

**CURRICULUM M.SC. APPLIED DATA SCIENCE**  
**DISTANCE LEARNING, 60 ECTS CREDITS**

Semester			Module	Course Code	Course	ECTS credits	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	DLMDWUCE01	Use Case and Evaluation	5	Oral Assignment
			Machine Learning	DLMDSML01	Machine Learning	5	Exam
	2. Semester	2. Semester	Deep Learning	DLMDSDL01	Deep Learning	5	Oral Assignment
			Case Study: Model Engineering	DLMDSME01	Case Study: Model Engineering	5	Case Study
			Project: Machine Learning Systems Design	DLMDSPMLSD01	Project: Machine Learning Systems Design	5	Portfolio
2. Semester	3. Semester	3. Semester	Applied Research	DLMAF01_E	Applied Research	5	Written Assignment
			Big Data Technologies	DLMDSBDT01	Big Data Technologies	5	Oral Assignment
			Seminar: Current Topics in Data Science	DLMDSSTDS01	Seminar: Current Topics in Data Science	5	Research Essay
	4.	4.	Master Thesis	DLMMTHES01, DLMMTHES02	Master Thesis Colloquium	13,5 1,5	Master Thesis Presentation: Colloquium
Total							
60 ECTS credits							



You've already planned out exactly how your course schedule should look? Wonderful! The IU International University of Applied Sciences offers you the flexibility to choose any available 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.



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



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