M.Sc. Business Intelligence & Data Science



1st Semester 2nd Semester **3rd Semester** 4th Semester **Business Analytics** Study abroad Master's thesis **Data Management** Introduction to Data Science & Optimization Techniques **Business Intelligence** Simulation & Database Systems & Forecasting Techniques Information Integration Machine Learning & ERP Systems Artificial Intellicence Techniques **Business Control Computational Engineering** IT Management IT-enabled Information Systems Software Engineering Decision Support Systems Programming Management Information Systems **Ouantitative Methods** Consulting Linear Algebra & Strategy & Market Numerical Mathematics Innovation & Design Thinking Structure-detecting Methods Consulting Instruments

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

Big Data Project

- Agile Project Management
- Scientific Methods
- Field Project



By opting for the Fast Track, you skip the semester abroad and reduce the duration of your internship. This enables you to complete your master's degree in three semesters with 90 ECTS. However, the Fast Track option does not offer the opportunity for an international double degree. For further details, please reach out to your study advisor.