

STUDY IN MANNHEIM!

The city

- A lively city with a rich cultural life
- In the heart of the „German Silicon Valley“, where companies such as SAP, Software AG and IT-Systems have their headquarters
- Affordable living
- Close to Heidelberg, Frankfurt and Karlsruhe
- High speed train connections to Frankfurt airport in less than 45 minutes

The university

- 12,000 students in five schools
- 2,000 international students from 100 countries
- 450 partner universities around the globe
- Many coaching programs, sport offers and language courses

GETTING STARTED

Contact

Web: <http://mmds.wim.uni-mannheim.de/>

University of Mannheim
Student Services
L1, 1
68161 Mannheim
Germany



Application

application@uni-mannheim.de
<http://www.uni-mannheim.de/application>

Information for international students

incomings@uni-mannheim.de
<http://www.uni-mannheim.de/degree-seeking>

We are looking forward to welcoming you in Mannheim!



MANNHEIM MASTER IN DATA SCIENCE

Boost your career in industry and academia!

- Research centric master program
- Unique interdisciplinary study program
- Wide range of courses from computer science, mathematics and social sciences
- Close cooperation with industry partners
- Hands-on experience with practical data science projects



STUDY PROGRAM

The Mannheim Master in Data Science (MMDS) program equips students with the knowledge and skills necessary to gain operational insight from large and complex datasets. The program is interdisciplinary and is run as a collaboration of University of Mannheim’s Data and Web Science Group, Institute of Business Informatics, Department of Sociology, Department of Political Science and Institute of Mathematics.

The MMDS covers the following topics:

- Fundamentals in data collection, statistics, databases and programming
- Data management theory and practice (e.g., advanced database technology, data integration, big large scale data management)
- Data analytics theory and practice (e.g., data mining and machine learning, longitudinal and cross-sectional data analysis, optimization)
- Focus on independent, hands-on research in projects and seminars

Students can choose from a wide range of courses in the following blocks and can set individual specializations within the ECTS ranges given below:

DATA ANALYTICS (30-54 ECTS)	PROJECTS & SEMINARS (12-16 ECTS)	MASTER’S THESIS (30 ECTS)
DATA MANAGEMENT (24-36 ECTS)		
FUNDAMENTALS (0-14 ECTS)		

PREREQUISITES AND ADMISSION



Prerequisites

- Bachelor’s degree, e.g., in computer science, mathematics, statistics, sociology, political science, business administration or a related field
- Minimum of 48 ECTS in computer science, mathematics, statistics, and/or empirical research
- English language skills

Admission

- The MMDS admits 25 students per year

Admission criteria

- Bachelor’s degree grade
- ECTS and grades in data science related courses
- Previous experience in data science (e.g., internships, teaching assistance, publications)
- Experience abroad



BECOME A DATA SCIENTIST!

In the 21st century, data is the most important asset of companies and researchers alike, often being coined “the new oil” (Forbes, 2012). Data scientists collect, organize, analyze, and visualize data. As a data scientist, you will work in academia, the public sector, or in industry wherever large amounts of data are processed, e.g., in marketing, manufacturing, operations research, or logistics. The impact your results will have in all of those areas makes the job of a data scientist “the sexiest job of the 21st century” (Harvard Business Review, 2012).

