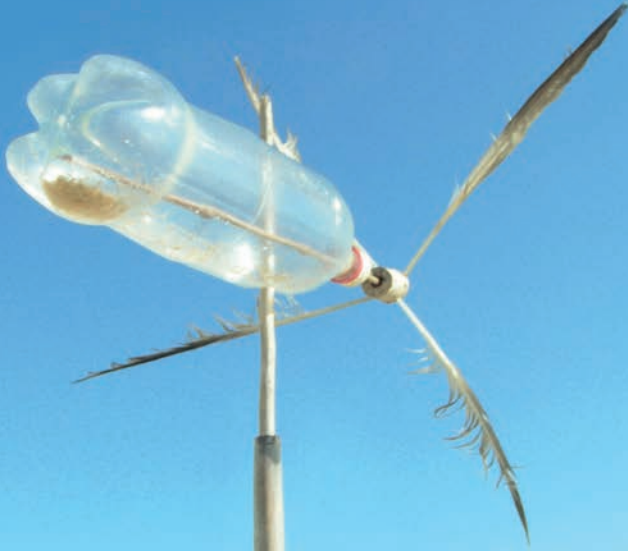
zed modeling techniques to develop complex systems in an interdisciplinary manner and enables you to create design models with common tools and implement them, for example, using 3D printing technologies.

The “Electronic Engineering” degree program enables students to take up a qualified job in many areas of industry, with service providers, and in the public sector. Due to the acquired technical and interdisciplinary qualifications as well as the high practical relevance of the “Electronic Engineering” program, the students have the opportunity for taking a qualified employment in specialist and management positions in the following typical areas of application: research and development, production, marketing and sales of technical products, service, and project management.

Major fields of study:

- Autonomous Systems
- Embedded Electronic Engineering

BACHELOR OF ENGINEERING



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Location:

- Hamm Campus

Standard period of study:

- 7 semesters

Practical semester/semester abroad:

- included, 5th semester

Language of instruction:

- German

ENERGY ENGINEERING AND RESOURCE OPTIMIZATION

Managing the future

Pipelines, power plants, wind turbines, and solar collectors, biogas plants or combined heat and power units? Environmental protection, resource depletion, and new technologies play a major role in planning how energy can be optimally provided and used, how new technologies can be integrated into existing structures and markets, and how the resulting changes in the energy supply industry can be managed. These are decisive issues for our everyday life – already today and even more so for the generations to come.

“Energy Engineering and Resource Optimization” offers a broad education with technical and interdisciplinary contents for young executives-to-be, who will tread new paths with their vision and creativity, their networked thinking as well as a willingness to make changes. Whether in building services engineering, for energy facilities and infrastructural systems or in the field of regenerative energies, in combination with modern communication and

information technologies, engineers develop innovative, intelligent, and efficient supply systems.

The study program imparts fundamentals of natural sciences with an interdisciplinary approach and directly relates them to the application. Practical modules, a practical semester, and project work prepare the students for their professional life.

With a bachelor degree, a wide variety of career prospects is available in the energy management of utility companies or energy service providers, in various public sectors, in consulting companies, planning offices or in the science sector.

Major fields of study:

- Energy Systems and Infrastructure
- Renewable Energies
- Building Services Engineering
- Energy Informatics

BACHELOR OF ENGINEERING



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Location:

- Hamm Campus

Standard period of study:

- 7 semesters

Practical semester/semester abroad:

- included, 5th/6th semester

Language of instruction:

- German

ENVIRONMENTAL MONITORING AND FORENSIC CHEMISTRY

Tracking down the culprit...

The fascinating aspect of the CSI crime series is probably the high-tech methods used for investigation: ballistic trajectory calculations of bullets, analyses of blood splatters, crime scene reconstructions, experiments and tests, hair and fingerprint analyses. All these assays are based on new instrumental measuring and analysis methods.

The “Environmental Monitoring and Forensic Chemistry” degree course is based on scientific-technical education and simultaneously conveys methodological competence in the fields of environmental analysis and forensic chemistry.

Due to the practical relevance of the study path as well as the broad analytical orientation, the future occupational area is not narrowed down to forensic-oriented activities or food chemistry.

A degree in this study path qualifies graduates for analytical work in the classic fields of chemistry and chemical engineering.

Besides that, research and development areas as well as quality management in the pharmaceutical industry, in the automotive supply industry as well as in machine engineering and the electrical industry are supported by analysts. Other key areas of work are environmental protection and occupational safety as well as food monitoring.

