

## 1st Semester

## 2nd Semester

## 3rd Semester

## 4th Semester

### Co-requisites

- up to 6 ECTS

Part or all of the complementary program may be required upon admission

Business Analytics

### Core Courses - 63 ECTS

Algorithmics and Data Management

Data Quality and Data Collection Strategies

Forecasting with Applications in Business

Applied Programming with R and Python

Machine Learning

Analytics Consulting

Advanced Data-Driven Decision Making

Data-Driven Impact Evaluation

Prescriptive Analytics

Privacy and Data Protection in the Digital Economy

Technologies and Architectures for Data

2 courses of the 1st semester may be followed during the 3rd semester - if the completion of a complementary program is necessary

### Business Concentration

Internship - 30 ECTS

Elective Courses - 12 ECTS

Choice from a list of courses

### Research Concentration

Elective Courses - 27 ECTS

Choice from a list of courses

Strategic Human Resource Management; Linear Models for Dependent Data; The Statistical Analysis of Time Series; ...

### Master Thesis / Internship Report

Internship Report - 15 ECTS

Master's Thesis - 30 ECTS