CURRICULU	M M.Sc. COMPUTER	SCIENCE									
myStudies,	120 ECTS Credits										
	Model	Model 1: Programme Start October					Model 2: Programme Start April				
Month		Cou	rses		Courses						
Oct											
Nov	Advanced Mathematics	Algori	thmics	Cyber Security and Data Protection							
Dec											
Jan	Seminar: Computer Science										
Feb	and Society	Artificial In	ntelligence	Advanced Statistics*							
Mar											
Apr	Data Science	Big Data Te	chnologies	Programming with Python	Data Science	Big Data T	echnologies	Programming with Python			
May											
Jun				Lecture-F	ree Period			[
Jui	Software Engineering: Software Processes	Project: Softwa	are Engineering* Networks and Distributed Systems		Software Engineering: Software Processes	Project: Software Engineering*		Networks and Distributed Systems			
Aug				Locture-E	ree Period			-,			
Sep				Lecture-				[
Nev	Seminar: Current Topics in Cor	mputer Science Project: C		Computer Science Project	Advanced Mathematics	Algorithmics		Cyber Security and Data			
Nov						1	i i i i i i i i i i i i i i i i i i i	Protection			
lan											
Feb	Elective A Course a		Elective A Course b		Seminar: Computer Science	Artificial Intelligence		Advanced Statistics*			
Mar					and Society						
Apr	Elective B Course c		Elective B Course d								
Mav					Seminar: Current Topics in Computer Sc		ce Project: Computer Science Project				
Jun				Lecture-F	ree Period		1				
Jul					Elective A		Elective A				
Aug	Master		Inesis		Course a		Course b				
Sep				Lecture-F	ree Period						
Oct											
Nov					Elective B Course c		Elective B Course d				
Dec											
Jan											
Feb			Master Thesis								
Mar											
Elective A~				Elective B~				\square			
Advanced Cyber Securi	ty and Cryptology			Business Analyst							
b) Cryptology	/*			d) Project: Business Intell	ligence*		~ Electives: Choose one module from the Elective A and one module from the Elective B.				
Blockchain and Quantu	lockchain and Quantum Computing			Data Engineer							
a) Blockchair b) Quantum (1 Computing			 c) Data Engineering d) Project: Data Engineeri 	ing*		note: I nose electronic minimum numb	ctive modules where the ier of participants is not reach			
T Governance and Service Management			Machine Learning and Deep Learning		ig		will only be offer	red online (distance learning).			
a) IT Service I b) IT Governa	a) IT Service Management b) IT Governance and Compliance			 d) Deep Learning* 			electives on can	ures that there are always ipus.			
UI/UX Expert				Technical Project Lead							
a) User Interface and Experience b) Project: Human Computer Interaction* L				d) Project: Technical Project Planning* Use Case Identification and Evaluation for Analytical Applications							
			 c) Use Case and Evaluatio d) Project: Data Science L 	n Jse Case*		Attention: Attendance times may vary slightly depe holidays the campus is located in.					
				Internship							
Course Informatio	n										
Module	-		Course Code		Course			ECTS Credits			
Algorithmics			DLMDSAM01 DLMCSA01		Algorithmics			5			
Cyber Security and Data Protection			DLMCSITSDP01		Cyber Security and Data Protection			5			
Seminar: Computer Science and Society			DLMCSSCSAS01 DLMAIAI01		Seminar: Computer Science and Society Artificial Intelligence			5			
Artificial Intelligence					Benee			5			

INTERNATIONAL UNIVERSITY OF APPLIED SCIENCES

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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 each block, you attend classes on campus for usually three courses to deepen the content in direct exchange with your fellow students and lecturers.

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.

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.

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

ng on public holidays and the federal state

Course Information				
Module	Course Code	Course	ECTS Credits	Type of Exam
Advanced Mathematics	DLMDSAM01	Advanced Mathematics	5	Exam
Algorithmics	DLMCSA01	Algorithmics	5	Exam
Cyber Security and Data Protection	DLMCSITSDP01	Cyber Security and Data Protection	5	Oral Assignment
Seminar: Computer Science and Society	DLMCSSCSAS01	Seminar: Computer Science and Society	5	Written Assessment: Research Essay
Artificial Intelligence	DLMAIAI01	Artificial Intelligence	5	Exam
Advanced Statistics*	DLMDSAS01	Advanced Statistics*	5	Advanced Workbook
Data Science	DLMBDSA01	Data Science	5	Exam
Big Data Technologies	DLMDSBDT01	Big Data Technologies	5	Oral Assignment
Programming with Python	DLMDSPWP01	Programming with Python	5	Written Assessment: Written Assignment
Software Engineering: Software Processes	DLMCSSESP01	Software Engineering: Software Processes	5	Oral Assignment
Project: Software Engineering*	DLMCSPSE01	Project: Software Engineering*	5	Portfolio
Networks and Distributed Systems	DLMCSNDS01	Networks and Distributed Systems	5	Exam
Seminar: Current Topics in Computer Science	DLMCSSCTCS01	Seminar: Current Topics in Computer Science	5	Written Assessment: Research Essay
Project: Computer Science Project	DLMCSPCSP01	Project: Computer Science Project	5	Portfolio
ELECTIVE A~		e.g. Advanced Cyber Security and Cryptology	10	
ELECTIVE B~		e.g. Data Engineer	10	
Master Thesis		Master Thesis	27	Master Thesis
		Thesis Defense	3	Presentation: Colloquium