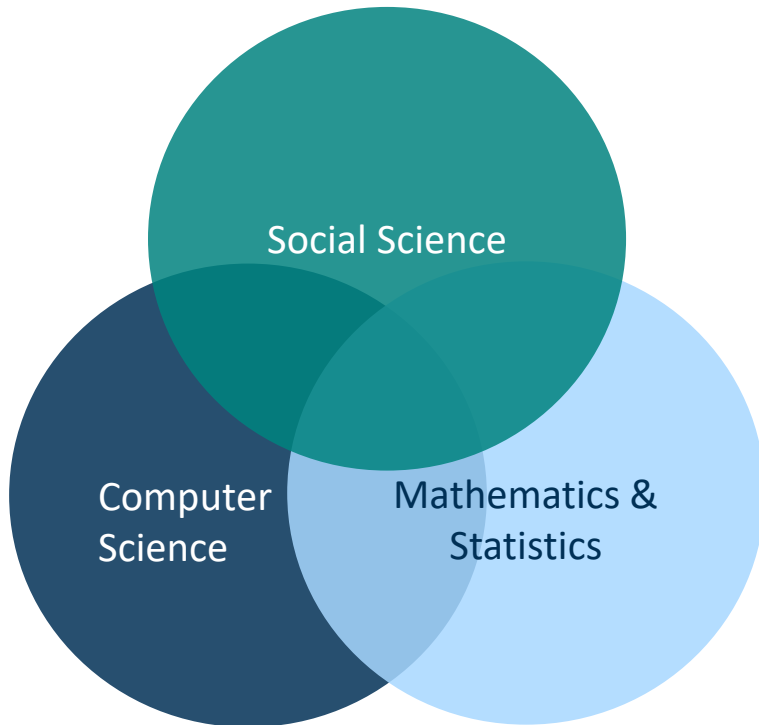


Introductory Session Mannheim Master in Data Science

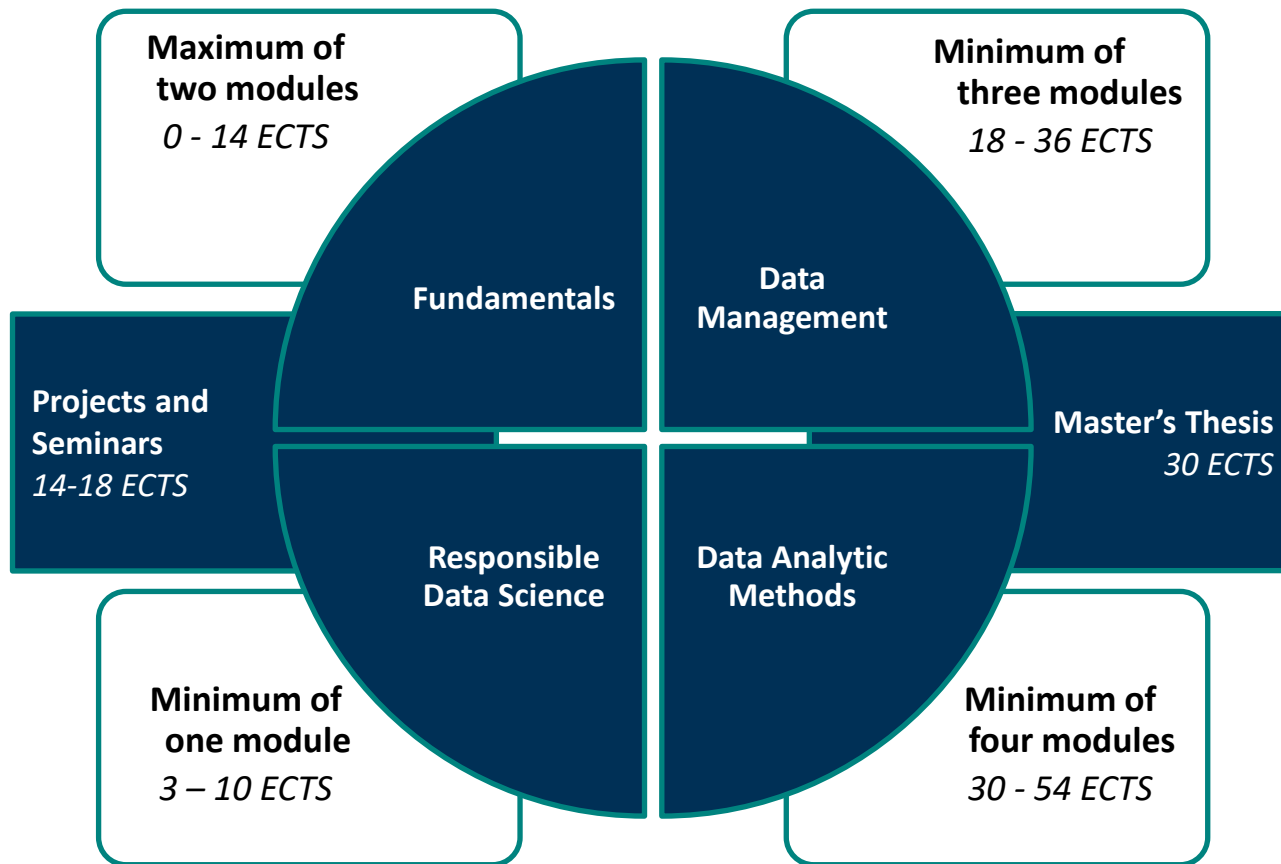


Master in Data Science



- Interdisciplinary
 - Computer Science
 - Mathematics & Statistics
 - Social Science
- Applied
 - Hands-on experience
 - Close cooperation with industry partners

