

Study Plan

Master's Program "Data Science"

■: Modules conducted by the University of Münster.

■: Modules conducted by the University of Twente.

*: The timeframes in this overview are not fixed and are given for orientation purposes only. For information on specific dates, please visit our website.

** : The written exams always take place on the first day of the courses of the following module. A separate stay in Münster or Enschede is not required.

Introduction Course (optional)

Type	Block Course (4 days) in Münster
Timeframe*	November, 1st Year
Examination	-
ECTS	-

Module 1 Introduction to Data Science and Programming Systems

Type	Block Course (7 days) in Münster
Timeframe*	November/December, 1st Year
Examination	Written Exam** (90 minutes), Case Study
ECTS	10

Module 2 Data Management

Type	Block Course (5 days) in Münster
Timeframe*	January/February, 2nd Year
Examination	Written Exam** (90 minutes), Case Study
ECTS	7

Module 3 Data Analytics

Type	Block Course (5 days) in Münster
Timeframe*	March/April, 2nd Year
Examination	Written Exam** (90 minutes), Case Study
ECTS	7

Module 7 Social Media & Communications

Type	Block Course (5 days) in Münster
Timeframe*	October/November, 2nd Year
Examination	Written Exam** (90 minutes), Case Study
ECTS	7

Module 8 Application Areas

Type	Block Course (5 days) in Münster
Timeframe*	January/February, 3rd Year
Examination	Case Study
ECTS	7

Semester 1 (Winter)

Semester 2 (Summer)

Module 4 IT-Management, IT-Security, Ethics, Legal Aspects

Type	Block Course (5 days) in Enschede
Timeframe*	May/June, 2nd Year
Examination	Group Presentation, Assignment (5000 Words)
ECTS	7

Module 5 Self-Management & Leadership

Type	Block Course (5 days) in Enschede
Timeframe*	August/September, 2nd Year
Examination	Project Report (2 weeks), Group Presentation, Essay (5000 Words)
ECTS	7

Semester 3 (Winter)

Module 6 Practical Phase & Project Work

Type	Project Work, Presentation (1 day)
Timeframe*	Three weeks practical phase, six weeks to complete the project work, Presentation in January/February, 3rd Year
Examination	Presentation (15 minutes), Written elaboration (3000 words)
ECTS	8

Completion of the Projekt Work (Module 6) and at least 5 Modules

Module 9 Master Thesis

Type	Master Thesis
Timeframe*	-
Examination	Master Thesis (50 Pages)
ECTS	30

Semester 4 (Summer)

Completion of all Modules including the Master Thesis

Master of Science of the University of Münster