Major fields of study:

- Chemical Forensics
- Food and Environmental Analysis

BACHELOR OF ENGINEERING



Location:

- Lippstadt Campus

Standard study period:

- 7 semesters

Practical semester/semester abroad:

- included, 5th semester

Language of instruction:

- German

INDUSTRIAL ENGINEERING WITH BUSINESS STUDIES

Engineering and business management

In companies, many details are critical for creating added value. An important prerequisite for this is interdisciplinary know-how equally considering business issues and technical processes.

Strategic vision and detailed knowledge of operational processes are both imperative. That is why experts with an awareness of the big picture and with an understanding of engineering issues and modern business management are in demand.

Whether in the industry or in the service sector, industrial engineers operate at the interface between economics and technology. They mediate between the disciplines and keep an eye on business process chains from purchasing to production through to sales and distribution. In professional life, expertise and especially communication skills and team orientation are of great importance for a successful employment in fields like production planning, marketing and distribution, technical purchasing or quality management.

The study program imparts fundamentals of engineering sciences with an interdisciplinary approach and directly relates them to the application. Practical modules, a practical semester, and project work prepare the students for their professional life.

There are various occupational prospects: machinery and plant engineering, IT, EDP, computer sciences, traffic and transport, automotive and aerospace industry, energy and medical engineering, consumer goods industry, high-tech industry, and consulting firms.

Major fields of study:

- Quality Management
- Technical Purchasing
- Sales and Marketing

BACHELOR OF ENGINEERING



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Location:

- Hamm Campus

Standard period of study:

- 7 semesters

Practical semester/semester abroad:

- included, 5th semester

Language of instruction:

- German and English

INTELLIGENT SYSTEMS DESIGN

Clever ways of developing smart technologies

Communicating online all day long and everywhere, operating devices without touching them, closing the shutters at home via an app while away from home, checking the content of the fridge online, securing a parking space with a power charging station for the electric car outside the 3D cinema thanks to valet parking, and, when you enter the pleasantly air-conditioned loft in the evening, soft light welcomes you and the food ordered online during the day was already delivered in an ice box. Besides imagination and vision, the time factor plays an important role for the further development of new intelligent systems and their integration into the environment: in other words, speed to get products and applications ready for the market. In this process, algorithms are the basis, while programming, simulation processes, modelling, prototyping, and design are the tools.

The study program imparts fundamentals of computer sciences with an interdisciplinary approach and directly relates them to the appli-

cation. Another important aspect during the studies is the subject of business formation as an option after the bachelor's degree.

After successful graduation, you can continue your academic career with a master's degree course or you start your practical career and work as an engineer in a company. Another option is: you go freelance in the fields of software development, mobile computing or as an embedded systems engineer. In the industry, such experts are required in branches like communication, electrical engineering and electronics, industry and consumer electronics, machinery and plant engineering, in the automotive and aerospace industry, automation engineering, robotics, microsystems and precision engineering, or medical technology.

Major fields of study:

Cyber Security

Embedded Systems

Mobile Computing

BACHELOR OF SCIENCE



Location:

- Hamm Campus

Standard period of study:

- 7 semesters

Practical semester/semester abroad:

- included, 5th semester

Language of instruction:

- German and English

INTERCULTURAL BUSINESS PSYCHOLOGY

The whole world inclusive

We live in a world of internationalization and globalization in all spheres of life. Consequently, the ability to understand people from other cultures and successful communication are of constantly growing significance.

In working life, too, knowledge of the psychological principles of intercultural communication and collaboration is increasingly important. Knowledge of these processes and so-called intercultural competencies are consistently imparted in the bachelor's degree course "Intercultural Business Psychology".

It is about the human being and his behavior as well as decision-making processes in economic contexts.

Students analyze the social interactions in the working world as well as contacts between companies and their customers by means of human science methods. Here, psychology, human

science methodological competence, and economics play a role and are complemented with intercultural communication and teamwork, presentation techniques, and foreign languages.

Business psychologists work, for example, in human resource management where they are responsible for the selection and development of personnel. Additionally, the fields of marketing and market research as well as large management consulting firms or the freelance sector provide different entry-level career opportunities.

