Admission Criteria for the Master BIPM at BSEL (HWR Berlin)

This is a list with subjects from last year’s application process for your use. It is not a complete list of all possible subjects, but for your orientation only.

Bachelor Degree
- Banking and Finance
- Business Administration
- Business Information Systems
- Civil Engineering => OK, if all 3 areas Bus. Admin., Quant. /DB, and informatics are covered
- Commerce
- Computer Science
- Economics => OK, if all 3 areas Bus. Admin., Quant. /DB, and informatics are covered
- Electronic Engineering => OK, if all 3 areas Bus. Admin., Quant. /DB, and informatics are covered
- Logistics => OK, if all 3 areas Bus. Admin., Quant. /DB, and informatics are covered
- Management Science
- Telecommunications => OK, if all 3 areas Bus. Admin., Quant. /DB, and informatics are covered
- Technology - Instrumentation

Bachelor Degree not possible
- International Relations

Business Administration possible courses
- Accounting
- Basics of Industrial Social Economics and Management
- Business Administration
- Business Communication
- Business Economics
- Cost Management System
- Cross Culture Management
- Decision Theories
- Economy and Management of the Institutions
- Entrepreneurship
- Finance
- Finanz-Engineering
- Financial Management
- Financial Reporting
- Financial Accounting
- Foundations of Business
- General Management
- Human Resources
- Industrial Management
- International Management
- Intro. Management
- Investment and Investment Projects
- Knowledge Management
- Leadership
- Management
- Management Consulting
- Managerial Accounting
- Marketing
- Marketing Communication
- Organization
- Organization Behaviour
- Operations Analysis
- Operational Research
- Operations Management
- Performance Management
- Production Management
- Project Management
- Project Formulation and Assessment
- Principles of Engineering Economics Management Techniques
- Quality Management
- Risk Management
- Strategic Management
- Supply Chain Management
- Technological Entrepreneurship and Business Plan
- Technology Management
- Taxation

Not possible:
- Construction Management
- Economics (Principles of)
- Environmental Studies
- IT Business Management (it's Informatics)
- Microeconomics
- Process Management (it's Informatics)
Quantitative Methods / Databases possible courses

- Algebra
- Applied Mathematics
- Linear Algebra
- Analysis
- Business Statistics
- Calculus
- Control Theory
- Data Analysis
- Database Systems
- Database Interface Programming
- Databases
- Database Management System
- Data Management
- Distributed Databases
- Differential Equations
- Discrete Structure
- Discrete Mathematics
- Econometrics
- Engineering Mathematics
- Finite Math
- Integral Calculus Elements of Probability and Statistics
- Introduction to Databases
- Introduction to Probability
- Math 1
- Math 2
- Mathematical Foundations
- Numerical Analysis
- Numerical Calculations
- Computer Based Numerical Methods
- Numerical Methods and Programming
- Numerical Techniques
- Optimisation Estimation and Numerical Methods
- Probability and Random Variables
- Quantitative Methods
- Quantitative Business Analysis
- Regression analysis
- Statistics
- Stochastic

Not possible:
- Data Engineering (it’s Informatics)
- Data Mining (it’s Informatics)
- Data Structure (it’s Informatics)
- Data Structure and Algorithms (it’s Informatics)
- Data Transmission (it’s Informatics)
- Decision Support Systems (it’s Informatics)
- Demography
- Research Approaches in Business
- Scientific Research Methods
Information Systems / Computer Science possible courses

- Algorithm Design
- Algorithms
- Algorithms and Data Structure
- Analytical Information System
- Artificial Intelligence
- Business Intelligence
- Business Process Management
- Business Process Modelling
- Business Systems
- C / C++ Programming
- Collaborative Systems
- Compiler Design
- Computer Architecture
- Computing Fundamentals
- Computing Networks
- Computational Biology
- Computational Graphics
- Computer Graphics
- Computer Networks
- Computer Organization and Systems
- Computer Science Theory
- Computer Communication
- Advanced Communication LAB
- Data Engineering
- Data Mining
- Data mining & Warehousing
- Data Structure
- Data Structures and Advanced Programming
- Data Structure and Algorithms
- Data Transmission
- Data Warehousing
- Decision Support Systems
- Design and Analysis of Algorithms
- Digital Signal Processing
- Digital Communications
- Digital Principles and Systems Design
- Digital Systems
- Distributed Systems
- E-Commerce
- Enterprise Resource Planning
- Human-Computer Interaction (HCI)
- Information Assurance and Security
- Information Management
- Information Technology
- Internet Programming LAB
- Intro. Computer Science
- Intro. Information Systems
- Introduction to SAP-ERP
- IT Business Management
- IT Security
- Java Programming
- Knowledge Based Systems
- Machine Learning
- Management Information Systems
- Mobile Development
- Microcontrollers
- Microcomputer Applications
- Managerial Technology
- Numerical Computing
- Object-oriented Programming
- Object-Oriented Systems Design
- Operation Systems
- Parallel Programming
- Principles of Computer System
- Process Management
- Electronic Processing of Firm Data
- Programming Abstractions
- Programming Languages
- Programming Methodology
- Python Programming
- Simulation
- Software Development
- Software Engineering
- Software Project
- System modeling and simulation
- System Analysis
- System Analysis and Design
- System Building
- System Design
- Telematik
- Theory of Computation
- Unternehmensmodellierung
- UNIX Programming LAB
- Web Development

Not possible:
- Business Communication
- Discrete Structure it's Maths
- Digital Design
- Engineering Graphics