			5, 120 ECTS			-			
	mester PT I	PT II	Module	Course Code	Course	ECTS	Type of Exam	IU	
	1. Semester	fer	Programming with Python	DLMDSPWP01	Programming with Python	5	Written Assignment	INTERNATION UNIVERSITY APPLIED SCI	
		Semester	Advanced Mathematics	DLMDSAM01	Advanced Mathematics	5	Exam		
		1.5	Machine Learning	DLMDSML01	Machine Learning	5	Exam		
20.4	2. Semester	2. Semester	Advanced Statistics	DLMDSAS01	Advanced Statistics	5	Advanced Workbook	Q	
			Deep Learning	DLMDSDL01	Deep Learning	5	Oral Assignment	You've already planned o how your course scheduk look? Wonderful The UI International Univ Applied Sciences offers yo flexibility to choose any a module you like from any You can work on a numbe at the same time or one b	
			Project: Machine Learning Libraries	DLMMLPMLL01	Project: Machine Learning Libraries	5	Portfolio		
	3. Semester	ter	Advanced Research Methods	DLMARM01	Advanced Research Methods	5	Written Assignment		
		Semester	Big Data Technologies	DLMDSBDT01	Big Data Technologies	5	Oral Assignment		
		e,	Data Modeling and Reporting	DLMBIDMR01	Data Modeling and Reporting	5	Exam		
-		4. Iester	Seminar: Sustainability, Ethics, and Law in Machine Learning	DLMMLSSELML01	Seminar: Sustainability, Ethics, and Law in Machine Learning	5	Research Essay		
	4. Semester	2 Sem	ELECTIVE A*		e.g. Embedded Systems Engineering	5			
		5. mester	ELECTIVE A*		e.g. Proiect: Embedded Systems	5		I	
		Sen	ELECTIVE B*		e.g. Data Engineering	5			
		6. ester	ELECTIVE B*		e.g. Project: Data Engineering	5		* Electives: Choose two mo every elective module can chosen once.	
5	5. Semester	7. Seme:	ELECTIVE C*		e.g.	20			
					Internship: Master AI, Machine Learning and Data Science:	10		FT: Full-Time, 24 month	
:	9	ø	Master Thesis		Master Thesis Thesis Defense	27 3	Master Thesis Presentation: Colloquium	PT I: Part-Time I, 36 months PT I: Part-Time I, 36 month PT II: Part-Time II, 48 months	

	Elective A	Elective B	Elective C
NLP/LLM	NLP and LLM	Voice Assistants	Internship: Master AI, Machine Learning and Data Science
NEP/EEM	Natural Language Processing	Project: Prompt Engineering	or:
Computer Vision	Reinforcement Learning	Mid-Level Vision and Video	Business Communication and Storytelling
computer vision	Image Processing and Low Level Vision	Computer Vision for Autonomous Systems	Design, Lean and Game: Social and creative methods
ML Management	Corporate Governance of IT, Compliance, and Law	Seminar: Legal Framework for IT-Security	Start Up Lab
me management	International IT Law	Cyber Security and Data Protection	
Data Methodologies	Data Query Languages	Extract, Transform and Load Technologies	
Data Methodologies	Business Intelligence I	Project: Extract, Transform and Load Technologies	
Modelling Basics and Trends	Case Study: Model Engineering	DevOps	
modelling basics and menus	Explainable and Interpretable Machine Learning Models	Project: Machine Learning Model Building	
Additional Electives		Artificial Intelligence	
		Project: AI Excellence with Creative Prompting Techniques	

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

*Intersthip:: Decide at the beginning between an intersthip at a company or modules from computory elective C. You complete the intersthip with a practical reflection. If you decide on the modules from computory elective C, all modules from this are must be completed. Mixed forms of intersthip and compulsory elective C are not possible.