CURRICULUM M.SC. DATA SCIENCE
DISTANCE LEARNING, 60 ECTS

Semester			Module	Course Code	Course	ECTS	Type of Exam
FT	PT I	PT II					
1. Semester	1. Semester	1. Semester	Advanced Statistics	DLMDSAS01	Advanced Statistics	5	Advanced Workbook
			Use Case and Evaluation	DLMDSUCE01	Use Case and Evaluation	5	Oral Assignment
			Seminar: Current Topics in Data Science	DLMDSSCTDS01	Seminar: Current Topics in Data Science	5	Research Essay
	2. Semester	2. Semester	Machine Learning	DLMDSML01	Machine Learning	5	Exam
			Deep Learning	DLMDSDL01	Deep Learning	5	Oral Assignment
			Case Study: Model Engineering	DLMDSME01	Case Study: Model Engineering	5	Case Study
2. Semester		3.	ELECTIVE A **		e.g. Big Data and Software Engineering	10	
		4.	Master Thesis	DLMMTHE01 DLMMTHE02	Master Thesis Thesis Defence	18 2	Master Thesis Presentation: Colloquium
Total 60 ECTS							

Elective A

Big Data and Software Engineering
Smart Manufacturing Methods and Industrial Automation
Applied Autonomous Driving

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You can find more information about your degree program in the module handbook on our website.

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You've already planned out exactly how your course schedule should look? Wonderful! The IU offers you the flexibility to choose any module you like from any semester. You can work on a number of modules at the same time or one by one.

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At the beginning, choose modules that particularly interest you or that you can use directly in your job. This motivates you and gives you success right from the start.

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* Elective: Choose one module

FT: Full-Time, 12 months
PT I: Part-Time I, 18 months
PT II: Part-Time II, 24 months