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 T-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
- No tuition fees
- Many coaching programs, sports 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 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)

DATA MANAGEMENT
(24-36 ECTS)

PROJECTS & SEMINARS
(12-16 ECTS)

FUNDAMENTALS
(0 – 14 ECTS)

MASTER’S THESIS
(30 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 50 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).