CURRICULUM B.Sc. APPLIED ARTIFICIAL INTELLIGENCE Campus Studies, 180 ECTS Credits

	Idies, 180 ECTS Credits Model 1: Programme Start October				Model 2: Programme Start April			
Month	Courses				Courses			
Oct								
Nov	Artificial Intelligence	Introduction to Academic Work		Mathematics: Analysis				
Dec	intelligence		UIK	Anatysis				
Jan	Introduction to			Statistics -				
Feb	Programming with	Collaborative Work		Probability and Descriptive				
Mar	Python			Statistics				
Apr	Object Oriented and	Mathematics: Linear Algebra		Statistics -	Artificial	Introduction	to Academic	Mathematics:
May	 Functional Programming with Python 			Inferential Statistics*	Intelligence	We		Analysis
Jun			ree Period					
Jul	Cloud	Machine Learning - Supervised Learning*		Machine Learning - Introduction to		1		Statistics - Probability
Aug	Programming			Unsupervised Learning & Feature Engineering*	Programming with Python	Collaborative Work		and Descriptive Statistics
Sep				Lecture-Free Period				
Oct		Neural Nets and Deep Learning*		Data Science Software Engineering*	Object Oriented	Mathematics: Linear Algebra		Statistics - Inferential Statistics*
Nov	Cloud Computing				and Functional			
Dec					Programming with Python			
Jan								Machine Learning
Feb	Introduction to	Project: Computer Vision		Introduction to Reinforcement	Cloud	Machine Learning - Supervised Learning*		Unsupervised Learning & Feature Engineering*
Mar	Computer Vision		L		Programming			
Apr				A sile Dusis at				Agile Project
May	Introduction to NLF	Projec	ct: NLP	Agile Project Management	Introduction to NLP	P Project: NLP		Management
Jun	Lecture-Free Period							
Jul	Introduction to				Introduction to			
Aug	Data Protection &	User Experience		UX-Project ¹	Data Protection & User Experience		UX-Project ¹	
Sep	Cyber Security			Lecture-E	Cyber Security Free Period			
		Intercultural		Lecture-I				
Oct	Introduction to	and Ethical Elective A Decision- Course a Making			Cloud Computing	Neural Nets and Deep Learning*		Data Science Software
Nov	Robotics				cioud computing			Engineering*
Dec		Makilig						
Jan	Seminar: Ethical Considerations in	Elective B Course c		Elective B Course d	Introduction to Computer Vision Project: From	Project: Computer Vision		Introduction to Reinforcement
Feb	Data Science							Learning*
Mar	Project: From							
Apr	Model to	odel to Course e		Elective C Course f	Model to	Elective C Course e		Elective C Course f
May	Production*			Production*				
Jun				Lecture-F	ree Period			
Jul	Bachelor Thesis				Bachelor Thesis			
Aug								
Sep				Lecture-F	ree Period			
Oct	-					ntercultural and Ethical	Elective A	Elective A
Nov					Robotics	Decision-	Course a	Course b
Dec						Making		
Jan					Seminar: Ethical	Flect	ivo B	Elective B
Feb					Considerations in Data Science	Cou		Course d
Mar					Data Science			

INTERNATIONAL UNIVERSITY OF APPLIED SCIENCES

Here you see the order in which you study your courses in presence depending on your personal study start in October or April. Each semester consists of two blocks. In acch block, you attend classes on campus for usually three courses to deepen the content in direct exchange with your fellow students and lecturers.

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You have lecture-free periods in both June and September, which you can spend reviewing and preparing for exams. Attending the courses on campus is mandatory and will be verified due to Visa regulations (not valid for DACH students).

Each block concludes with a two-week exam preparation phase. You can defer those exams to a later date that you do not want to take during this period. This way, your exam phases are always spread evenly over the year. Exceptions to this are courses that count as admission requirements for other courses.

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Attention: Attendance times may vary slightly depending on public holidays and the federal state holidays the campus is located in.

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If you are studying Model 2, you will have to start your Bachelor Thesis before completing your final courses.

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Note: You can already start with your thesis earlier than the designated block, once you have met the minumum amount of credit points required to enter.

ous Driving a) Self-Driving Vehicles b) Seminar: Current Topics and Trends in Self-Driving Technology Production Engineering, Automation and Robotics a) Production Engineering Industry 4.0 b) Automation and Robotics* Data Engine a) Data Engineering b) Project: Data Engineering Digital Signal Processing and Sensor Technology a) Digital Signal Processing b) Sensor Technology Database Develope a) Database Modeling and Database Systems b) Project: Build a Data Mart in SQL ess Intelligence a) Business Intelligence b) Project: Business Intelligence Data Analyst a) Advanced Data Analysis b) Project: Data Analysis Augmented, Mixed and Virtual Reality a) Augmented, Mixed and Virtual Reality b) Project: X-Reality Internship Elective B~ ational Marketing and Branding c) International Marketing

Elective A

International Marketing and Branding c) International Marketing d) International Brand Management Applied Sales 1 d) Applied Sales 1 d) Applied Sales 1 Supply Chain Management 1 d) Supply Chain Management 1 IT project and architecture management d) IT Project Management d) IT Project Management Psychology of Human Computer Interaction

c) Experience Psychology
 d) Human Computer Interaction

Elective Cous Driving e) Self-Driving Vehicles f) Seminar: Current Topics and Trends in Self-Driving Technology eduction Engineering, Automation and Robatics e) Production Engineering Industry 4.0 f) Automation and Robatics* Data Engin e) Data Engineering f) Project: Data Engineering Digital Signal Processing and Sensor Technology e) Digital Signal Processing f) Sensor Technology Database Developer e) Database Modeling and Database Systems f) Project: Build a Data Mart in SQL s Intelligence e) Business Intelligence f) Project: Business Intelligence Data Analyst e) Advanced Data Analysis f) Project: Data Analysis e) Augmented, Mixed and Virtual Reality e) Augmented, Mixed and Virtual Reality f) Project: X-Reality tional Marketing and Branding e) International Marketing f) International Brand Management AWS Cloud Specialization e) Project: AWS - Cloud Essentials f) Project: AWS - Cloud Advanced Internship

Applied Sales
e) Applied Sales 1
i) Applied Sales 1
Supply Chain Management
e) Supply Chain Management 1
i) Supply Chain Management 1
if project and architecture management
e) IT Project Management
ii) IT Architecture Management
ii) IT Architecture Management
e) Experience Psychology
if Human Computer Interaction
e) Experience Psychology
if Human Computer Interaction
e) Certificate Course Italian
if Foreign Language Italian
Foreign Language French
e) Certificate Course Spanish
e) Certificate Course Spanish
if Foreign Language Spanish
if Foreign Language Spanish
Foreign Language Spanish
if Foreign Language German
if Foreign Language
if Foreign Languag

Career Development e) Personal Career Plan f) Personal Elevator Pitch Studium Generale I and II

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~ Electives: Choose one module with two courses from the Elective A, one module from the Elective B and one module from the Elective C. Every elective module can only be chosen once.

* This course comes with admissions requirements. Please consult the module handbook for more information.

1 Alternatively, you can choose the course "Project: Edge Al".