

University of Applied Sciences Bingen

Lists of modules offered in English

Bachelor Modules					
Englisch Module title	German Modul title	Short name	Course administration / Lecturer	Summer / Winter	Listed in degree program
Introduction to Digital Image Processing	Einführung in die Digitale Bildverarbeitung	DIBI	Dr. Görmez	shifting	Bachelor Applied Bioinformatics
Individual Profiling	Individuelle Profilbildung	PROFI	Prof. Dr. rer. nat. Schmidt	shifting	Bachelor Informatics
Fuel Cells	Brennstoffzellen	BRZE	Prof. Dr.-Ing. habil. Michael Mangold	Summer	Bachelor Mechanical Engineering
Master Modules					
Englisch Module title	German Modul title	Short name	Course administration / Lecturer	Summer / Winter	Listed in degree program
Applied comparative genomics	Angewandte vergleichende Genomik	ACOG	Prof. Dr. Asis Hallab	Winter	Master Synthetic Biotechnology

Module overview Master degree program **Environmental Sustainability**

- Academic English
- Air Resources
- CLIM, Climate Change and Environmental Impacts
- Climate Risk Assessment – Online Module
- Emission and Immission Lab – Air & Noise
- Energy Utilisation of Renewable Resources
- Environmental Controlling
- Environmental Impact of Plastics
- Environmental Noise Control
- European Environmental Law and Politics
- Fuel Cells and Hydrogen Economy
- GIS – Online Module
- Green Business
- International Sales, SMA Sales and Marketing Aspects
- International Water and Waste Management
- Conflicts and Synergies in Climate Management and Environmental Protection
- LCA – Case Studies
- LCA – Online Module
- Material Flow Management
- Mediterranean and Marine Ecology
- Mediterranean and Marine Ecology 2
- Professional English
- Renewable Energies
- Renewable Materials, Lecture and Lab
- Restoration Ecology
- Sustainable Agriculture
- Sustainable Business Administration and Simulation

[More Details and documents here.](#)

[Module Handbook](#)

Module overview Master degree program **Informatics / Computer Science**

- Architecture of Information Systems
- Systems Analysis
- Artificial Intelligence
- Higher Mathematics
- Advanced Database Systems
- Scientific Seminar
- Computer Vision
- Planning and Scheduling
- Network Security
- Advanced Data Mining with R
- Simulation
- Autonomous and Mobile Robots
- Natural Language Processing
- E-Learning
- Advanced Software Engineering
- Model based Software Engineering
- Safe and Secure Programming in Rust
- ERP in the cloud
- Innovation and IT
- Business models and IT

[More Details and documents here.](#)

[Module Handbook](#)

English friendly modules

We presorted a list of German taught modules which has at least one of the following characters:

- Mixed language during lecture or the lecturer is open for English speaking hearers
- Course literature is (almost) completely in English
- Subject of instruction has an international syntax such as programme code or Mathematics

Bachelor modules					
Englisch Module title	German Modul title	Short name	Course administration / Lecturer	Summer / Winter	Listed in degree program
Agrarmeteorologie	Agricultural Meteorology	AMET	Prof. Dr. Oleg Panferov	Summer	Bachelor Agriculture
Klimaschutz in der Landwirtschaft	Climate protection in agriculture	ASCH	Prof. Dr. Oleg Panferov	Winter	Bachelor Agriculture
Zellbiologie	Cell Biology	ZEBI	Prof. Dr. Lehmann	Summer	Bachelor Applied Bioinformatics
Rechnersystem-Infrastrukturen	Computer Systems Infrastructures	REIN	Prof. Dr.-Ing. Lang	shifting	Bachelor Applied Bioinformatics
Vertiefung Web-Technologien	Advanced Web Technologies	WETE2	Prof. Dr. rer. nat. Rodrian	Winter	Bachelor Applied Bioinformatics
Gentherapie und Personalisierte Medizin	Gene Therapy and Personalized Medicine	GEME	Prof. Dr. Maik Lehmann	Summer	Bachelor Biotechnology
Current Bioinformatics	Current Bioinformatics	CBIO	Prof. Dr. Asis Hallab	Summer	Bachelor Biotechnology
Komparative Genomik	Comparative Genomics	KOGE	Prof. Dr. Asis Hallab	Winter	Bachelor Biotechnology
Data Mining mit R	Data Mining with R	DATR	Prof. Dr. Asis Hallab	Winter	Bachelor Biotechnology
Systembiologie	Systems Biology	SYBI	Prof. Dr. Asis Hallab	Summer	Bachelor Biotechnology
Pharmakologie und Toxikologie	Pharmacology and Toxicology	PHAR	Prof. Dr. Maik Lehmann	Winter	Bachelor Biotechnology
Scientific Communication and Management	Scientific Communication and Management	SCIM	Dr. Ralf Dahm	Summer	Bachelor Biotechnology
Algorithmische Bioinformatik	Bioinformatics Algorithms	ALBI	Prof. Dr. Asis Hallab	Summer	Bachelor Biotechnology
Web-Technologien	Web Technologies	WETE1	Prof. Dr. Brings	Summer	Bachelor Informatics
Enterprise Programmierung	Enterprise Programming	EPRO	Prof. Dr. rer. nat. Marx	Winter	Bachelor Informatics
Mathematik 3	Mathematics 3	MAT3	Prof. Dr. Schäfer	Winter	Bachelor Informatics

Master modules					
Englisch Module title	German Modul title	Short name	Course administration / Lecturer	Summer / Winter	Listed in degree program
Verkehrssimulation	Traffic Simulation	ANVS	Prof. Dr.-Ing. habil. Michael Mangold	Winter	Master Mechanical Engineering
Angewandtes Maschinelles Lernen	Applied machine learning	APML	Prof. Dr. Florian Heigwer	Winter	Master Synthetic Biotechnology
Wissenschaftliche Daten des Genoms	Genome Data Science	GESC	Prof. Dr. rer. nat. F. Heigwer	Winter	Master Synthetic Biotechnology
CRM und International Sales	CRM und International Sales	CRIS	Prof. Dr. Stefan Gabriel	Summer	Master Industrial Engineering
Agile Methoden	Agile Methods	METH	Prof. Dr. C. Weiß	Winter	Master Industrial Engineering
International Business Administration	International Business Administration	INBU	Prof. Dr. Hartmut Sommer	Winter	Master Industrial Engineering

In almost all degree programs it is possible to write a thesis, study paper or research project in English, after consulting the lecturer.

Please note that the modules offered may change due to timetable changes. Contact the International Office in a timely manner. incoming@th-bingen.de