

## 1st Semester

## 2nd Semester

## 3rd Semester

## 4th Semester

### Co-requisites

- up to 12 ECTS

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

Business Analytics

Statistical Modelling

### Core Courses - 69 ECTS

Algorithmics and Data Management

Applied Programming with R

Creating Value Through Data Mining

Data-Driven Impact Evaluation

Data Quality and Data Collection Strategies

Advanced Data-Driven Decision Making

Analytics Consulting

Applied Programming with Python

Forecasting with Applications in Business

Machine Learning

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 - 21 ECTS

Choice from a list of courses

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

### Master / Internship Report

Internship Report - 9 ECTS

Master's Thesis - 30 ECTS