Semester			ARNING, 120 ECTS credits			ECTS		▖▋▋▐
	PTI	-	Module	Course Code	Course	credit	Type of Exam	
	1. Semester	ter	Artificial Intelligence	DLMAIAI01	Artificial Intelligence	5	Exam	INTERNATIONAL UNIVERSITY OF APPLIED SCIENCE
		Semester	Advanced Mathematics	DLMDSAM01	Advanced Mathematics	5	Exam	
		1. S	Use Case and Evaluation	DLMDSUCE01	Use Case and Evaluation	5	Oral Assignment	
	2. Semester	Semester	Seminar: Al and Society	DLMAISAIS01	Seminar: Al and Society	5	Research Essay	Ø
			Advanced Statistics	DLMDSAS01	Advanced Statistics	5	Advanced Workbook	You've already planned out exac how your course schedule shoul look? Wonderful! The IU International University o Applied Sciences offers you the flexibility to choose any module like from any semester. You can on a number of modules at the s time or one by one.
		2.5	Project: Al Use Case	DLMAIPAIUC01	Project: Al Use Case	5	Portfolio	
	3. Semester	ter	Programming with Python	DLMDSPWP01	Programming with Python	5	Written Assignment	
		Semester	Machine Learning	DLMDSML01	Machine Learning	5	Exam	
		3.0	Deep Learning	DLMDSDL01	Deep Learning	5	Oral Assignment	
			NLP and Computer Vision	DLMAINLPCV01	NLP and Computer Vision	5	Oral Assignment	
	Semester	4. Seme	Inference and Causality	DLMAIIAC01	Inference and Causality	5	Advanced Workbook	
		ester	Reinforcement Learning	DLMAIRIL01	Reinforcement Learning	5	Written Assignment	Ø
	4. Sen	ster S	Software Engineering for Data Intensive Sciences	DLMDSSEDIS01	Software Engineering for Data Intensive Sciences	5	Oral Assignment	-
-			Seminar: Current Topics in Al	DLMAISCTAI01	Seminar: Current Topics in Al	5	Research Essay	
	5. Semester	6. Seme:	ELECTIVE A*		e.g. Technical Project Lead	10		FT: Full-Time, 24 months
		7.	ELECTIVE B*		e.g. Medical NLP and Medical Robotics	10		PT I: Part-Time I, 36 months PT II: Part-Time II, 48 months
	.9	8.	Master Thesis	MMTHE01 MMTHE02	Master Thesis Colloquium	27	Master Thesis Thesis Defense	

Possible Majors Artificial Intelligence in FinTech Artificial Intelligence in Automotive Artificial Intelligence in Supply Chain Management Artificial Intelligence in Healthcare Artificial Intelligence in Marketing and E-Commerce

Elective A

Artificial Intelligence in FinTech**

Artificial Intelligence in Automotive	Applied Autonomous Driving	Functional Security and Computer Vision for Autonomous Systems**
Artificial Intelligence in Supply Chain Management	Artificial Intelligence in Supply Chain Management**	AI and its Application in Demand Forecast and Procurement**
Artificial Intelligence in Healthcare	AI in Healthcare and Medical Imaging**	Medical NLP and Medical Robotics**
Artificial Intelligence in Marketing and E- Commerce	Al in E-Commerce, Marketing and Demand Forecast**	Al for Analytics, Personalization and Recommender $Systems^{\star\star}$
Artificial Intelligence in Production	Industrial AI**	Industrial Automation and Computer Vision for Autonomous Systems
Artificial Intelligence and NLP	Natural Language Processing and Voice Assistants**	NLP and Innovative Technologies in Education**
Artificial Intelligence and Computer Vision	Foundational Computer Vision**	Cognitive Computer Vision**

Elective B

Robo Advisory and AI in FinTech**

All available Electives Elective A Elective B UI/UX Expert Management Technical Project Lead Sales, Pricing and Brand Management AI Specialist Consumer Behaviour and Research Data Engineer Corporate Finance Artificial Intelligence in FinTech** Innovate and Change Applied Autonomous Driving** Advanced Robotics 4.0 Artificial Intelligence in Supply Chain Management** Robo Advisory and Al in FinTech** AI in Healthcare and Medical Imaging** Functional Security and Computer Vision for Autonomous Systems** Al in E-Commerce, Marketing and Demand Forecast** Al and its Application in Demand Forecast and Procurement** Industrial AI** Medical NLP and Medical Robotics** Natural Language Processing and Voice Assistants** AI for Analytics, Personalization and Recommender Systems**

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* Electives: Choose two modules, every elective module can only be chosen once.

**This new module is expected to be selectable as of 01.08.2023 You can choose your combination of Elective A and Elective B freely or you can follow one of our majors, e.g. Artificial Intelligence in FinTech by choosing Artificial Intelligence in FinTech in Elective A and Robo Advisory and AI in FinTech in Elective B.

**By choosing those electives you can not qualify for the dual degree with LSBU

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