



Staatlich anerkannte, private
**Fachhochschule des
Mittelstands (FHM)**

A young man with short dark hair and a beard, wearing a light blue button-down shirt, stands in the center of the image. He is smiling and looking towards the camera. The background features a clear blue sky with scattered white clouds, two large white wind turbines, and a row of solar panels in the foreground. The bottom of the image is overlaid with a green banner containing the text.

Bachelor of Engineering (B.Eng.) Management & Technology

B.Eng. Management & Technology

This English-language bachelors program Management and Technology is aimed at foreign applicants who want to qualify for the international labor market abroad or for jobs in internationally active companies.

The graduates of the course of studies Bachelor of Engineering (B. Eng.) Management and Technology are specialists for interfaces: Their activity fields lie everywhere, where it is necessary that technical and management thinking are made compatible with each other.

The processes and procedures in enterprises become increasingly more complex. Industry and services therefore need specialists that are technically experienced and can think businesswise. The Bachelor of Engineering (B. Eng.) programme Management and Technology educates such specialists. The objective of this course of study is a high-quality, profession-qualifying certification that enables the graduates to:

- ✓ cover a widely diversified spectrum of demanding tasks in business practice
- ✓ bring in the technical and financial viewpoint at any time flexibly and in an integrated way in the sense of a holistic problem
- ✓ learn on the basis of sound scientific basics in a lifelong way and to safeguard so the fitness both in the traditional field of activities and in fields of activities with similar problem and solution structures
- ✓ move in an international organization professionally and socially appropriate



Prof. Prof. h.c. Dr. Christoph Brake, Academic Director

The course of studies is based on a sound engineering and economic scientific foundation with much room for individual profiles. After a regular study time of three years, and following a successful graduation, the internationally acknowledged degree Bachelor of Engineering (B. Eng.) in Management and Technology is awarded.

The fact, that there are so many job vacancies in the field of Management and Technology and the university supports its graduates with finding jobs guarantees the graduates of the program excellent career opportunities.

Alternative majors: Mechanical Engineering & Energy and Environment

The English-language bachelor program Management and Technology will be completed in three years and distinguished itself by the highly qualified teaching. The fact that at the end of the course a time consuming internship is to be completed that contributes to intensive preparation of the students for their professional life.

For the technical report of their education, students can choose one of the two alternatives:

- › Mechanical Engineering
- › Energy and Environment Management

Overall it turns out that studying the English-language bachelor's degree of Management and Technology has the following advantages:

- ✓ two specialization alternatives:
Mechanical Engineering – Environment and Energy Management
- ✓ teaching language is English over three years
- ✓ setting up your own professional contact network
- ✓ internship
- ✓ mentoring program: professional and social support qualification for the international labour market
- ✓ Master's Program at universities possible

Alternative Mechanical Engineering

Part of the every day work of the industrial engineer is to develop innovative production techniques for (e. g.) the automotive industry, which count as those products for the markets of to-morrow due to strategic product innovations and new technologies. In the alternative Mechanical Engineering the students become acquainted with the specific requirements of the processes of manufacture as well as the current technology standards of the classical production procedures. An industrial engineer with this special abilities can evaluate the efficiency and sustainability of a production. His action is marked by a consciousness for future-oriented and ecology-minded procedures. The technology and innovation management is a further emphasis of this speciality. Through new technologies, enterprises can achieve decisive competitive edges for themselves.

Alternative Energy and Environment

The development of innovative drive techniques for the automotive industry, the management of a major building project under ecological aspects, and to control its progress or the testing of new storage facilities for regenerative energies, all belong to the daily business of a graduate Bachelor of Management and Technology. The emphasis on energy and environment provides specific knowledge and abilities in the field of energy management. With regard to the contents, it is a question of the targeted structure change in the energy supply as well as the necessity of an even better environmental and climate protection. The analysis of concepts and procedures of the economical and environment-friendly use of energy and its evaluation belong to the main tasks of a Bachelor of Management and Technology in the special area of energy and environment.

The program is organized as follows

first year:

- › Corporate Organization and Human Resources
- › Marketing and Distribution
- › Production Management and Investment
- › Product Design and Product Management
- › Mathematics
- › Engineering Mechanics
- › Information Science and Information Systems (ERP Systems)
- › Material Science
- › Quality Management
- › Maintenance Management
- › Project Management
- › Management and Leadership
- › Scientific Work

second year:

- › Cost and Activity Accounting and Controlling
- › Business Processes
- › PPC Systems
- › Cloud Technologies
- › Business Simulations
- › Business Intelligence and Data Analytics
- › International Management
- › Smart Work
- › Team Management, Presentation & Moderation
- › Intercultural Communication
- › **Electives Mechanical Engineering**
 - › Machine Design
 - › Manufacturing Engineering
 - › Control Engineering

- › Automation Technology

- › Smart Production

› **Electives Energy and Environment**

- › Environmental and Energy Management
- › Renewable Energy Technologies
- › Energy Economy
- › Energy Efficiency
- › Smart Energy

third year:

- › Entrepreneurship
- › Strategic Career Planning
- › Internship
- › Bachelor Thesis

Degree: Bachelor of Engineering (B.Eng.)

