

CURRICULUM M.SC. DEVOPS AND CLOUD COMPUTING

DISTANCE LEARNING, 120 ECTS

Semester			Module	Course Code	Course	ECTS	Type of Exam
FT	PT I	PT II					
1. Semester	1. Semester	1. Semester	Agile Software Development Techniques and Methods	DLMIWNF01_E	Agile Software Development Techniques and Methods	5	Case Study
			IT Service Management	DLMBITGSM01	IT Service Management	5	Exam
			DevOps	DLMDCCDO01	DevOps	5	Case Study
	2. Semester	2. Semester	Advanced Research Methods	DLMARM01	Advanced Research Methods	5	Written Assignment
			Introduction to Cloud Computing and Serverless Computing	DLMWIWCC01_E	Introduction to Cloud Computing and Serverless Computing	5	Exam
			Project:Cloud Computing	DLMWIWCC02_E	Project:Cloud Computing	5	Project Report
2. Semester	3. Semester	3. Semester	Product Development	DLMBPDDT01	Product Development	5	Exam
			Design Thinking	DLMBPDDT02	Design Thinking	5	Project Report
			Cyber Security and Data Protection	DLMCSITSDP01	Cyber Security and Data Protection	5	Oral Assignment
	4. Semester	4. Semester	Seminar: Applying Threat Intelligence	DLMCSEECLS02_E	Seminar: Applying Threat Intelligence	5	Research Essay
			Container Orchestration	DLMDCCCO01	Container Orchestration	5	Exam or Case Study
			Project: Container Orchestration	DLMDCCPCO01	Project: Container Orchestration	5	Project Report
3. Semester	5. Semester	5. Semester	Cyber Risk Assessment and Management	DLMCSECRAM01_E	Cyber Risk Assessment and Management	5	Exam
			Seminar: Computer Science and Society	DLMCSSCSAS01	Seminar: Computer Science and Society	5	Research Essay
	6. Semester	6. Semester	ELECTIVE A*		e.g. IT Governance, Compliance and Service Management	10	
			ELECTIVE B*		e.g. Aspects of Modern Business Communication	10	
4.	6.	8.	Master Thesis		Master Thesis Colloquium	27 3	Master Thesis Presentation: Colloquium
Total 120 ECTS							



You've already planned out exactly how your course schedule should look? Wonderful! The IU International University of Applied Sciences 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.



* Electives: Choose two modules, every elective module can only be chosen once.

FT: Full-Time, 24 months
PT I: Part-Time I, 36 months
PT II: Part-Time II, 48 months

Elective A	Elective B
IT Governance, Compliance and Service Management Secure Software Entwicklung Audit- and Security Testing Prerequisites for Machine Learning Sustainable Corporate Development	Aspects of Modern Business Communication Machine Learning and Deep Learning Process Management with Scrum Internet of Things and Ethical Reflection in Management IT Services and Architecture Management Project Management within Operations Management Consulting E-Commerce IT Law for IT Security



You can find more information about your degree program in the module handbook on our website.