Structure of the M.Sc. Program



Structure of the M.Sc. Program

Fundamentals

(0 – 14 ECTS)

CS 450
Programming
Course
6 ECTS

CS 460
Database
Technology
6 ECTS

CS 470
Python for Data
Scientists
6 ECTS

Empirische
Methoden der
Politikwissenschaft
6 ECTS

Multivariate
Analyses
6 ECTS

Tutorial
Multivariate
Analyses
2 ECTS

Structure of the M.Sc. Program

Data Management

(18 – 36 ECTS)



Computer Science (CS)

- Algorithmics
- Database Systems II



Information Extraction (IE)

- Information
Retrieval and Web
Search
- Query Optimization

Structure of the M.Sc. Program

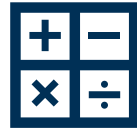
Data Analytic Methods

(30 – 54 ECTS)



M.Sc. Business Informatics

- Data Mining I
- Network Analysis
- Machine Learning



M.Sc. Mathematics in Business and Economics

- Non-linear Optimization
- Computational Finance



M.A. Political Science

- Advanced Quantitative Methods



M.A. Sociology

- Longitudinal Data Analysis
- Research Design
- Cross Sectional Data Analysis

Structure of the M.Sc. Program

Responsible Data Science

(3 – 10 ECTS)

CS 652
Data Security
and Privacy
6 ECTS

Legal and
Ethical Aspects
in Privacy
3 ECTS

CS 718
AI and Data
Science in Fiction
and Society
4 ECTS

Structure of the M.Sc. Program

Projects and Seminars

(14 – 18 ECTS)



**Team Project
or Individual
Project**
*12 ECTS /
8 ECTS*



Seminar
4 ECTS



**Scientific
Research**
2 ECTS

PLEASE NOTE: Each student **MUST** take a **Seminar** and **Scientific Research** as well as either a **Team Project** or an **Individual Project**.

Projects and Seminars - Team Projects

- 12 ECTS, 1 or 2 semesters
- **Presentation: at 12 am on February 14.**
- Registration: portal² “[Team Projects Master Wifo & MMDS](#)”
- Registration will start on February 14.
You can register until February 19.
- Registration is possible **AFTER** the presentation of the new Team Projects!

Structure of the M.Sc. Program

Master's Thesis



- 6 Months
- Every chair has individual requirements that you have to fulfill to be considered
- It is recommended to not write any exams during this period

Study abroad



- All students have the opportunity to study abroad
- for one or two semesters
- without paying tuition fees

What for?



Don't miss the unique opportunity to

- immerse yourself in another culture
- overcome challenges and gain new soft skills
- experience high-class education systems
- brush up your foreign language skills
- form lifelong friendships and international networks
- boost your CV and your career opportunities
- ...

Where to?



- with over **450 partner universities in 60 countries**, you can choose from a variety of universities all around the globe
- 70 of those are faculty-owned partner universities
- even lesser-known regions can become exciting destinations for your exchange!

First steps



- have a look at the different [application deadlines](#), depending on your program of study and your host country
- Attend one of the mandatory [Introductory Study Abroad Sessions](#) right at the beginning of your studies
- look for suitable [partner universities](#) all around the globe

Application Deadlines

Exchange destinations and application deadlines are divided into two regions:

Region	Deadline	Semester
Overseas North & South	15 October 2023	4 (fall 2024)
Europe	31 January 2024	4 (fall 2024)

Table for Master degrees starting in the spring term 2023.

Contact

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Departmental Exchange Coordinator



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School of Business Informatics and Mathematics

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68159 Mannheim

Phone: +49 621 181-2340

Fax: +49 621 181-2423

E-mail: roth@wim.uni-mannheim.de

Consultation hour(s):

by appointment via email

MMDS Mailing List



- You will be added to the MMDS mailing list.
- Please note: All email correspondence from now on will go to your Uni Mannheim E-Mail account!
 - Check your university mail account regularly!
 - Only contact us with your university email address!

Important Websites

- www.wim.uni-mannheim.de
 - Info about study organization (module catalogue, examination regulation, contacts, ...)
- uni-mannheim.de/dws
 - Info about professors from our faculty related to data science
 - Detailed course information (regarding content and organization)
- <https://fim.uni-mannheim.de/>
 - Student association Homepage

Corona-related news

All information and frequently asked questions about studying at the Uni MA during the Corona pandemic can be found here:

<https://www.uni-mannheim.de/en/academics/during-your-studies/coronavirus-information-for-students/>



ANY
QUESTIONS
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