

## 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	DLMDSSTDS01	Seminar: Current Topics in Data Science	5	Research Essay	
	2. Semester	2. Semester	1. 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	2. Semester	2. Semester	ELECTIVE A **		e.g. Big Data and Software Engineering	10	
				Master Thesis	DLMMTHE01 DLMMTHE02	Master Thesis Thesis Defence	18 2	Master Thesis Presentation:
	Total						60	ECTS

#### Elective A

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



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



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