CURRICULUM M.SC. COMPUTER SCIENCE
DISTANCE LEARNING, 120 ECTS

Semester FT	Semester PT I	Semester PT II	Module	Course Code	Course	ECTS	Type of Exam
1. Semester	1. Semester	1. Semester	Programming with Python	DLMDSPWP01	Programming with Python	5	Written Assignment
			Software Engineering: Software Processes	DLMCSSESP01	Software Engineering: Software Processes	5	Oral Assignment
			Advanced Mathematics	DLMDSAM01	Advanced Mathematics	5	Exam
		2. Semester	Advanced Statistics	DLMDSAS01	Advanced Statistics	5	Advanced Workbook
	2. Semester		Data Science	DLMBDSA01	Data Science	5	Exam
			Project: Software Engineering	DLMCSPSE01	Project: Software Engineering	5	Portfolio
2. Semester		3. Semester	Algorithmics	DLMCSA01	Algorithmics	5	Exam
			Cyber Security and Data Protection	DLMCSITSDP01	Cyber Security and Data Protection	5	Oral Assignment
	3. Semester		Seminar: Computer Science and Society	DLMCSSCSAS01	Seminar: Computer Science and Society	5	Research Essay
		4. Semester	Artificial Intelligence	DLMAIAI01	Artificial Intelligence	5	Exam
			Big Data Technologies	DLMDSBDT01	Big Data Technologies	5	Oral Assignment
3. Semester	4. Semester	5. Semester	Project: Computer Science Project	DLMCSPCSP01	Project: Computer Science Project	5	Portfolio
			Seminar: Current Topics in Computer Science	DLMCSSCTCS01	Seminar: Current Topics in Computer Science	5	Research Essay
		6. Semester	Networks and Distributed Systems	DLMCSNDS01	Networks and Distributed Systems	5	Exam
	5. Semester		ELECTIVE A*		e.g. Advanced Cyber Security and Cryptology	10	
		7. Semester	ELECTIVE B*		e.g. Machine Learning and Deep Learning	10	
4.	6.	8.	Master Thesis	MMTHE01 MMTHE02	Master Thesis Thesis Defense	27 3	Master Thesis Presentation:
Total 120 ECTS							

INTERNATIONAL UNIVERSITY OF APPLIED SCIENCES

Elective A
Advanced Cyber Security and Cryptology
Blockchain and Quantum Computing
IT Governance and Service Management
UI/UX Expert

Elective B
Data Engineer
Business Analyst
Technical Project Lead
Machine Learning and Deep Learning
Use Case Identification and Evaluation for Analytical Applications
Internship

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

FT: Full-Time, 24 months
PT I: Part-Time I, 36 months
PT II: Part-Time II, 48 months