

## Semester 1

### Refresh your knowledge

#### DDS Essentials (Compulsory, 10 CP)

- ✓ Statistics and Mathematics
- ✓ Algorithms and Data Structures

#### Data Analytics (Compulsory, 10 CP)

- ✓ Machine Learning
- ✓ Predictive Modeling

#### Decision Science (Compulsory, 10 CP)

- ✓ Optimization Models
- ✓ Design and Analysis of Algorithms

## Semester 2

### Sharpen your profile

#### Decision Science (Compulsory, 5 CP)

- ✓ Heuristic Optimization

#### Analytics Project (Compulsory, 10 CP)

- ✓ Analytics Project

#### Management Electives (2 out of 4, 10 CP)

- ✓ Management and Technology Perspectives
- ✓ Strategic Negotiations
- ✓ Start-up and Growth Management
- ✓ Service and Technology Marketing

#### Data Analytics & Technology Electives (1 out of 3, 5 CP)

- ✓ Advanced Machine Learning
- ✓ Principles of Data Mining
- ✓ Intelligent Monitoring of Engineering Systems

## Semester 3

### Apply your skills

#### Application Areas (Compulsory, 15 CP)

- ✓ Digital Operations and Supply Chain Management
- ✓ Optimization of Logistics Systems
- ✓ Economic Modeling of Energy and Climate Systems

Internship (15 CP)

## Semester 4

### Final Dissertation

Master Thesis 30 CP

