			IM B.SC. CLOUD COMPUTING					•
IST/ Sem			EARNING					
T		PT	Module	Course Code	Course	ECTS	Type of Exam	IU
		e.	Introduction to Computer Science	DLBCSICS01	Introduction to Computer Science	5	Exam	INTERNATIONAL UNIVERSITY OF APPLIED SCIENCE
	ter	Semester	Cloud Computing	DLBDSCC01	Cloud Computing	5	Exam	
T. Semester	Semester	1.5	Introduction to Academic Work for IT and Technology	DLBIAWITT01	Introduction to Academic Work for IT and Technology	5	Advanced Workbook	
	Semester 1. S	ter	Techniques and methods for agile software development	IWNF01_E	Techniques and methods for agile software development	5	Exam	Ø
		Semester	Project: Agile Software Engineering	IWNF02_E	Project: Agile Software Engineering	5	Written Assessment: Project Report	You've already planned out exact how your course schedule should look? Wonderfuit The IU international University of Applied Sciences offers you the flexibility to choose any availabl module you like from any semest You can work on a number of mo at the same time or one by one.
		2. S	Internship: Bachelor Cloud Computing <sup>1</sup>	DLBCCOEIBCC01	Internship: Bachelor Cloud Computing <sup>1</sup>	5	Internship Reflection Paper	
٦.		er	Mathematics I	DLBCSM101	Mathematics I	5	Exam	
	2. Ser	Semester	Database Modeling and Database Systems	DLBCSDMDS01	Database Modeling and Database Systems	5	Exam	
		ŝ	Big Data Technologies	DLBDSBDT01	Big Data Technologies	5	Exam	
7. 20110210		er	Introduction to the Internet of Things	DLBINGEIT01_E	Introduction to the Internet of Things	5	Exam	
·	er	Semester	Project: Build a Data Mart in SQL	DLBDSPBDM01	Project: Build a Data Mart in SQL	5	Portfolio	<b>I</b>
	Semester	4. S	Internship: Bachelor Cloud Computing <sup>1</sup>	DLBCCOEIBCC01	Internship: Bachelor Cloud Computing <sup>1</sup>	5	Internship Reflection Paper	At the beginning, choose modules particularly interest you or that yo can use directly in your job. This motivates you and gives you succe right from the start.
	3.5	er	Operating Systems, Computer Networks, and Distributed Systems	DLBIBRVS01_E	Operating Systems, Computer Networks, and Distributed Systems	5	Exam	
	4. Semester	Semester	IT Infrastructure	DLBSEPITI01_E	IT Infrastructure	5	Exam	
		5 S	Introduction to Low-Code Development	DLBDBEILCD01	Introduction to Low-Code Development	5	Written Assessment: Case Study	
		ster	Computer Science and Society	DLBCSCSAS01	Computer Science and Society	5	Written Assessment: Written Assignment	
		Semester	Project: Low-Code Development	DLBDBEPLCD01	Project: Low-Code Development	5	Oral Project Report	
		9	Internship: Bachelor Cloud Computing <sup>1</sup>	DLBCCOEIBCC01	Internship: Bachelor Cloud Computing <sup>1</sup>	5	Internship Reflection Paper	Ø
		ter	Introduction to Data Protection and Cyber Security	DLBCSIDPITS01	Introduction to Data Protection and Cyber Security	5	Exam	A module with two courses consist an introduction and a consolidatio order to successfully complete a module, you must successfully pas both the introduction and the consolidation of the module within the framework of a module esamination.
	ter	Semester	Technical and Operational IT Security Concepts	DLBCSEEISC01_E	Technical and Operational IT Security Concepts	5	Exam	
	Semester	7.5	Security Controls in the Cloud	DLBCSEECSC01_E	Security Controls in the Cloud	5	Exam	
	ŝ	ter	Seminar: Current Topics in Cloud Computing	DLBCCOSCTICC01	Seminar: Current Topics in Cloud Computing	5	Written Assessment: Research Essay	
		Semester	Project: Security by Design in the Cloud	DLBCSEECS02_E	Project: Security by Design in the Cloud	5	Written Assessment: Project Report	
		eò	Internship: Bachelor Cloud Computing <sup>1</sup>	DLBCCOEIBCC01	Internship: Bachelor Cloud Computing <sup>1</sup>	5	Internship Reflection Paper	
	Semester 6. Semester		ELECTIVE A*		e.g. Smart Devices I, Smart Devices II	10		
		6	ELECTIVE B*		e.g. Smart Services I, Smart Services II	10		<b>I</b>
5			Project: Agile DevSecOps Software Engineering	DLBCSEEDSO01_E	Project: Agile DevSecOps Software Engineering	5	Written Assessment: Project Report	
		10.	Internship: Bachelor Cloud Computing <sup>1</sup>	DLBCCOEIBCC01	Internship: Bachelor Cloud Computing <sup>1</sup>	5	Internship Reflection Paper	
1			ELECTIVE C*		e.g. Smart Factory I, Smart Factory II	10		
	7. S	11.	Internship: Bachelor Cloud Computing <sup>1</sup>	DLBCCOEIBCC01	Internship: Bachelor Cloud Computing <sup>1</sup>	5	Internship Reflection Paper	
		- 1	Project: Cloud Programming	DLBSEPCP01_E	Project: Cloud Programming	5	Portfolio	
9.9 8	œ.	12.	Bachelor Thesis		Bachelor Thesis	9	Bachelor Thesis	1

Majors	Elective A:	Elective B:	Elective C:	
Strategy	IT Architecture Management	Managerial Economics	Project: IT Service Management	
Suategy	IT Service Management	Corporate Governance and Strategy	IT Law	
Data	Introduction Programming with Python	Exploratory Data Analysis and Visualization	Data Analytics and Big Data	
Data	Project: Object Oriented and Functional Programming with Python	Data Engineering	Advanced Data Analysis	
Smart	Smart Devices	Smart Services	Smart Factory	
Sinarc	Project: Smart Devices	Project: Smart Services	Project: Smart Factory	
Security	Theoretical Computer Science and Mathematical Logic	Threat Modeling	Cryptography	
	Requirements Engineering	Information Security Standards	Attack Models and Threat Feeds	
Machine Learning	Mathematics: Analysis	Statistics: Probability and Descriptive Statistics	Machine Learning - Supervised Learning	
machine cearning	Mathematics: Linear Algebra	Statistics - Inferential Statistics	Machine Learning - Unsupervised Learning and Feature Engineering	
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Mathematics II

Additional module

$(\mathbf{\hat{I}})$
You can find more information about your degree program in the module handbook on ou website.

<sup>1</sup>Internabia: Decide at the beginning between an internship at a company or modules from compulse elective D. You complete the internship with a practical reflection. If you decide on the modules from compulsory elective D, all modules from this area must be completed. Mixed forms of internship and compulsory elective D are not possible.

ve D

Mathematics II Project: AWS - Cloud Essentials Project: AWS - Cloud Advanced Studium Generale I Studium Generale II

Elective D Internship: Cloud Computing<sup>1</sup> or: Personal Career Plan Intercultural and Ethcal Decision-Making Conflict Management and Mediation Collaborative Work Dec/Ops and Continuous Delivery Project: Digitalization and Automation Hackathon