UE | INNOVATION HUB experience. innovation.

by the University of Europe for Applied Sciences

Contact

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.
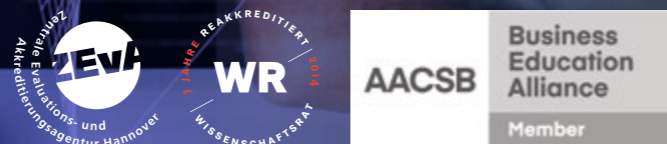
UE | University of Europe for Applied Sciences

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

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:
Proof of Academic and / or vocational experience in Computer Science gained (3 years min.)

Modules
Data Science, MSc

1st Semester	2nd Semester	3rd Semester	4th Semester
Data Analytics • data mining • predictive modelling • advanced statistical methods	**Cloud Computing** • 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 / certifica e etc.	**Thesis & Colloquium**
Data Engineering • design of information systems • data storage solution • effective data transfer solutions	**Machine Learning** • artificial In elligence concepts • machine learning in business • supervised & unsupervised learning • neural networks		
Decision Support Systems • smart decision making • effect of decision support system on management & leadership • simulation & optimization	**Data Visualization** • graphical representation and communication of data and analytics • visualization tools • info-graphics	**Advanced Research Methodologies**	
Data Science & Business • identifying use cases of data science for business and management • impact of analytical products • optimize business outcomes through data	**Marketing Analytics** • metrics and marketing effectiveness • web analytics/social media analytics • identifying trends and preferences • customer support	**Speculative Futures**	
Entrepreneurial Thinking & Digital Models	Comparative Cultural Studies		
Contemporary Leadership / Culture	**Interdisciplinary Elective** (pick any module from any other PG program except yours)	Business Coaching	

■ 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.

What is Data Science,
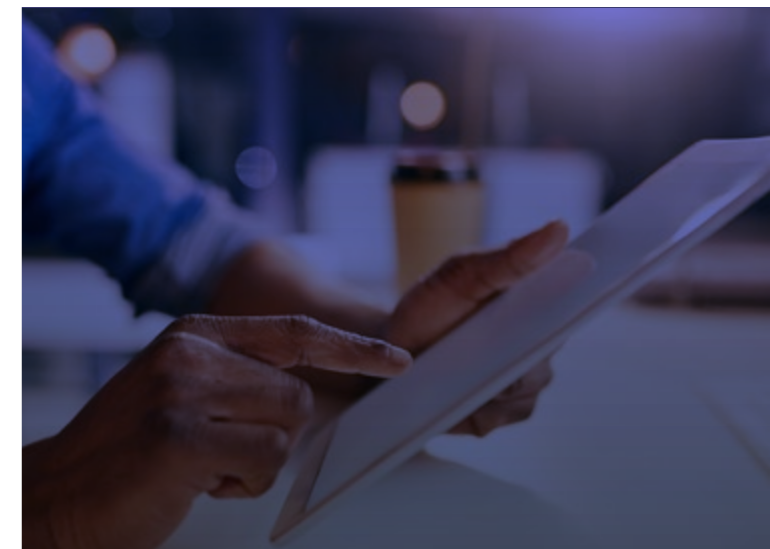and what does a Data Scientist do?

www.innoarchitech.com

In search of Data Science
talent with Dr. Kirk Borne

www.datanami.com

Starting your career in Data Science:
What are your options?

www.dataquest.io

Apply now at www.ue-germany.com/innovation-hub