Major fields of study:

- Work and Organizational Psychology
- Market and Consumers Psychology
- Economic Psychology

BACHELOR OF SCIENCE



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Location:

- Lipstadt Campus

Standard study period:

- 7 semesters

Practical semester/semester abroad:

- included, 5th semester

Language of instruction:

- German

MATERIAL DESIGN - BIONICS AND PHOTONICS

Creative ways of designing the future

Nature offers a veritable treasure trove of optimally functioning systems. Uncovering these assets, which means taking nature as a model, understanding its functionalities, and incorporating them in new technical materials and products, is the core of the still rather young discipline of bionics. Chemistry, physics, and biology thereby provide the natural science foundations. Combined with engineering courses, such as technical mathematics, mechanics as well as construction technology and electrical engineering, and in combination with the key disciplines of materials science, optics, and lighting technology as well as design, a unique study course arises. Due to its interdisciplinary approach, it offers a very broad spectrum in the development of new materials for products and technologies of tomorrow's industries.

The study program imparts fundamentals of natural sciences with an interdisciplinary approach and directly relates them to the application.

Practical modules, a practical semester, and project work prepare the students for their professional life.

The broad knowledge base acquired in the “Material Design - Bionics and Photonics” study path enables science-oriented engineers to contribute to the development of future innovations and the improvement of existing solutions.

The possible spectrum is broad and includes, for example, product and project management, design, production, as well as sales and distribution. Typical branches are the lighting industry, materials development, industrial and consumer electronics, machinery and plant engineering, automotive and aerospace industry, nano- and microstructure technology or medical engineering.

Major fields of study:

- Lightweight Constructions
- Photonics

BACHELOR OF ENGINEERING



Location:

- Lippstadt Campus

Standard study period:

- 7 semesters

Practical semester/semester abroad:

- included, 4th semester

Language of instruction:

- German

MECHATRONICS

High-tech for modern living and working environments

A modern, interdisciplinary engineering science. The fundamentals are mechanical engineering, electrical and control engineering as well as computer sciences. The knowledge acquired in these disciplines is complementary and enables mechatronics engineers to develop various systems for high-tech products as we find them everywhere today: cell phones, automobiles, aircrafts and trains, energy and production facilities, logistics systems, light-emitting diodes (LEDs and OLEDs), imaging technologies and laser-based applications through to the megatrend of electric mobility. Based on the intelligent combination of mechanical engineering, electrical engineering, and computer sciences, “Mechatronics” generates new prospects today for the world of tomorrow.

In addition to the regular attendance study program, the integrated degree course in “Mechatronics” puts a strong emphasis on practical relevance. After earning the bachelor degree, the graduates can choose from varied occupational careers: for example,

in fields like electrical engineering and electronics, industrial and consumer electronics, machinery and plant engineering, automotive and aerospace industry, automation engineering, robotics, microsystems and precision engineering or medical engineering. The spectrum is enormous: product or project management, design, production, sales and distribution or product services.

Hamm-Lippstadt University of Applied Sciences offers the “Mechatronics” degree course in different variants: regular attendance study program, international study program, dual study program integrating practical experience, dual study program integrating vocational training, education.

Major fields of study:

- Lighting Systems Engineering
- Global Production Engineering
- Systems Design Engineering

BACHELOR OF ENGINEERING



Location:

- Hamm Campus

Standard period of study:

- 7 semesters

Practical semester/semester abroad:

- included, 5th semester

Language of instruction:

- German

SPORTS AND HEALTH CARE ENGINEERING

Knowledge of the human being creates new products

Sports, health care, and technologies – three areas that have a lot to do with each other: in a general sense, but, above all, from a technology-based perspective, such as that of engineers when it comes to the development of new technologies and products in these fields of application.

In “Sports and Health Care Engineering”, typical engineering disciplines, such as materials engineering, construction and product design or production techniques in combination with a fundamental understanding of the human organism play an important role. The study program attaches great importance to profound knowledge in the form of fundamentals of anatomy, biomechanics, physiology etc. as this is the basis for the development of new products in the sports and health care sector as well as in other industries where, for example, ergonomic issues have a great impact on product development.

The study program imparts fundamentals of natural sciences with an interdisciplinary approach and directly relates them to the application. Practical modules, a practical semester, and project work prepare the students for their professional life.

There is a wide range of career prospects for design, development and production engineers in sports and health-care product development and in the field of product tests. Furthermore, the interdisciplinary orientation of the degree course qualifies the graduates for other industries, for example, the automotive sector.

