

CURRICULUM M.SC. APPLIED ARTIFICIAL INTELLIGENCE

DISTANCE LEARNING, 60 ECTS credits

Semester			Module	Course Code	Course	ECTS credits	Type of Exam
VZ	TZ I	TZ II					
1. Semester	1. Semester	1. Semester	Machine Learning	DLMDSML01	Machine Learning	5	Exam
			Deep Learning	DLMDSDL01	Deep Learning	5	Oral Assignment
			Reinforcement Learning	DLMAIRL01	Reinforcement Learning	5	Written Assignment
	2. Semester	2. Semester	2. Semester	Inference and Causality	DLMIIAC01	Inference and Causality	5
ELECTIVE A*					e.g. Industrial AI	10	
3. Semester		3. Semester	ELECTIVE B**		e.g. Industrial Automation and Computer Vision for Autonomous Systems	10	
			Seminar: Current Topics in AI	DLMAISCTAI01	Seminar: Current Topics in AI	5	Research Essay
4. Semester	4. Semester	4. Semester	Master Thesis	DLMMTHES01 DLMMTHES02	Master Thesis Colloquium	15	Thesis Thesis Defense
			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 module you like from any semester. You can work on a number of modules at the same time or one by one.



* Elective: Choose one module
** Elective: Choose one module with different content than the module above
FT: Full-Time, 18 months
PT I: Part-Time I, 24 months
PT II: Part-Time II, 36 months



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

Tracks	
Track AI in Automotive	
Elective A*	Elective B**
Applied Autonomous Driving	Functional Security and Computer Vision for Autonomous Systems
Track AI and Computer Vision	
Elective A*	Elective B**
Foundational Computer Vision	Cognitive Computer Vision
Track AI in FinTech	
Elective A*	Elective B**
Artificial Intelligence in FinTech	Robo Advisory and AI in FinTech
Track AI in Healthcare	
Elective A*	Elective B**
AI in Healthcare and Medical Imaging	Medical NLP and Medical Robotics
Track AI and NLP	
Elective A*	Elective B**
Natural Language Processing and Voice Assistants	NLP and Innovative Technologies in Education
Track AI in Production	
Elective A*	Elective B**
Industrial AI	Industrial Automation and Computer Vision for Autonomous Systems
Track AI for Supply Chain Management	
Elective A*	Elective B**
Artificial Intelligence in Supply Chain Management	AI and its Application in Demand Forecast and Procurement
Track AI in Marketing and E-Commerce	
Elective A*	Elective B**
AI in E-Commerce, Marketing and Demand Forecast	AI for Analytics, Personalization and Recommender Systems

Elective A*	Elective B**
Applied Autonomous Driving	Functional Security and Computer Vision for Autonomous Systems
Foundational Computer Vision	Cognitive Computer Vision
Artificial Intelligence in FinTech	Robo Advisory and AI in FinTech
AI in Healthcare and Medical Imaging	Medical NLP and Medical Robotics
Natural Language Processing and Voice Assistants	NLP and Innovative Technologies in Education
Industrial AI	Industrial Automation and Computer Vision for Autonomous Systems
Artificial Intelligence in Supply Chain Management	AI and its Application in Demand Forecast and Procurement
AI in E-Commerce, Marketing and Demand Forecast	AI for Analytics, Personalization and Recommender Systems
AI in Healthcare and Medical NLP	Computer Vision and NLP
AI in Healthcare and Medical Robotics	Advanced Robotics 4.0
AI in E-Commerce, Marketing and Analytics	Computer Vision Essentials
AI in E-Commerce and Customer-centric Marketing	
Industrial Production Systems	
Computer Vision for Production Systems	
NLP and its Application in Education	
NLP and its Application for Accessibility	