

Curriculum

Applied Data Science

Master | work-friendly

1 st Semester	ECTS
Information and Probability Theory	5
Statistics	5
Data Source & Data Quality	5
Introduction to Machine Learning	5
Unsupervised Learning	5
Project I: Prerequisites and Project Domains	5

Total	30
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2 nd Semester	ECTS
Data Architecture & Database Technologies I	5
Artificial Neural Networks & Deep Learning I	5
Data Engineering	5
Data Visualization I	5
Supervised Learning	5
Project II: Frameworks and Concept Study	5

Total	30
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3 rd Semester	ECTS
Data Architecture & Database Technologies II	5
Artificial Neural Networks & Deep Learning II	5
Advanced Topics	5
Data Visualization II	5
Academic Skills	5
Project III: Practical Implementation	5

Total	30
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4 th Semester	ECTS
Data Privacy Ethics	5
Master Thesis	20
Master Seminar	2
Master Exam	3

Total	30
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Total Sum	120
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ECTS = European Credit Transfer System