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, Data Protection and Cyber-
security Law

Technologies and Architectures
for Data

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

Business Concentration – 57 ECTS

Core Courses - 45 ECTS
Internship and Internship Report

Elective Courses - 12 ECTS
Choice from a list of courses

Applied Bayesian Statistics; Change Management; Data Science;
Mobile systems and services; ...

Research Concentration – 57 ECTS

Master Thesis – 30 ECTS

Elective Courses – 27 ECTS
Choice from a list of courses

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