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Structures, and Programming Languages Apr Theoretical Comp. Sciences & Mathematical Logic Jun DevSecOps and Common Software Weaknesses Sep Oct Artificial Intelligence Analysis Pec Jan Project: Data Analysis Mar Seminar: Current Topics in Computer May Science May Science IT Project II Advanced Data Analysis (or Mar Seminar: Current Topics in Computer Science (or May Science)	Forensics IT Service Management Information	Programming Languages Theoretical Com Sciences &	j _{IT I}		nents Engineering	Mathematic	cs: Analysis Ro	quirements Engineering	Mathematics: A	Analysis Require	ements Engineering	attend classes on campus for usu three courses to deepen the cont direct exchange with your fellow and lecturers. You have semester in June and September. Attendin
Sciences & IT Project May Mathematical Logic Jun Jul DevSecOps and Common Software Weaknesses Sep Oct Artificial Intelligence Analysis Project: Data Analysis Mar Apr Seminar: Current Topics in Computer Science May Science IT Project Intelligence Intelligence	Management Managemen	Sciences &		Law	Host and Software Forensics	Introduction to Academic Work	Programming with	1		Introduction to Programming with Pytho	Statistics - Probability and Descriptive Statistics	courses on campus is mandatory be verified due to Visa regulation valid for DACH students).
DevSecOps and Common Software Weaknesses Sep Oct Iov Artificial Intelligence Analysis Sec Ian Project: Data Analysis Apr Seminar: Current Topics in Computer Science Iou Sommon Software Crypton Computer Science Crypton Computer Computer Computer Science	Information	Mathematical Log	IT Project M	lanagement	IT Service Management Semest	Theoretical Comp Sciences & Mathematical Log er Break	IT Project Manage	ment IT Service Management	Intercultural and Ethical Decision- Making	Mathematics: Linear Algebra	System Pentesting Basics	Each block concludes with a two exam preparation phase. You cathose exams to a later date that not want to take during this peri
Artificial Advanced Data Analysis Pec an Project: Data Analysis Analysis Analysis Apr Seminar: Current Topics in Computer Science Solution Advanced Data Analysis Advanced Data Analysis	Security Standa	Common Softwa	are Crypto	graphy	Information Security Standards	DevSecOps and		Information Security Standards	DevSecOps and Common Software Weaknesses	Cryptography	Information Security Standards	way, your exam phases are alwa evenly over the year. Exceptions are courses that count as admiss requirements for other courses.
Project: Data Electory Analysis (or Apr Seminar: Current Topics in Computer Science (or Science)	Elective Elective (online)	Introduction to Network Forensi	•	oriented ng with Java	Cloud Computing	Introduction to Network Forensic	,	I Cloud Computing	Introduction to Network Forensics	Object-oriented Programming with Java	Cloud Computing	
Apr Seminar: Current Topics in Computer Science (or	ctive Elective	Project: Data Analysis		ctive line)	Elective (online)	Algorithms, Data Structures, and Programming		Host and Software Forensics	Algorithms, Data Structures, and Programming	IT Law	Host and Software Forensics	√
Science	ctive Elective	Seminar: Currer	ter	ctive	Elective	Languages Seminar: Curren Topics in Comput	Elective	Elective	Languages Theoretical Comp. Sciences &	IT Project Management	IT Service	Attention: Attendance times may
, and	lline) (online)	Science	(on	line)	(online)	Science er Break	(online)	(online)	Mathematical Logic		Management	slightly depending on public holi the federal state holidays the car
ul ug	or Thesis		Bachelo	or Thesis			Bachelor Thes	s		Bachelor Thesis		located in.
ep Oct					Semest	er Break						lacksquare
lov Dec		Artificial Intelligence	Advanced Data Analysis	Elective (online)	Elective (online)	Artificial Intelligence		ective Elective nline) (online)	Artificial Ad Intelligence	Ivanced Data Elective Analysis (online		
an Teb Mar						Project: Data Analysis	Elective (online)	Elective (online)	Project: Data Analysis	Elective (online)	Elective (online)	If you are studying Model 2, 3 or have to start your Bachelor The completing your final courses.
lay									Seminar: Current Topics in Computer Science	Elective (online)	Elective (online)	
A* Consulting		Elective B* Business Intelligen	ce .			Elective C* IT Security Consultir	na .		Future Threats		Smart Factory	
cal and Operational IT Security Concepts : Configuration and Application of SIEM Systems	Pperational IT Security Concepts Business Intelligence I			Technical and Operational IT Security Concepts Project: Configuration and Application of SIEM Systems			Threat Modeling Smart Facto Project: Threat Modeling Smart Facto		·			
cial Engineering and Insider Threats oject: Social Engineering orensics atic and Dynamic Malware Analysis Three Cloud Se Secu			Tuture Threats Threat Modeling Project: Threat Modeling			Social Engineering Social Engineering and Insider Threats Project: Social Engineering			Security Controls in the Cloud Production I			gineering, Automation and Robotics In Engineering In and Robotics In Engineering Iftware Engineering I Iftware Engineering II
			Security Controls in the Cloud Project: Security by Design in the Cloud				Static and Dynamic Malware Analysis Seminar: Sandbox Interpretation			Project: Pentesting Mobile Soft		
ques and methods for agile software development : Agile DevSecOps Software Engineering Complex Networks	Project: Pentes	Principles of Ethical Hacking Project: Pentesting			Techniques and methods for agile software development Project: Agile DevSecOps Software Engineering			Industrial Systems Technology Software Engineering Principles Internship Internet of Things Security Cyber Threat Intelligence		ile		

