CURRICULUM M.SC. CYBER SECURITY
DISTANCE LEARNING, 120 ECTS credits

Semester FT	Semester PT I	Semester PT II	Module	Course Code	Course	ECTS credits	Type of Exam
1. Semester	1. Semester	1. Semester	Corporate Governance of IT, Compliance, and Law	DLMIGCR01-01_E	Corporate Governance of IT, Compliance, and Law	5	Exam
			Advanced Mathematics	DLMDSAM01	Advanced Mathematics	5	Exam
			Cyber Security and Data Protection	DLMCSITSDP01	Cyber Security and Data Protection	5	Oral Assignment
	2. Semester	2. Semester	Advanced Research Methods	DLMARM01	Advanced Research Methods	5	Written Assignment
			Seminar: Advanced Cyber Security	DLMCSEAITSC01	Seminar: Advanced Cyber Security	5	Research Essay
			Cryptology	DLMCSEAITSC02	Cryptology	5	Oral Assignment
2. Semester	3. Semester	3. Semester	Cyber Risk Assessment and Management	DLMCSECRAM01_E	Cyber Risk Assessment and Management	5	Exam
			IT Systems: Software	DLMIMITSS01_E	IT Systems: Software	5	Exam
			IT Systems: Hardware	DLMIMITSH01_E	IT Systems: Hardware	5	Exam
		4. Semester	Cyber Systems and Network Forensics	DLMCSECSNF01_E	Cyber Systems and Network Forensics	5	Exam
	4. Semester		Secure Networking	DLMCSEESN01_E	Secure Networking	5	Exam
		5. Semester	Theoretical Computer Science for IT Security	DLMCSETCSITS01_E	Theoretical Computer Science for IT Security	5	Exam
3. Semester			Seminar: Standards and Frameworks	DLMIMSSF01_E	Seminar: Standards and Frameworks	5	Research Essay
	5. Semester	6. Semester	Project: Current Challenges of Cyber Security	DLMCSEPCCCS01_E	Project: Current Challenges of Cyber Security	5	Project Report
			ELECTIVE A*		e.g. Blockchain and Quantum Computing	10	
		7.	ELECTIVE B*		e.g. Audit and Security Testing	10	
4.	6.	8.	Master Thesis		Master Thesis / Thesis Defense	27 / 3	Master Thesis / Presentation: Colloquium
Total 120 ECTS credits							

Elective A

Cyber Criminality
Blockchain and Quantum Computing
DevSecOps

Elective B

Organizational Transformation
IT Law for IT Security
Audit- and Security Testing
Business Analyst
Continuous and Lifecycle Security
Data Science and Big Data Technologies
Industrial Automation and Internet of Things
Artificial Intelligence
AI and Mastering AI Prompting

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