CURRICULUM M.Sc. CYBER SECURITY MANAGEMENT

myStudies, 60 ECTS

	Model 1: F	Model 1: Programme Start October			Model 2: Programme Start January			Model 3: Programme Start April			Model 4: Programme Start July		
Month	Courses			Courses			Courses			Courses			
Oct		Corporate											
Nov	Cyber Security and Data Protection	Governance of IT, Compliance, and Law	Theoretical Computer Science for IT Security										
Dec													
Jan	Cyber Risk Assessment and Management	Advanced Research Methods	Seminar: Standards and Frameworks	Cyber Risk Assessment and Management	Advanced Research Methods	Seminar: Standards and Frameworks							
Feb													
Mar													
Apr	Cyber Systems and	Elective A		Cyber Security and Data	Corporate Governance of IT, Compliance, and	Theoretical Computer	Cyber Security and Data	Corporate Governance of IT, Compliance, and	Theoretical Computer				
May	Network Forensics	Course a	Course b	Protection	Law	Science for IT Security	Protection	Law	Science for IT Security				
Jun	Semester Break												
Jul	Master Thesis			Master Thesis			Cyber Risk Assessment		Seminar: Standards and	-		Seminar: Standards and	
Aug							and Management	Methods	Frameworks	and Management	Methods	Frameworks	
Sep	Semester Break												
Oct				Cultina y Curata yana ayand	Elantina A	Flasting A	Code and Code to make a model	Flashing A	Flanting A	Cub an Casanita and Data	Corporate	The continue Community	
Nov				Cyber Systems and Network Forensics	Elective A Course a	Elective A Course b	Cyber Systems and Network Forensics	Elective A Course a	Elective A Course b	Cyber Security and Data Protection	Governance of IT,	Theoretical Computer Science for IT Security	
Dec											Compliance, and Law	,	
Jan													
Feb							Master Thesis			Master Thesis			
Mar													
Apr										Cyber Systems and	Elective A	Elective A	
May										Network Forensics	Course a	Course b	

INTERNATIONAL **UNIVERSITY OF APPLIED SCIENCES**

Here you see the order in which you can study your courses in presence depending on your personal study start in October, January, April or July. IU International University of Applied Sciences offers you the flexibility to switch from campus to online studies or the other way around. You decide which semester you want to spend on campus or online.

The above is only valid for DACH students. For INT Students: attending the courses on Campus in presence is mandatory and will be verified due to VISA regulations.

Elective A*

Continuous and Lifecycle Security IT Service and Architecture Management a) IT Architecture Management a) Cyber Resilience b) IT Service Management b) Seminar: Applying Threat Intelligence Artificial Intelligence Audit- and Security Testing a) Artificial Intelligence a) Attack Models and Auditing b) Seminar: Al and Society b) Seminar: IT Security Tests Advanced Cyber Security and Cryptography

a) Seminar: Advanced Cyber Security

b) Cryptology

Secure Software Development a) Secure Software Development b) Project: Secure Software Implementation

Blockchain and Quantum Computing a) Blockchain b) Quantum Computing

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* Electives: For your M.Sc. Cyber Security Management 60 you can choose one elective module with two courses, amounting to 10 ECTS in total.

Note: Those elective modules where the minimum number of participants is not reached will only be offered online (distance learning). However, IU ensures that there are always electives on campus.

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Each semester consists of two blocks that conclude with a two-week exam preparation phase. You can also 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.

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 semester breaks in June and September.

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



If you are studying Model 2 or 4 you will have to start your Master Thesis before completing your final courses.

Course Information Module

Course Code **ECTS** Course Type of Exam DLMCSITSDP01 Cyber Security and Data Protection Oral Assignment Cyber Security and Data Protection Corporate Governance of IT, Compliance, and Law DLMIGCR01-01_E Corporate Governance of IT, Compliance, and Law Exam Theoretical Computer Science for IT Security DLMCSETCSITS01_E Theoretical Computer Science for IT Security Exam Cyber Risk Assessment and Management DLMCSECRAM01_E Cyber Risk Assessment and Management Exam DLMARM01 Advanced Research Methods Advanced Research Methods Written Assignment Seminar: Standards and Frameworks DLMIMSSF01_E Seminar: Standards and Frameworks Research Essay DLMCSECSNF01_E Cyber Systems and Network Forensics Cyber Systems and Network Forensics Exam e.g. Blockchain and Quantum Computing **ELECTIVE A* Master Thesis** Master Thesis 14 Master Thesis Presentation: Colloquium Thesis Defense