

CURRICULUM M.SC. CYBER SECURITY

DISTANCE LEARNING, 60 ECTS

Semester			Module	Course Code	Course	ECTS	Type of Exam
FT	PT I	PT II					
1. Semester	1. Semester	1. Semester	Cyber Security and Data Protection	DLMCSITSDP01	Cyber Security and Data Protection	5	Oral Assignment
			Cyber Risk Assessment and Management	DLMCSECRAM01_E	Cyber Risk Assessment and Management	5	Exam
			Programming with Python	DLMDSPWP01	Programming with Python	5	Written Assignment
	2. Semester	2. Semester	Theoretical Computer Science for IT Security	DLMCSETCSITS01_E	Theoretical Computer Science for IT Security	5	Exam
			Advanced Research Methods	DLMARM01	Advanced Research Methods	5	Exam
			Cyber Systems and Network Forensics	DLMCSECSNF01_E	Cyber Systems and Network Forensics	5	Exam
2. Semester	3. Semester	3. Semester	Seminar: Standards and Frameworks	DLMIMSSF01_E	Seminar: Standards and Frameworks	5	Research Essay
			ELECTIVE*		e.g. Continuous and Lifecycle Security	10	
			Master Thesis		Master Thesis Thesis Defense	14 1	Master Thesis Presentation: Colloquium
Total 60 ECTS							

Electives

IT Service and Architecture Management
 Artificial Intelligence
 DevSecOps
 Blockchain and Quantum Computing
 Continuous and Lifecycle Security
 Audit- and Security Testing
 Advanced Cyber Security and Cryptography



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



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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.



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.



* Elective: Choose one module

FT: Full-Time, 12 months
 PT I: Part-Time I, 18 months
 PT II: Part-Time II, 24 months