

Study-Focus A| Study-Focus Name

- A Intelligent Systems
- B IT-Security
- C Information Technology and Systems
- D Business IT-Management

Module abbreviation	module	Winter / Sommer (S=only in summer semester, W=only in Winter semester, SW= in summer and winter semester)	V (lecture)	Ü (exercise)	L (laboratory)	SWS	LP nach ECTS	Study Focus				Remarks	Updated
								A	B	C	D		
Mandatory modules													
PM100	Academic Studies	SW				4	5	x	x	x	x		
PM101	Advanced IT Project Management	s				4	5	x	x	x	x		
PM102	Advanced Software Programming	w				4	5	x	x	x	x		
PM103	Advanced Modelling	s				4	5	x	x	x	x		
modules required for specific study focuses (8 modules of this catalogue need to be passed)								allowed for study focus:					
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MI101	Advanced Application Systems Development	s	2		2	4	5	x	x	x	x		Sep 17

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MI102	Network Systems and Security	s	2		2	4	5		x	x			Sep 17
MI108	Advanced C++	s	3		1	4	5	x	x	x			March 2018
MI109	Pattern Recognition	w	2		2	4	5	x		x		At CAU Kiel	Sep 17
MI110	IT Security	w	2		2	4	5		x				Sep 17
MI111	Automatic Speech Processing	w	2		2	4	5	x		x			Sep 17
MI113	Automatic Image Analysis	s	2		2	4	5	x		x			Sep 17
MI115	Advanced Data Quality Management	s	2		2	4	5	x	x	x	x		March 2018
MI116	Neural Networks	s	2		2	4	5	x	x	x			March 2018
MI117	Machine Learning	s	2		2	4	5	x	x	x		At CAU Kiel	March 2018
MI118	Enterprise Architecture	s	2		2	4	5	x	x	x	x		Sep 17
MI120	Privacy and Data Protection	s	2		2	4	5		x	x			March 2018
MI123	Advanced Java	sw	2		2	4	5	x		x			Sep 17
MI124	Cloud Computing and Security	sw	2		2	4	5		x				Sep 17
MI125	Cognitive Consulting	sw	2		2	4	5	x		x	x		March 2018
MI126	DevOps - Agile in Progress -	sw	3		1	4	5			x	x		March 2018
MI127	Cloud Services	s	2		2	4	5	x		x			Sep 17
MI128	Agile Software Development	w	2		2	4	5	x	x	x	x		Sep 17
MI129	Free Open Source Software Projects	w	2		2	4	5			x	x		Sep 17
MI130	Web Application Security	sw	2		2	4	5		x	x			March 2018
MI133	Modern Web Development	sw	2		2	4	5	x	x	x	x		March 2018
PM105	Cross-Cultural Leadership Human Resource Management	s	4			4	5	x	x	x	x		March 2018
MK105	Advanced Cryptography	s	2		2	4	5	x	x	x			March 2018
MK113	Channel Coding	w	2	1	1	4	5	x					Sep 17
MK114	FPGA Prototyping by VHDL examples	s	2		2	4	5	x	x	x			March 2018

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MK117	Mod. Mob. Commun. Syst.	w	2		2	4	5	x					Sep 17
MK118	Cognitive and Software Def. Radio	w	2	1	1	4	5	x					Sep 17
MK119	Underwater Techniques	s	2	1	1	4	5	x		x		At CAU Kiel	March 2018
ME119	Netzintegration und -automatisierung	s	2		2	4	5	x		x			March 2018
ME121	Complex Automation Systems	s	2		2	4	5			x			March 2018
MM119	Robot Applications	s	3		1	4	5	x		x			March 2018
WI101 / VMIEDX	Business Analytics	s	2		2	4	5			x	x		March 2018
WI105	Entrepreneurship	sw	2		2	4	5	x	x	x	x		Sep 17
4.10	Innovation Mangement	s	4			4	5			x	x		March 2018
M200	Master Research Assistantship	sw				4	5	x	x	x	x	availability upon request, depending on lecturers	
WIP01	Business/Think Tank-Project 01	sw				4	5	x	x	x	x	availability upon request, depending on lecturers	
WIP02	Business/Think Tank-Project 02	sw				8	10	x	x	x	x	availability upon request, depending on lecturers	

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								A	B	C	D		
WIP03	Business/Think Tank-Project 03	sw				12	15	x	x	x	x	availability upon request, depending on lecturers	
MIP01	Research & Development Project 01	sw				4	5	x	x	x	x	availability upon request, depending on lecturers	
MIP02	Research & Development Project 02	sw				8	10	x	x	x	x	availability upon request, depending on lecturers	
MIP03	Research & Development Project 03	sw				12	15	x	x	x	x	availability upon request, depending on lecturers	
Interdisciplinary modules													
	all other Master Modules within the department of Computer science and electrical engineering and within the entire Kiel University of Applied Sciences	sw						x	x	x	x		