Facts

Entry requirements

Abitur or Fachhochschulreife or a previous education recognized as equivalent and proof of a practical activity of ten weeks duration (preliminary internship). The proof must be provided by the beginning of the fourth semester at the latest. However, it is recommended to complete the pre-study internship before commencing your studies. Details can be found in the examination regulations.

Language requirements

The language of instruction is German. Applicants must have the language skills required for the programme and present a recognised certificate.

Duration of study

7 Semesters (210 credit points)

Degree

Bachelor of Science (B.Sc.)

Application and start of studies

Applications can be submitted online at *www.fh-bielefeld.de/studium/bewerbung* from the beginning of June. The closing date for applications is July 15th. Lectures commence in the winter semester.

Place of Study

Bielefeld University of Applied Sciences
Faculty of Engineering and Mathematics
Interaktion 1
33619 Bielefeld

www.fh-bielefeld.de/ium

Contact

Bielefeld University of Applied Sciences
Interaktion 1
33619 Bielefeld
Germany

For general questions about studies

Central Student Advisory Service
Telephone +49.521.106-7758
zsb@fh-bielefeld.de
www.fh-bielefeld.de/zsb

For questions about application and admission

Student Services
Birgit Korff
Telephone +49.521.106-7831
birgit.korff@fh-bielefeld.de
www.fh-bielefeld.de/studierendenservice

For subject-specific questions

Student Advisory for Engineering and Mathematics
Telephone +49.521.106-7260
beratung.ium@fh-bielefeld.de

Bachelor's Programme

Industrial Engineering and Management

Bachelor of Science

English Translation

FH Bielefeld
University of
Applied Sciences

Study Goals

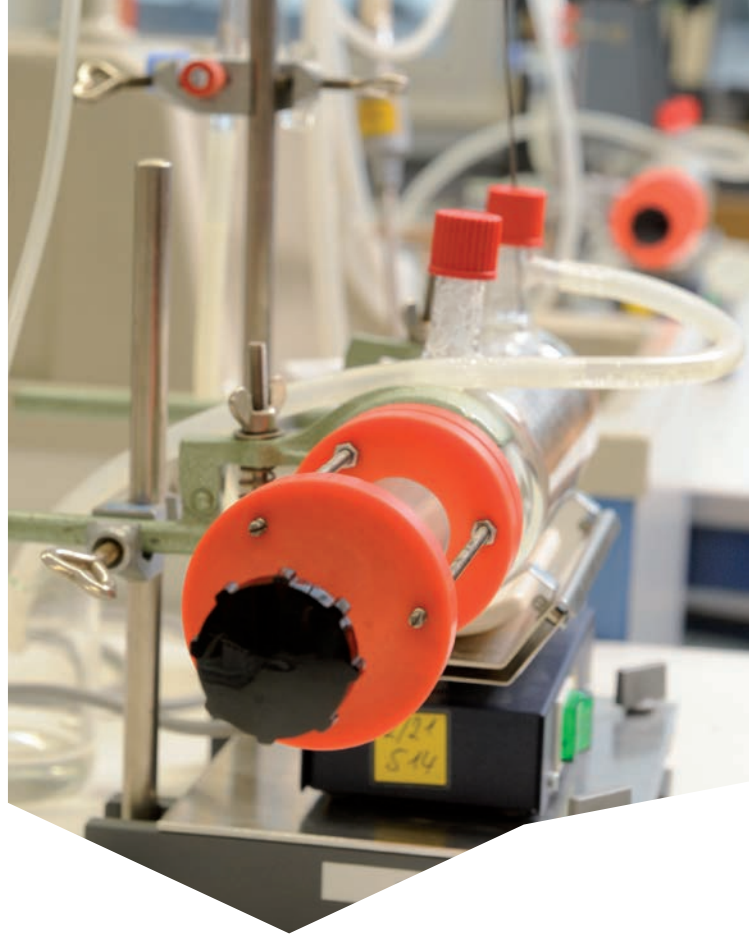
The Bachelor's programme in Industrial Engineering and Management qualifies students to become integrative problem-solving experts, so that they can act as interface managers between economics and technology when they start their careers. Their broad interdisciplinary knowledge from technical and business disciplines will enable them to solve operational problems and to plan, optimise and implement business processes. They are optimally prepared for this task through practice- and project-oriented training. Within the framework of the Bachelor's thesis, which is realized in cooperation with industrial companies, the interdisciplinary knowledge and the methodological competencies acquired during the studies are implemented in a result-oriented manner. Through the two specialisations "Production Management" and "Technical Sales", individual inclinations can be matched to the focus, e.g. in the fields of production/ logistics/materials management or in the field of marketing/ sales, so that the course of studies not only provides a general, broad-based basic qualification, but also individual professional profiles.

Course of Studies

The Bachelor's programme in Industrial Engineering and Management comprises seven semesters, including a 12-week practical phase or a semester abroad. The contents of the course are distributed evenly between scientific/ mathematical/technical modules and business administration subjects. In addition, interdisciplinary modules such as languages or projects are anchored in the course of studies. The course of study is modular, the exams are taken during the course of study after completion of the individual modules.

Structure and Contents

1st Semester	▪ General Business Administration ▪ Career Focused Training ▪ Electrical Engineering ▪ Mathematics 1 ▪ Physics ▪ Technical Mechanics
2nd Semester	▪ Electronics ▪ Computer Science ▪ Capital Investment and Financing ▪ Construction ▪ Mathematics 2 ▪ Materials Engineering
3rd Semester	▪ Corporate Accounting ▪ Cost and Activity Accounting ▪ Marketing ▪ Machine Components ▪ Measuring Technology ▪ Statistics
4th Semester	▪ Automation Systems ▪ Controlling ▪ Manufacturing Processes ▪ Logistics ▪ Project 1 ▪ Business English
5th Semester	▪ Project 2 ▪ Quality Management ▪ Technical English ▪ Module of the respective specialisation ▪ Module of the respective specialisation ▪ FB IuM elective module
6th Semester	▪ Commercial and Taxation Law ▪ HR and Company Organization ▪ Process and Information Management ▪ Module of the respective specialisation ▪ Module of the respective specialisation ▪ Module of the respective specialisation
7th Semester	▪ Practice Phase ▪ Bachelor Thesis ▪ Colloquium



Career

The industrial engineers trained at the Bielefeld University of Applied Sciences have a broad, generalist study profile due to the course of studies, which nevertheless permits individual profile formation in the last semesters in the direction of "Production Management" and "Technical Sales".

This profile formation is not industry-related, but function-related. This allows graduates to work in almost all sectors, e.g. mechanical engineering, electrical engineering or information technology. With regard to their functional tasks, they are particularly predestined for the areas of production/material management/logistics/quality management and sales/ marketing.