Major fields of study:

- Training Devices
- Mobility and Safety
- Assistive Technologies
- Healthy Working Environments

BACHELOR OF SCIENCE



Location:

- Hamm Campus

Standard period of study:

- 7 semesters

Practical semester/semester abroad:

- included, 5th semester

Language of instruction:

- German

TECHNICAL MANAGEMENT AND MARKETING

Developing intelligent markets

In a globalized economy, companies are subject to constant change. Anticipating what factors positively influence competitiveness and growth thereby presents particular strategic challenges to, among others, the innovation management in technology companies.

The requirements profile is broad: exploring market opportunities and recognizing business risks at an early stage, demand-oriented design of product innovations, respecting trade mark rights, and protecting patents. Furthermore, future-oriented developments and the intelligent application of efficient and resource-sparing technologies gain an ever-increasing importance in times of demographic change.

The study program takes up interdisciplinary issues. Besides the imparting of basic engineering knowledge, sustainable management, eco marketing as well as new business models and types of enterprises are just as important as the management of business

risks, the organization and structuring of processes of change as well as the planning of strategic technology marketing.

The program imparts fundamentals of engineering sciences with an interdisciplinary approach and directly relates them to the application. Practical modules, a practical semester, and project works prepare the students for their professional life.

The bachelor degree opens up a wide range of professional fields in technology-driven industries, sectors, and companies.

Major fields of study:

- Risk Management
- Green Business
- Technology Marketing
- Information Technologies

BACHELOR OF SCIENCE



Location:

- Lippstadt Campus

Standard study period:

- 7 semesters

Practical semester/semester abroad:

- included, 5th semester

Language of instruction:

- German

VISUAL COMPUTING AND DESIGN

If man and machine communicate

Everyone is familiar with the many small displays and digital media on devices and appliances used to adjust settings or the interactive touch screens for navigating by means of systems and simulated views of products, buildings or objects.

All of them are based on the visualization of information and functions and backed by complex systems consisting of technical components and elaborate software.

However, even the best technology does not automatically lead to a good, intuitive operability or a convincing look; this additionally requires a target group-specific and user-oriented design.

This, in turn, implies an understanding of what expectations people have on objects and products or how people behave when they operate a machine, a smartphone, a car or a ticket machine.

The degree course is about this interplay, the integrated approach to the conception and development of technical systems as well as their interfaces towards people. Besides technical fundamentals, which are relevant for visual computing, another focus is on the conceptual and design perspective.

The consistently interdisciplinary orientation of the degree program in the field of applied computer sciences opens up a variety of occupational work areas.

Compulsory optional profiles:

- User Experience
- Visualization

MASTER´S PROGRAMS | HAMM CAMPUS

Program	Degree	Language of instruction	Standard study period	Additional certificate	Enrollment
Applied Biomedical Engineering	M. Sc.	German	3/6 semesters	Medical physics-expert	Summer semester
Biomedical Management and Marketing	M. Sc.	German	3 semesters	-	Summer semester
Environmental and hazardous substance analysis	M. Sc.	German	3 semesters	-	Summer semester
Intercultural Business Psychology	M. Sc.	English	3/6 semesters	-	Summer semester
Product and Asset Management	M. Sc.	German	3 semesters	-	Summer and winter semester
Product Development and Business Studies	M. Eng.	German/English	3 semesters	-	Summer semester

Further information: www.hshl.de/en/studying

MASTER'S PROGRAMS | LIPPSTADT CAMPUS

Program	Degree	Language of instruction	Standard study period	Additional certificate	Enrollment
Business Administration	M. Sc..	German/English	4 semesters	-	Winter semester
Business and Systems Engineering	M. Eng.	German	3/5 semesters	-	Summer and winter semester
Technical Consulting and Management	M. Sc.	German/English	3/6 semesters	-	Summer semester recommended
Technical Entrepreneurship and Innovation	M. Sc.	German	3/6 semesters	-	Summer semester recommended

M. Sc. – Master of Science, M. Eng. – Master of Engineering

Further information: www.hshl.de/en/studying

CONTACTS AND FURTHER INFORMATION

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www.hshl.de/en/international-office

General student counseling

Phone: +49 (0)2381 8789-130

E-Mail: studienberatung@hshl.de

www.hshl.de/en/general-student-counseling

Our study programs

www.hshl.de/en/studying

University entrance qualification and online registration

www.hshl.de/en/online-registration

www.hshl.de/en

VISITING ADDRESSES

Hamm Campus

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59063 Hamm

Lippstadt Campus

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59557 Lippstadt

Further information: www.hshl.de/en/locations

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As per: 01/2019

YOUR FUTURE!