DATA SCIENCE
MASTER OF SCIENCE

INTER-NATIONAL
MASTER PROGRAM
Dealing with a constantly increasing amount, velocity, and variety of data – also collectively referred to as “big data“ – can present difficulties, because due to its size, complexity, and continuous change, this kind of data can no longer be evaluated and analyzed with classical methods of data processing. Thus, companies and institutions are facing new data science challenges in the fields of media, economy, politics and (natural) sciences. In order to meet these requirements, special interdisciplinary skills are essential. The international part-time master program “Data Science” fills this gap and provides in-depth training in the relevant disciplines. It covers content from information systems, computer science, mathematics and statistics, business administration, marketing, and communications.

The Data Science Master addresses management specialists with several years of work experience who want to increase their “data science” skills, e.g., experts in the field of e-business, internet- and social media-, community-managers and analysts. The program is designed for practitioners who are confronted with challenges of managing “Data Analytics and Big Data” and whose previous academic education did cover only sections of the required knowledge.

Degree: Master of Science (M.Sc.) from the University of Münster (Westfälische Wilhelms-Universität Münster)
Renowned lecturers from science and practice impart knowledge and skills in specially designed modules in the following subject areas:

Module 1: Introduction to Data Science and Programming Systems
Module 2: Data Management
Module 3: Data Analytics
Module 4: IT-Management, IT-Security, Ethics, Legal Aspects
Module 5: Self-Management & Leadership
Module 6: Practical Phase & Project Work
Module 7: Social Media & Communications
Module 8: Application Areas
Module 9: Master Thesis

The master's program begins every winter semester. The application deadline ends 6 weeks before the start of the studies. The lectures take place in blocks of 4 to 5 days in Münster or Enschede in intervals of about 8 to 10 weeks.

Further information about the schedule and specific dates can be found on our website at: www.wwu-weiterbildung.de/ds-master
ADMISSION REQUIREMENTS

- A relevant undergraduate or first degree (e.g. Bachelor, Diploma, Master)
- At least one year of professional work experience
- English level B2 pursuant to the Common European Framework of Reference for Languages (CEFR)

TUITION

The tuition for the entire Master's Program is € 16,950.00. The tuition covers participation in the program, exam fees and course material. The program is not subject to German sales tax (Umsatzsteuer) pursuant to paragraph 4 No. 21a (bb) UStG.
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