

**UE | INNOVATION
HUB** experience. innovation.

by the University of Europe for Applied Sciences



Study Data Science, MSc at UE Innovation Hub

a new Berlin-Potsdam campus
for digital pioneers of tomorrow



Your career starts with **Data Science,** **MSc**



Business
Education
Alliance
Member

Why study this programme?

Studying Data Science at the University of Europe for Applied Sciences will provide you with a highly dynamic and interdisciplinary education for a future job that Harvard Business Review calls "The Sexiest Job of the 21st Century". At the UE Innovation Hub you will acquire hands-on knowledge of your discipline through collaboration with industry partners and practical experiences. You will learn a variety of skills and methods that prepares you to work with big data and new technologies. The environment on Campus provides a creative and inspiring atmosphere, you have the chance to interact with experts and students in Software engineering, UX / UI Design, Innovation Design Management, and Digital Media Communication (and many more).

Your career prospects

Business analyst | Product owner | Data scientist | Data analyst | Data engineer | Data architect | Machine learning engineer | Machine learning scientist | Market analyst

Degree:

Master of Science (MSc)

Duration, Credits:

4 Semesters, 120 ECTS

3 Semesters, 90 ECTS

2 Semesters, 60 ECTS

Start of studies:

Winter Semester - September

Summer Semester - March

Teaching language:

English

International offers:

Study abroad

Locations:

Berlin - Potsdam UE Innovation Hub

Admission limitations:

- **100% completed Online application form**
- **High school/Bachelor diploma and transcript**
- **Language qualification, B2 Level**
- **Curriculum Vitae (CV)**
- **Copy of Passport (scanned)**
- **Motivation letter (min. 500 words)**
- **Proof of Academic and / or vocational experience in Computer Science gained (3 years min.)**

Modules

Data Science, MSc

1 st Semester	2 nd Semester	3 rd Semester	4 th Semester
Data Analytics <ul style="list-style-type: none"> • data mining • predictive modelling • advanced statistical methods 	Cloud Computing <ul style="list-style-type: none"> • cloud infrastructure & technologies • Amazon web services, Windows Azure, Google app engine • build applications in the cloud 	Capstone Project individual project / industry-infused project / professional experience / study abroad / research project / group project / student exchange project / certificate etc.	Thesis & Colloquium
Data Engineering <ul style="list-style-type: none"> • design of information systems • data storage solution • effective data transfer solutions 	Machine Learning <ul style="list-style-type: none"> • artificial intelligence concepts • machine learning in business • supervised & unsupervised learning • neural networks 		
Decision Support Systems <ul style="list-style-type: none"> • smart decision making • effect of decision support system on management & leadership • simulation & optimization 	Data Visualization <ul style="list-style-type: none"> • graphical representation and communication of data and analytics • visualization tools • info-graphics 	Advanced Research Methodologies	
Data Science & Business <ul style="list-style-type: none"> • identifying use cases of data science for business and management • impact of analytical products • optimize business outcomes through data 	Marketing Analytics <ul style="list-style-type: none"> • metrics and marketing effectiveness • web analytics/social media analytics • identifying trends and preferences • customer support 	Speculative Futures	
Entrepreneurial Thinking & Digital Models	Comparative Cultural Studies	Business Coaching	
Contemporary Leadership / Culture	Interdisciplinary Elective (pick any module from any other PG program except yours)		

Specialized Modules
Faculty-wide Modules
University-wide Modules
Another UE Faculty's Module

Please Note: Modules for Curriculas with 60, 90, 120 ECTS differ. Please talk to your sales advisor for further details.

Master Preparatory Programme

Master Preparatory Programme: be optimally prepared for your UE Master study programme and add the Master Preparatory Programme to gain further Business skills and improve your english level to meet UE admission requirements. The MPP fee will be rewarded as a credit for your final semester fee of your Master's programme.



Apply now!

Your University - Your Partner!

The University of Europe for Applied Sciences (UE) is a state-approved private university that educates the designers and decision makers of tomorrow in the fields of business, psychology, media and communication, sport and event management and art and design. With campuses in Iserlohn, Berlin and Hamburg, and new Innovation hub in Potsdam, UE offers undergraduate and postgraduate programmes tailored to the requirements of the job market 4.0.

Contact

International Student Admissions Team

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