

## 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 - 63 ECTS

Algorithmics and Data Management

Creating Value Through Data Mining

Data-Driven Impact Evaluation

Data Quality and Data Collection Strategies

Advanced Data-Driven Decision Making

Analytics Consulting

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

### Option with Business Concentration

Internship - 30 ECTS

**Elective Courses - 12 ECTS**

Choice from a list of courses

### Option with Research Concentration

**Elective Courses - 27 ECTS**

Choice from a list of courses

Branding ; Strategic Human Resource Management ; Mixed Linear Models; Statistical Analysis of Time Series ; Introduction to Biostatistics ; ...

### Master's Thesis

**Option with Business Concentration - 15 ECTS**

**Option with Research Concentration - 30 ECTS**