Energy Management

- Energy Management (B.Sc.)
- Business Administration – Specialization in Energy Management (M.Sc.)
Why Energy Management?

Energy is certainly one of today’s most challenging career opportunities

**Current challenges in the energy industry**

- Increasing requirements to protect climate and environment
- Growing needs to replace scarce fossil and nuclear energies
- Managing a generation mix increasingly relying on (intermittent) renewable energies
- Managing the energy transition by migrating from centralized power generation to smaller distributed generation assets
- Growing demand for energy savings and energy efficiency
- Changing markets due to market liberalization and globalization
- Reshaping of company structures and development of new business models
- Digitalization ("Energy 4.0")
Our four step concept to become an International Energy Manager

**Qualification target**

1. Bachelor (B.Sc.) International Energy Business Manager (International)
2. Bachelor International (B.Sc.)
3. Master (M.Sc.)
4. International Double Master Degree (1) (M.Sc.)

**Duration (Semesters)**

1. Bachelor (B.Sc.): 7
2. Master (M.Sc.): 3
3. International Double Master Degree (1) (M.Sc.): +1

(1) In planning

Why Energy Management?

In planning
Bachelor Energy Management (B.Sc.)

Upon 7 semesters the students of our bachelor’s degree program receive a qualification as energy experts

Structure of the bachelor’s degree program

**First cycle**

- Fundaments of business administration and energy management

**Second cycle**

- Deepening of business administration and energy management

Degree: Bachelor of Science (B.Sc.)
The bachelor’s program combines business administration with a thorough understanding of the utility value chain.

**Business administration and interdisciplinary topics**

Business administration / economics / civil law / soft skills etc.

**Energy topics**

- Generation
- Trading
- Grids
- Retail
Contents of the bachelor’s degree program

Energy
- Fundamentals of Energy Management
- Energy generation technologies
- Renewable energies
- Energy grids
- Energy trading and distribution
- ...

Elective courses:
- Energy and mobility
- Energy efficiency
- Sustainability management
- Energy politics
- Energy market Europe
- Smart Energy

Business administr. /interdisciplinary topics
- Business Administration
- Civil and corporate law
- Finance
- Mathematics and statistics
- Business informatics
- Strategic management
- Marketing
- Organization and human resources management
- Personality development/soft skills
- General studies
- ...

Interdisciplinary topics:
- Business administration
- Quantitative methods
- Practical application
- Law / energy law

Bachelor Energy Management (B.Sc.)
Master Business Administration – Specialization in Energy Management (M.Sc.)

Upon 3 semesters the master’s program leads to a qualification as energy manager

- Risk and asset management
- Management skills
- Corporate management
- International energy politics
- European and national energy law
- ...

Transformation of the energy industry
- Business model development
- Digitalization of the energy industry
- International energy projects
- ...

Business administration and interdisciplinary topics

Energy topics
Various career opportunities for our graduates

Career opportunities

- Administration/controlling/purchasing etc.
- Consulting
- Marketing and sales
- Energy procurement (electricity, gas, heat)
- Energy trading
- Energy retail
- Project management
- Finance and risk management
- Corporate development
- …
Our program offers various practical experiences

- Industry experts as visiting lecturers
- Excursions to companies
- One international excursion during the course of studies
- Practical semester and bachelor thesis in cooperation with companies
- Elective courses reflect current topics from the industry
We have established an advisory board consisting of high level leaders and consultants from the energy industry

Current members of the advisory board

- **Rainer Allmannsdörfer**, Head of Asset Management, EnBW Energie Baden-Württemberg
- **Dr. Karlheinz Bozem**, Owner & Managing Partner, bozem | consulting associates | munich
- **Markus Brokhof**, Member of the Executive Board, Head of Commerce & Trading Alpiq Holding AG
- **Dr. Bernd Gagsch**, Member of the Board, Fichtner Management Consulting AG
- **Christian Held**, Attorney and Partner, Kanzlei Becker Büttner Held
- **Dr. Christoph Helle**, Managing Director, MVV Energie AG
- **Daniel-Klaus Henne**, Managing Director Trading and Services, SüdWestStrom GmbH
- **Thomas Jakob**, Member of the Board, Kreissparkasse Biberach
- **Dr. Egbert Laege**, CEO, Powernext S. A., Member of the Board, European Energy Exchange AG
- **Dr. Thomas Meerpohl**, Director of Strategy and Group Development, Stadtwerke München GmbH
- **Hendrik Sämisch**, Founder & Managing Director Next Kraftwerke GmbH
- **Dr. Rudolf Schulten**, Senior Advisor, The Boston Consulting Group
- **Dr. Stefan Webers**, Head of Corporate Development/Strategy, EnBW Energie Baden-Württemberg AG
Our international network of partner universities

- Universities in more than 20 countries
- Financial support by the German Academic Exchange Service (DAAD)
With our so called “Bachelor International” we offer our students the option of a unique international double degree

“Bachelor International“ – Concept

- Program duration: 8 semesters (i.e. 1 additional semester) ⇒ 1 year abroad
- 5th and 6th semester to be spent abroad (internship in a company abroad + academic studies at a partner university)

“Bachelor International“ – Added value

+ More time for individual development
+ International experience
+ Added value to CV
+ Foreign languages
+ Additional – double – degree
Staying in Biberach

**Why Biberach?**

- Biberach is a cozy town in Southwestern Germany – one of the most prospering regions of the country
- Personal contact with professors and staff
- Individual mentoring
- Strong focus on application-oriented learning
- Attractive location in the triangle Stuttgart, Munich, Zurich
- Established network with international partner universities
- The campus is located right in the lively city center
Application

Application procedure

- **Deadline to apply for the:**
  - ... winter semester  
    **July, 15**
  - ... summer semester  
    **January, 15**

- **Online test (for German students)**  
  www.was-studiere-ich.de

- **Further information**
  - www.hochschule-biberach.de/energiewirtschaft
  - www.facebook.com/HBC.energiewirtschaft
Student advisory service

Kismet Cetin, Diplom-Betriebswirtin (FH)
Academic assistant

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