June 2019

Credit Points:	180
Location:	Berlin/Germany; Pulheim/Germany
Length of course:	3 years
Start:	October (application deadline: July 1st.)
Course language:	English
Academic requirements:	School leaving certificate (12th standard) and final grade is not less than 50% of the maximum grade English Language B2
Selection process:	An individual assessment will take place in your home country or in Germany



Download
application
form

For organisational and application inquiries

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How to apply

Requirements:

For a university entrance a higher school education certificate (12th standard) is required for acceptance into the Management and Technology program.

- a) School Leaving Certificate (following successful completion of 12 years at a Secondary School) so far as it can be proven that the final grade is not less than 50% of the maximum grade and an university internal assessment test (incl. a one week preparation seminar) or one year of successful bachelor study.
- b) School Leaving Certificate (following successful completion of 12 years at a Secondary School) in association with the proof of having passed both parts (Main and Advanced) of the entrance examination "Joint Entrance Examination" of the Indian Institutes of Technology.

Good English language skills that correspond to Level B of the CEFR (Common European Framework of Reference for Languages) or proof of English language to Bachelor Degree standard are required for the course. This language proficiency can be demonstrated with the following certificates:

- › ALTE level: Level 3
- › IELTS exam: minimum score of 5 - 6
- › TOEIC: score of 541 - 700
- › TOEFL iBT: minimum score 87
- › UNCert: minimum UNCert II

German language skills are not required for the International Technology Transfer Management Master's Program. However, a visa and residence permit is necessary to study in Germany.

Application Process:

You may commence the Bachelor's Program in the winter semester (beginning early October) The application deadlines is as follows:

- › **Winter term:** 1st July

Application Documents:

In order to consider your application for our Master's course, we need the following documents:

- › Application form
- › CV
- › Copy of Bachelor's degree
- › Copy of transcript of records/ mark sheets
- › Copy of passport
- › B2 English language certificate (IELTS min 5.0; TOEFL min. 87 pts.) or proof of English language Bachelor degree

- › **The application documents must be sent by email to:**
zrowotke@fh-mittelstand.de



You can download the application form here

Why study in Berlin?

Quite simply: Berlin is – especially for young people – one of the most attractive cities ever. This is not just an advertising slogan, but according to “Youthful Cities Index” even empirically proven: For this predicate is based on regular surveys among thousands of young people for the most youth-friendly cities in the world. Factors such as job offers, public transport, internet connection or the local film and music scene are evaluated.

Berlin was always among the top three of the hippest cities. Berlin is a city in motion. Berlin is not dignified or comfortable, but always surprising and breathless. Within a few months it will change as radically as other places in twenty years. Berlin may not have manners, but it has style. Here, people from different cultures mix. Berlin has opened continuously, the sidewalks are never folded up. Whether hectic or idyllic: there is virtually nothing that does not exist in Berlin.

Studying and experiencing – Berlin is the perfect place for that.

Further good reasons for studying at the FHM in Berlin:

Exciting Student Life: Berlin has a vivid nightlife with countless bars, pubs and clubs and also many unique locations such as the Mauerpark in Prenzlauer Berg, beach bars in Mitte or the Treptower “Badeschiff”.

Music Scene: Berlin is known worldwide for its electro, techno and house music. Every well-known DJ has already launched here, many music labels are producing their hits in the city and pop stars on world-tour usually stop by.

Fashion City: In Berlin the trends of tomorrow emerge. On the streets luxury and glamor naturally combine with a deliberate break in style. That’s what makes Berlin fashion famous internationally.

Cheap Living Expenses: Students live cheaper than in many other German cities. Also the costs for leisure and gastronomy are lower.

Art and Culture: Whether classical high culture or independent scene, whether Pergamon altar or backyard gallery, whether exhibitions, vernisages, museums, opera houses or theatres: Berlin has enough of everything and is possibly the most artistic city in the world.

Pure Nature: Berlin is full of parks, forests, meadows and lakes. If you want to relax in idyllic surroundings, you will always find the right place. No other metropolis is greener than this one!

