

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	Workbook
			Use Case and Evaluation	DLMDSUCE01	Use Case and Evaluation	5	Oral Assignment
			Seminar: Current Topics in Data Science	DLMDSCTDS01	Seminar: Current Topics in Data Science	5	Research Essay
	2. Semester	2. Semester	Machine Learning	DLMDSML01	Machine Learning	5	Exam
			Deep Learning	DLMDSL01	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		
		3.	4.	Master Thesis	DLMMTHE01	Master Thesis Thesis Defence	18
	DLMMTHE02				2		
Total			60 ECTS				

Elective A

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



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.



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.



* Elective: Choose one module

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