M.Sc. Business Intelligence & Data Science

ISM INTERNATIONAL SCHOOL OF MANAGEMENT

1. Semester

Data Management
· Introduction to Data Science &
  Business Intelligence
· Database Systems &
  Information Integration
· ERP Systems

Computational Engineering
· IT Management
· Software Engineering
· Programming

Quantitative Methods
· Linear Algebra &
  Numerical Mathematics
· Structure-detecting Methods
· Structure-validating Procedures

Leadership Skills
· Corporate Governance &
  Business Ethics
· Negotiation, Communication &
  Executive Presentations
· Cross Cultural Leadership

**Digital Business Structures &
Processes**
· Theory of the Firm
· Digital Process Management
· Digital Value Networks &
  Business Models

2. Semester

Business Analytics
· Optimization Techniques
· Simulation &
  Forecasting Techniques
· Machine Learning &
  Artificial Intellicence Techniques

Business Control
· IT-enabled Information Systems
· Decision Support Systems
· Management Information Systems

Consulting
· Strategy & Market
· Innovation & Design Thinking
· Consulting Instruments

Big Data Project
· Agile Project Management
· Scientific Methods
· Field Project

3. Semester

Auslandssemester

4. Semester

Master-Thesis

» FAST TRACK

Mit der Option Fast Track entfällt das Auslandssemester und du verkürzt das Pflichtpraktikum. Dadurch kannst du dein Studium in drei Semestern und mit 90 ECTS-Punkten absolvieren. Ein internationaler Doppelabschluss ist beim Fast Track nicht möglich. Bei Fragen hilft dir deine Studienberatung.