Network Forensics

Business Intelligence

Business Intelligence I

Business Intelligence II

Protocols, Log- and Dataflow-Analysis in Depth

Seminar: Threat Hunting, Analysis and Incident Response

Course Information				
Module	Course Code	Course	ECTS	Type of Exam
Operating Systems, Computer Networks, and Distributed Systems**	DLBIBRVS01_E	Operating Systems, Computer Networks, and Distributed Systems	5	Exam
Mathematics: Analysis	DLBDSMFC01	Mathematics: Analysis	5	Exam
Requirements Engineering	DLBCSRE01	Requirements Engineering	5	Exam
Introduction to Academic Work	DLBCSIAW01	Introduction to Academic Work	5	Basic Workbook
Introduction to Programming with Python	DLBDSIPWP01	Introduction to Programming with Python	5	Exam
Statistics - Probability and Descriptive Statistics	DLBDSSPDS01	Statistics - Probability and Descriptive Statistics	5	Exam
Intercultural and Ethical Decision-Making	DLBCSIDM01	Intercultural and Ethical Decision-Making	5	Case Study
Mathematics: Linear Algebra	DLBDSMFLA01	Mathematics: Linear Algebra	5	Exam
System Pentesting Basics	DLBCSESPB01_E	System Pentesting Basics	5	Exam
ntroduction to Data Protection and Cyber Security	DLBCSIDPITS01	Introduction to Data Protection and Cyber Security	5	Exam
Collaborative Work	DLBCSCW01	Collaborative Work	5	Oral Assignment
Introduction to the Internet of Things	DLBINGEIT01_E	Introduction to the Internet of Things	5	Exam
Introduction to Network Forensics	DLBCSEINF01_E	Introduction to Network Forensics	5	Exam
Object-oriented Programming with Java	DLBCSOOPJ01	Object-oriented Programming with Java	5	Exam
Cloud Computing	DLBDSCC01	Cloud Computing	5	Exam
Algorithms, Data Structures, and Programming Languages	DLBCSL01	Algorithms, Data Structures, and Programming Languages	5	Exam
IT Law	DLBCSIITL01	IT Law	5	Case Study
Host and Software Forensics	DLBCSEHSF01_E	Host and Software Forensics	5	Exam
Theoretical Computer Sciences and Mathematical Logic	DLBCSTCSML01	Theoretical Computer Sciences and Mathematical Logic	5	Exam
IT Project Management	DLBCSEITPAM01	IT Project Management	5	Exam
T Service Management	DLBCSITSM01-01	IT Service Management	5	Exam
DevSecOps and Common Software Weaknesses	DLBCSEDCSW01_E	DevSecOps and Common Software Weaknesses	5	Written Assignment
Cryptography	DLBCSCT01	Cryptography	5	Exam
Information Security Standards	DLBCSEISS01_E	Information Security Standards	5	Case Study
Artificial Intelligence	DLBDSEAIS01	Artificial Intelligence	5	Exam
Advanced Data Analysis	DLBDSEDA01	Advanced Data Analysis	5	Exam
Project: Data Analysis	DLBDSEDA02	Project: Data Analysis	5	Portfolio
Seminar: Current Topics in Computer Science	DLBCSSCTCS01	Seminar: Current Topics in Computer Science	5	Research Essay
ELECTIVE A*		e.g. Security in Complex Networks	10	
ELECTIVE B*		e.g. Cloud Security	10	
ELECTIVE C*		e.g. Smart Factory	10	
Bachelor Thesis		Bachelor Thesis	9	Bachelor Thesis
		Thesis Defense	1	Presentation: Colloquium

Cyber Threat Intelligence

Mobile Threats

Attack Models and Threat Feeds

Project: Defense against APTs

Wireless and Telecom Security

Software Architectures of Mobile Devices

Network Forensics

Protocols, Log- and Dataflow-Analysis in Depth

Seminar: Threat Hunting, Analysis and Incident Response

* Electives: Choose one module with two courses from the Elective A, one module from the Elective B and one module from the Elective C. Every elective module can only be chosen once.

Note: The Electives are only offered in distance learning (online).

Mobile Threats

Wireless and Telecom Security

Supply Chain Management I

Supply Chain Management II

Supply Chain Management

Software Architectures of Mobile Devices