

## CURRICULUM M.SC. CYBER SECURITY, ENGLISCH, 60 ECTS, PART-TIME (18 MONTHS)

Semester	Module	Course Code	Course Name	ECTS	
<b>1. Semester</b> 20 ECTS	Cyber Security and Data Protection	DLMCSITSDP01	Cyber Security and Data Protection	5	OA
	Networks and Distributed Systems	DLMCSNDS01	Networks and Distributed Systems	5	E
	Programming with Python	DLMDSPWP01	Programming with Python	5	E
	Agile Software Development Techniques and Methods	DLMIWNF01_E	Agile Software Development Techniques and Methods	5	WACS
<b>2. Semester</b> 15 ECTS	Advanced Research Methods	DLMARM01	Advanced Research Methods	5	WAWA
	Cyber Systems and Network Forensics	DLMCECSNF01_E	Cyber Systems and Network Forensics	5	E
	Seminar: Standards and Frameworks	DLMIMSSF01_E	Seminar: Standards and Frameworks	5	WARE
<b>3. Semester</b> 25 ECTS	ELECTIVE*		e.g. Blockchain and Quantum Computing	10	
	Master Thesis	DLMMTHE01 DLMMTHE02	Master Thesis Colloquium	13,5 1,5	WAT PC
<b>TOTAL</b> 120 ECTS	<b>GOAL: In order to stay on schedule, you should finish modules of about 20 Credit Points per semester!</b>				



\* All the modules that have been unlocked for the Online Exams can be found in CARE.

**NOTE:**

If the result of the recognition exam is still pending, you should not choose any courses that you have applied for.



**E** Exam (monthly at study centres or anytime via the online exam\*)

**OA** Oral Assignment

**PC** Presentation: Colloquium

**WAC** Written Assessment: Case Study

**WAF** Written Assessment: Research Essay

**WAT** Written Assessment: Thesis

**WAI** Written Assessment: Written Assignment

\*\* Electives  
- Choose two modules

**Elective Module:**

- Systems Management
- Artificial Intelligence
- Data Engineer
- Blockchain and Quantum Computing
- Continuous and Lifecycle Security
- Audit- and Security Testing
- Advanced Cyber Security and Cryptography



You've already planned out exactly how your course schedule should look? Wonderful! The IUBH 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.



As you begin your studies, choose modules that are of particular interest to you or that you can use directly in your job. This motivates you and helps you succeed right from the start.



A module with two courses consists of an introduction and a consolidation. In order to successfully complete a module, you must successfully pass both the introduction and the consolidation of the module within the framework of a module examination.