in English



About Us

As an accredited and state-recognised university, we see ourselves as the ideal link between practice-based academic training and companies' real needs for skilled professionals and managers. Thanks to lecturers with professional and managerial backgrounds and applied research projects the practical relevance of the course is guaranteed. Whether part-time, dual or full-time, our range of business, industrial engineering and engineering degree programmes meet all the requirements for an individual course of study and a successful start to your career. In brief, bbw Hochschule – University of Applied Science is the perfect springboard for a career in business.

What sets us apart?

Our practical focus

Our professors and lecturers hold specialised and management positions in companies alongside their academic work and can therefore draw on a wealth of experience from founding companies or their involvement in applied research projects.

Our links to the business community

We develop our degree programmes in response to the real needs of the business community in Berlin and Brandenburg, thereby creating the ideal bridge between higher education and existing professions.

Our cosmopolitan outlook

With a student body numbering around 1,000, we are now one of the largest state-recognised private universities in Berlin and Brandenburg. Our students hail from all over the world and are discovering Berlin as their new home thanks to their studies.

Based on the quality management system implemented, the bbw Hochschule – University of Applied Sciences has been certified to independently develop and run high-quality degree programmes.

Contact

We look forward to answering your questions. Contact us for more information or make an appointment.

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Discover Higher Education

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Hochschule
University of
Applied Sciences



Industrial Engineering

Business Engineering in Digital Transformation

full-time study

Master's Programme
Master of Science, M. Sc.

Digital transformation affects almost all areas of a company. Therefore, the students can be employed in a variety of ways after they graduate. The course aims to impart application-oriented knowledge in the area of digital transformation of business processes in interaction with engineering implementation.

The graduates are able to coordinate this digital transformation in companies and are the interface between IT and other corporate areas such as production, marketing or purchasing. Specialist knowledge in the areas of information technology, engineering and business administration should be conveyed in an application-oriented manner within the framework of digitalization and implemented by the students in a practical manner.

Companies in Germany currently need more than a hundred thousand employees (according to various studies). The demand for qualified employees in the area of digitalization will continue to increase exponentially in the next few years, so that in just a few years more than 4 times as many jobs will have to be filled as before. The topic of digitalization also affects all industries and sectors and is one of the central topics in the future. By choosing this course of study, you will be a sought-after specialist and will be able to choose the job that best suits you in the future.

www.bbw-hochschule.de

Overview

Degree
- Master of Science (M. Sc.)

Credit Points
- 120 CP

Study Type
- Full-time course

Course Language
- English

Duration
- 2 years or 4 semesters

Tuition Fee
- 4 installments of EUR 3,840.00

Registration Fee
- For applicants from non-EU countries: EUR 250

Course Start
- Courses start in April and October each year.

Application Deadline
- For applicants from non-EU countries:
  15th of February for the summer semester
  15th of August for the winter semester

Admission Requirements
- Bachelor‘s Degree or higher
- English language certificate level B2 or higher (Common European Framework of Reference)

The Programme

Our professors and lecturers integrate the knowledge and experience they have acquired in industry directly into their classes. Lessons are prepared and delivered according to the latest teaching methods, which includes presentations, case studies and active discussions.

Excursions and guest lectures provide students with extra grounding in the specialist field of Digitalization of business processes and allows students to apply the knowledge acquired through in-class presentations in a working environment.

In the final semester, students are to prepare a Master‘s thesis that will be assessed according to the academic standards of the university based on the quality requirements of the German conference of ministers of education.

Benefits of Studying with Us

You focus on your studies. We take care of the rest!

- A new campus with state-of-the-art facilities
- Small groups of students and individual support
- Professors with experience in the relevant industry
- Fixed semester schedules
- A good balance of work, study and leisure time
- Accredited and state-recognised university
- Support in getting your career off to a good start

Practice-oriented Study

Our professors possess profound experiences in their relevant industry. They incorporate their networks into the lectures with a strong focus on practical elements.The course consists of lectures, seminars and excursions. In addition, eLearning (up to 25 % of study time) and online lectures provide flexibility and individuality.

Career Prospects

In order for global manufacturing companies to remain competitive, they must face the challenges of digitalization. The successful transfer of previous economic and technical processes to digital processes requires the know-how of specialists.

The bbw University of Applied Sciences has developed the master‘s degree program „Business Engineering in Digital Transformation“ in order to provide future specialists for companies in order to be well prepared for global competition in the area of digitalization of company processes. The broad spectrum of the course allows you to specialize in your job in different areas of the company. The students have skills that are useful for small and medium-sized companies as well as large companies.

There are opportunities for our graduates in the following industry sectors:

- Mechanical Engineering (small and medium-sized companies as well as large companies)
- Automotive Industry
- Medical Sector
- Automation Technology and Robotics
- Traffic and Transport Technology
- Authorities
- Consulting



Study Content

- Theory of Science and Methods in Research
- Project Management
- Legal Basis of Digitalization
- Business Process Management and Model Transformation
- Technical German as a Foreign Language I
- IT Security Management
- Digital Business and Business Analytics
- Digital Supply Chain Management
- Software Development and Programming
- Technical German as a Foreign Language II
- Advanced Engineering
- IT Management
- Data Science and Artificial Intelligence
- Simulation in Engineering
- Student Scientific Research Seminar
- Intercultural Communication
- Sustainable Corporate Management and Methods of Planning
- Student Consulting Project (SCP)
- Customer Relationship Management

Final Examination
- Master Thesis and Colloquium