CURRICULUM B.SC. APPLIED ARTIFICIAL INTELLIGENCE

ONLINE STUDIES, FULL-TIME (36 MONTHS)

FT	Seme PT I		Module	Course Code	Course	ECTS credits	Type of Exam
1. Semester	1. Semester	je.	Artificial Intelligence	DLBDSEAIS01	Artificial Intelligence	5	Exam
		1. Semester	Introduction to Academic Work	DLBCSIAW01	Introduction to Academic Work	5	Basic Workbook
			Introduction to Programming with Python	DLBDSIPWP01	Introduction to Programming with Python	5	Exam
		2. Semester	Mathematics: Analysis	DLBDSMFC01	Mathematics: Analysis	5	Exam
			Collaborative Work	DLBCSCW01	Collaborative Work	5	Oral Assignment
			Statistics - Probability and Descriptive Statistics	DLBDSSPDS01	Statistics - Probability and Descriptive Statistics	5	Exam
2. Semester	2. Semester	3. Semester	Object Oriented and Functional Programming with Python	DLBDSOOFPP01	Object Oriented and Functional Programming with Python	5	Portfolio
			Mathematics: Linear Algebra	DLBDSMFLA01	Mathematics: Linear Algebra	5	Exam
			Intercultural and Ethical Decision-Making	DLBCSIDM01	Intercultural and Ethical Decision-Making	5	Case Study
	Semester	4. Semester	Statistics - Inferential Statistics	DLBDSSIS01	Statistics - Inferential Statistics	5	Exam
			Cloud Computing	DLBDSCC01	Cloud Computing	5	Exam
			Cloud Programming	DLBSEPCP01_E	Cloud Programming	5	Portfolio
3. Semester	4. Semester 3. S	5. Semester	Machine Learning - Supervised Learning	DLBDSMLSL01	Machine Learning - Supervised Learning	5	Exam
			Machine Learning - Unsupervised Learning and Feature Engineering	DLBDSMLUSL01	Machine Learning - Unsupervised Learning and Feature Engineering	5	Case Study
			Neural Nets and Deep Learning	DLBDSNNDL01	Neural Nets and Deep Learning	5	Oral Assignment
		6. Semester	Introduction to Computer Vision	DLBAIPCV01	Introduction to Computer Vision	5	Exam
			Project: Computer Vision	DLBAIPCV01	Project: Computer Vision	5	Project Report
			Introduction to Reinforcement Learning	DLBAIIRL01	Introduction to Reinforcement Learning	5	Exam
	5. Semester	7. Semester	Introduction to NLP	DLBAIINLP01	Introduction to NLP	5	Exam
			Project: NLP	DLBAIPNLP01	Project: NLP	5	Project Report
4. Semester			Introduction to Data Protection and IT Security	DLBCSIDPITS01	Introduction to Data Protection and IT Security	5	Exam
		ter	Data Science Software Engineering	DLBDSDSSE01	Data Science Software Engineering	5	Exam
		Semester	Project: From Model to Production	DLBDSMTP01	Project: From Model to Production	5	Oral Project Report
		80.00	Seminar: Ethical Considerations in Data Science	DLBDSSECDS01	Seminar: Ethical Considerations in Data Science	5	Research Essay
5. Semester	6. Semester	10. 9. Semester	User Experience	DLBMIUEX01_E	User Experience	5	Exam
			UX-Project OR Project: Edge AI	DLBMIUEX02_E OR DLBAIPEAI01	UX-Project OR Project: Edge Al	5	Project Report
			Introduction to Robotics	DLBROIR01_E	Introduction to Robotics	5	Written Assignment
	7. Semester		Agile Project Management	DLBCSAPM01	Agile Project Management	5	Project Report
			ELECTIVE A*		e.g. Autonomous Driving	10	
6. Semester	7.5		ELECTIVE B*		e.g. Automation and Robotics	10	
		11	ELECTIVE C*		e.g. Data Engineer	10	
	oó .	12.	Bachelor Thesis		Bachelor Thesis Thesis Defense	9	Bachelor Thesis Presentation: Colloquiu
10	Tot	tal S credits		1	Titlegia Meletiae		i resentation. Colloquit

Elective A:	Elective B:	Elective C:
Autonomous Driving	International Marketing and Branding	Autonomous Driving
Production Engineering, Automation and Robotics	Applied Sales	Production Engineering, Automation and Robotics
Data Engineer	Supply Chain Management	Data Engineer
Digital Signal Processing and Sensor Technology	IT project and architecture management	Digital Signal Processing and Sensor Technology
Database Developer	Psychology of Human Computer Interaction	Database Developer
Business Intelligence		Business Intelligence
Data Analyst		Data Analyst
Augmented, Mixed and Virtual Reality		Augmented, Mixed and Virtual Reality
*		International Marketing and Branding
		Applied Sales
		Supply Chain Management
		IT project and architecture management
		Psychology of Human Computer Interaction
		Foreign Language Italien
		Foreign Language French
		Foreign Language German
		Foreign Language Spanish
		Studium Generale
		Career Development

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INTERNATIONAL UNIVERSITY OF APPLIED SCIENCES

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You've already planned out exactly how your course schedule should look? Wonderful! The IU 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.

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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.

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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.

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

FT: Full-Time, 36 months PT I: Part-Time I, 48 months PT II: Part-Time II, 72 months

You can find more information about your degree program in the module