	, 120 ECTS Credits 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			IU		
Oct Nov Dec	Corporate Governance of IT, Compliance, and Law	Adva Mathe		Cyber Security and Data Protection													INTERNATIO UNIVERSITY APPLIED SCI
Jan Feb Mar	Advanced Research Methods	Cyber Risk / and Man		IT Systems: Software	Advanced Research Methods	Cyber Risk / and Man	Assessment agement	IT Systems: Software									
Apr May	– IT Systems: Hardware			Theoretical Computer Science for IT Security	Corporate Governance of IT, Compliance, and Law Advanced Mathematics		Cyber Security and Data Protection	Corporate Governance of IT, Compliance, and Law	, Compliance, and Mathematics Data Protect		Cyber Security and Data Protection					Here you see the order your courses in present	
Jun								Lecture-F	ree Period								your personal study sta January, April or July.
Jul Aug	Seminar: Advanced Cyber Security*	Seminar: S and Fran		Project: Current Challenges of Cyber Security*	Seminar: Advanced Cyber Security*	Seminar: S and Fran		Project: Current Challenges of Cyber Security*	Advanced Research Methods	Cyber Risk As and Manag		IT Systems: Software	Advanced Research Methods	Cyber Risk As and Manag		IT Systems: Software	consists of two blocks. attend classes on camp three courses to deepe
Sep								Lecture-F	ree Period								direct exchange with ye
Oct Nov Dec	Cryptology	Cryptology*		re Networking*	IT Systems: Hardware			Theoretical Computer Science for IT Security	IT Systems: Hardware		Cyber Systems and Network Forensics Science for IT Secu		Corporate Governance of IT, Compliance, and Law	Advanc Mathema		Cyber Security and Data Protection	and lecturers. You have lecture-free p and September, which reviewing and preparin
Jan Feb Mar	Elective A Course a			Elective A Course b	Elective A Course a			Elective A Course b	Seminar: Advanced Cyber Security*	Seminar: Sta and Frame		Project: Current Challenges of Cyber Security*	Seminar: Advanced Cyber Security*	Seminar: Sta and Frame		Project: Current Challenges of Cyber Security*	Attending the courses of mandatory and will be regulations (not valid for
Apr May	Elective B Course c			Elective B Course d	Cryptology		Sec	ure Networking*	Cryptology		Secu	ure Networking*	IT Systems: Hardware	Cyber Syste Network Fo		Theoretical Computer Science for IT Security	Each block concludes w exam preparation phase those exams to a later
lun								Lecture-F	ree Period								not want to take during
Jul	Master Thesis		Master Thesis				Elective A Course a			Elective A Elective A Course b Course a				Elective A Course b	way, your exam phases evenly over the year. Ex are courses that count		
iep								Lecture-F	ree Period								requirements for other
Oct lov Dec	-				Elective B Course c		Elective B Course d	Elective B Course c		Elective B Course d		Cryptology*		Secure Networking*	ure Networking*	ল	
Jan Feb Mar	-									Master Ti	hesis			Master Ti	hesis		Note: You can already s thesis earlier than the c once you have met the
Apr May	-												Elective B Course c			Elective B Course d	of credit points require

Elective A~
Cyber Criminality
a) Attack Scenarios and Incident Response
b) Project: Cyber Forensics*
Blockchain and Quantum Computing
a) Blockchain
b) Quantum Computing
Secure Software Development
a) Secure Software Development
b) Project: Secure Software Implementation*

Internship

d) Management of IT Services and Architecture IT Jarus for 15 Security () International IT Luw () Semiar Legal Framework for IT Security' Audit: and Security Testing () Attack Models and Auditing () Semiar IT Security Test' Business Analyst () Business Intelligence () Anyolect. Business Intelligence () Antickal Intelligence () Antickal Intelligence () Antickal Intelligence () Project. Buscellence and It Creative Prompting Techniques	Organizational Transformation c) Tools in Organizational Analysis
<ul> <li>c) International IT Law</li> <li>d) Seminar: Law Faramesols for IT Security<sup>2</sup> Audit: and Security Testing</li> <li>c) Attack Models and Auditing</li> <li>d) Seminar: IT Security Test<sup>3</sup></li> <li>Business Analysi</li> <li>c) Business Intelligence 1</li> <li>d) Project: Business Intelligence</li> <li>Aund Mastering A Prompting</li> <li>c) Antical Intelligence</li> </ul>	d) Management of IT Services and Architecture
<ul> <li>d) Seminar: Legal Framework for IT Security*</li> <li>Audie: cod: Security Testilie</li> <li>c) Stack Rodels and Auditing</li> <li>d) Seminar: IT Security Tests*</li> <li>Business Andyst</li> <li>c) Business Intelligence I</li> <li>d) Project: Business Intelligence*</li> <li>Andra Matering &amp; Prompting</li> <li>c) Antical Intelligence</li> </ul>	
Audit- and Security Testing () Attack Hodels and Auditing () Semiar: TSecurity Test* Business Analyst () Business Intelligence* d) Project: Business Intelligence* Al and Mastering A Prompting () Attrict Intelligence	c) International IT Law
<ul> <li>Attack Nodels and Auditing</li> <li>Bonian T Security Test*</li> <li>Business Analyst</li> <li>Business Intelligence1</li> <li>Project: Business Intelligence*</li> <li>Anal Matering &amp; Prompting</li> <li>Attach Intelligence</li> </ul>	d) Seminar: Legal Framework for IT Security*
d) Seminar: IT Security Tests" Business Analyst c) Business Intelligence 1 d) Project: Business Intelligence" Al and Mastering AI Prompting c) Artificial Intelligence	Audit- and Security Testing
Business Analyst c) Business Intelligence I d) Project: Business Intelligence* Al and Mastering Al Prompting c) Artificial Intelligence	c) Attack Models and Auditing
c) Business Intelligence I d) Project: Business Intelligence <sup>*</sup> Al and Mastering Al Prompting c) Artificial Intelligence	d) Seminar: IT Security Tests*
d) Project: Business Intelligence* Al and Mastering Al Prompting c) Artificial Intelligence	Business Analyst
Al and Mastering Al Prompting c) Artificial Intelligence	c) Business Intelligence I
c) Artificial Intelligence	d) Project: Business Intelligence*
	Al and Mastering Al Prompting
d) Project: AI Excellence with Creative Prompting Techniques	c) Artificial Intelligence
	d) Project: AI Excellence with Creative Prompting Techniques

Continuous and Lifecycle Security c) Cyber Resilience d) Seminar: Applying Threat Intelligence Data Science and Big Data Technologies c) Data Science
 d) Big Data Technologies Industrial Automation and Internet of Things c) Industrial Automation d) Internet of Things Artificial Intelligence c) Artificial Intelligence d) Seminar: Al and Society Internship

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

 $\sim$  Electives: Choose one module with two courses from the Elective A and one module from the Elective B. Every elective module can only be chosen once.

\* This course comes with admissions requirement. Please consult the module handbook for more information.

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.

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

your Elective B courses.

