DATA SCIENCE

Our graduates create added value from data using methods from statistics, computer science, and artificial intelligence.

The interdisciplinary role of data scientists requires a multifaceted degree program. Data scientists develop end-to-end solutions, from data preparation and modeling to integration into a company's IT landscape.

CAREER PROSPECTS

This is an exceptionally sought-after profession, and this degree program meets the needs of the labor market for data professionals. The opportunities for employment lie in all areas of business and administration, and the demand for state-of-the-art analytical skills in an exponentially growing information society forms the basis for the success of data science. These specialists will replace existing job profiles with lower qualifications while at the same time opening up their own fields of employment. Graduates work, for example, as data scientists, analytics consultants, or data engineers—either in-house or for clients.

Language ENGLISH

„Companies and society alike need new, interdisciplinarily trained data professionals.

David Meyer, Program Director

MASTER OF SCIENCE IN ENGINEERING ★ APPLICATION DEADLINE: **MAY 31, 2026** ★ LANGUAGE: **ENGLISH**

ADMISSION PLACES: **38** ★ COST: **€ 363,36 TUITION FEE, € 25,20 ÖH FEE**

FURTHER INFORMATION, CURRENT DATES AND CONTACT DATA: WWW.TECHNIKUM-WIEN.AT/MDS

FACULTY COMPUTER SCIENCE & APPLIED MATHEMATICS

Curriculum

1st SEMESTER	ECTS
Applied Mathematics	5.00
Bridging Module	5.00
Analysis	
Applied Statistics	
Linear Algebra	
Probability	
Business Development & Innovation	5.00
Data Engineering	5.00
Data Science Infrastructure	5.00
Statistical Computing	5.00

2nd SEMESTER	
Elective 1	5.00
Data Warehouse & BI	
Process Analytics	
Smart City	
Elective 2	5.00
Big Data Analytics	
Finance	
Natural Language Processing	
Machine Learning	5.00
Multivariate Statistics	5.00
Scientific Working	5.00
Solution Engineering	5.00

3rd SEMESTER	
Artificial Intelligence	5.00
Data Science Regulations & Ethics	5.00
Data Science Ethics	
Data Science Law	
Elective 3	5.00
Marketing Analytics	
Smart Maintenance & Reliability Analysis	
Trustworthy AI	
Elective 4	5.00
Medical Imaging	
Renewable Energies	
Security & Privacy in AI	
Master Thesis Project	5.00
Solution Deployment & Communications	5.00

4th SEMESTER	
Master Thesis	30.00
Master Thesis Seminar	
Master Thesis	