

Studienplan

Weitere Informationen und den detaillierten Studienplan finden Sie unter:
www.fh-salzburg.ac.at/its-master

Module	Lehrveranstaltung	Semester				
		1	2	3	4	
IT-specific General Competences						
Mathematics and Modelling	· Selected Topics in Mathematics and Modelling · Applied Statistics	3 (2)	3 (2)			
Software Technologies	· Software Notations · Software Engineering	2 (2)	2 (2)			
Knowledge Discovery and Machine Learning	· Data Mining · Pattern Recognition			2,5 (2) 2,5 (2)		
Information Technologies	· Selected Topics: Information Technologies 1 · Selected Topics: Information Technologies 2	3 (3)	3 (3)			
Individual Specializations (eine bzw. zwei aus fünf wählbar)						
Adaptive Software Systems	· Advanced Software Technologies · Software Architectures · Adaptive Software Systems	5 (3)	5 (3)	6 (3)		
Signal Processing & Robotics	· Digital Signal Processing 1 · Digital Signal Processing 2 · Robot Kinematics	5 (3)	5 (3)	6 (3)		
Data Science & Analytics	· Feature Generation · Machine Learning · Deep Learning	5 (3)	5 (3)	6 (3)		
Computer Networks & IT Security	· Internet Infrastructure and Security · Network Reliability and Virtualization · Protocol Design and Validation	5 (3)		6 (3)		
Energy Informatics	· Energy Informatics Fundamentals · Energy Informatics Protocols · Modeling, Simulation and Optimisation	5 (3)	5 (3)	6 (3)		
Elective Courses						
Technology ¹	· Discrete Event Systems · Parallel Computing · Big Data Engineering · Image Processing			3 (2) 3 (2) 3 (2) 3 (2)		
Management ²	· Business Leadership · ERP-Systems			3 (2) 3 (2)		
Marketing / Energy ²	· Sales and Marketing · Smart Grid Businessmodels				3 (2) 3 (2)	
Research & Development Competences						
Research & Development Project	· Research & Development Project	5 (4)	5 (4)			
Master Seminar	· Master Seminar			5 (1)		
Master Thesis	· Master Thesis				22 (2)	
Management & Communication Competences						
Communication Skills	· Advanced Presentation Skills · Discussion and Argumentation Skills · Intercultural Communication Skills	2 (1)	2 (1)	1 (1)		
Innovation Management	· Innovation Management			3 (2)		
IT Management and IT Security	· IT Management · Security Management	3 (3)	3 (3)			
Ethics and Sustainability	· Ethics and Sustainability			1 (1)		
IT-Project- and Qualitymanagement	· IT Project Management · IT Quality Management	2 (2)	2 (2)			
International Economics	· International Economics				2 (1)	
Targeted Communication	· Targeted Communication				3 (2)	
		ECTS (SWS)	30 (23)	30 (23)	30 (18)	30 (7)

¹ Wählen Sie zwei der angeführten Lehrveranstaltungen aus dem Modul

² Wählen Sie eine der angeführten Lehrveranstaltungen aus dem Modul

ECTS:
European Credit Transfer and Accumulation System
SWS:
Semesterwochenstunden

Der abgebildete Studienplan ist eine exemplarische Übersicht.