

CURRICULUM M.SC. ARTIFICIAL INTELLIGENCE, 120 ECTS, PART-TIME (48 MONTHS)

Semester	Module	Course Code	Course Name	ECTS	
1. Semester 15 ECTS	Artificial Intelligence	DLMAIAI01	Artificial Intelligence	5	E
	Advanced Mathematics	DLMDSAM01	Advanced Mathematics	5	E
	Use Case and Evaluation	DLMDSUCE01	Use Case and Evaluation	5	OA
2. Semester 15 ECTS	Seminar: AI and Society	DLMAISAI01	Seminar: AI and Society	5	WARE
	Advanced Statistics	DLMDSAS01	Advanced Statistics	5	WB
	Project: AI Use Case	DLMAIPAIUC01	Project: AI Use Case	5	P
3. Semester 15 ECTS	Programming with Python	DLMDSWP01	Programming with Python	5	WAWA
	Machine Learning	DLMDSML01	Machine Learning	5	E
	Deep Learning	DLMDSL01	Deep Learning	5	OA
4. Semester 15 ECTS	NLP and Computer Vision	DLMAINLPCV01	NLP and Computer Vision	5	OA
	ELECTIVE MODULE I **		e.g. AI Specialist	10	
5. Semester 10 ECTS	Inference and Causality	DLMAIIAC01	Inference and Causality	5	WAWA
	Reinforcement Learning	DLMAIRIL01	Reinforcement Learning	5	E
6. Semester 15 ECTS	Software Engineering for Data Intensive Sciences	DLMDSSEDIS01	Software Engineering for Data Intensive Sciences	5	OA
	ELECTIVE MODULE II **		e.g. Advanced Robotics 4.0	10	
7. Semester 5 ECTS	Seminar: Actual Topics in AI	DLMAISCTAI01	Seminar: Actual Topics in AI	5	WARE
8. Semester 30 ECTS	Master Thesis	MMTHE01	Master Thesis	27	WAT
		MMTHE02	Colloquium	3	PC
Gesamt 120 ECTS	GOAL: In order to stay on schedule, you should finish modules of about 15 Credit Points per semester!				

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A module with two courses consists of an introduction and a consolidation. In order to successfully complete a module, you must successfully pass both the introduction and the consolidation of the module within the framework of a module examination.

* All the modules that have been unlocked for the Online Exams can be found in CARE.

NOTE:
If the result of the recognition exam is still pending, you should not choose any courses that you have applied for.

E Exam (monthly at study centres or anytime via the online exam*)
OA Oral Assignment
P Portfolio
PC Presentation: Colloquium
WARE Written Assessment: Research Essay
WAT Written Assessment: Thesis
WAW Written Assessment: Written Assignment
WB Workbook

**** Electives - Choose two modules**

Elective Module I:

- UI/UX Expert
- Technical Project Lead
- AI Specialist
- Data Engineer

Elective Module II:

- Management
- Sales, Pricing and Brand Management
- Consumer Behaviour and Research
- Corporate Finance
- Innovate and Change
- Advanced Robotics 4.0
- Applied Autonomous Driving