

## Data Management Postgraduate Specialization Program

Semester	Course	Credit	Mandatory	Elective
<b>Fall</b>	Boardroom Global Challenge	2	x	
	Finance Management	2	x	
	Digital Strategy	2	x	
	Digital Transformation	2	x	
	Technology based Entrepreneurship	2		x
	Digital Marketing	2		x
	Foundamentals of Project Management	2		x
	Smart Energy, Big Data and Innovation Strategies	2		x
	Foundations / data management (BA)	2	x	
	Data Engineering 1: different shapes of data	2	x	
	Data Security and GDPR	2	x	
	Data science 1: Business Intelligence and Data Visualization	2	x	
	Data analysis 2: Finding patterns with regressions (BA)	2	x	
	Data Engineering 2: Big data and cloud computing	2	x	
	<b>Winter</b>	Boardroom Global Challenge (cont.)	2	x
Best Practices in IT Service Management		2	x	
Technology Innovation (Cognitive & Smart Systems)		2	x	
Organizational Behavior and HR Management		2		x
Developing Digital Organisations		2		x
Regulating Digital Economy: Democracy, Accountability, Open Society		2		x
Agile Project Management		2		x
Consultative Selling and Negotiations		2		x
Data analysis 3: Prediction and intro to ML (BA)		2	x	
Data science 2: Machine learning concepts		2	x	
Data Management and Analysis with Python		2		x
Data Science 4 Machine learning tools		2		x
Data Science 3 Unstructured text analysis		2	x	
Data Engineering 3 Infrastructure Applications		2		x
<b>Spring</b>		Best Practices in IT Service Management (cont.)	2	x
	e-Leadership	2	x	
	Enterprise Architecture	2		x
	Banking IT and Fintech: Bank to the Future	2		x
	Industry 4.0	2		x
	Ethics of Big Data	2		x
	Security and Data protection	2		x
	<b>Capstone Project</b>	<b>8</b>	x	
	Mastering R skills	2		x
	Mastering Data Science Projects	2		x
	Mastering the Process of Data Science	2		x
	Mastering Product Analytics	2		x
	Mastering Deep learning in R	2		x
	Mastering Data Science team management	2		x