

**Anlagen:****Anlage 1: Studienverlaufsplan**

a) mit Pflichtmodulen und Wahlmöglichkeiten, differenziert nach Studienrichtungen

Kürzel	Modul	ECTS	BIS	DIS	ITM	SAR
ABIA	Advanced Business Intelligence and Analytics	6	WF	WF	WF	WF
AML	Advanced Machine Learning	6	WF	WF	WF	WF
ANLP	Advanced Natural Language Processing	3	WF	WF	WF	WF
BPM	Business Process Management	6	WF	WF	WF	WF
CEX	Coding Excellence	6	WF	WF	WF	WF
AMI	Current Approaches to Marketing and Innovation	6	WF	WF	WF	WF
DDM	Data Driven Modelling	6	WF	WF	WF	WF
DSE	Data Science and Ethics	6	WF	WF	WF	WF
DVI	Data Visualization	3	WF	WF	WF	WF
DDD	Domain-Driven Design of Large Software Systems	6	WF	WF	WF	WF
EAM	Enterprise Architecture Management	6	WF	WF	WF	WF
INM	Innovation Management	6	WF	WF	PF	WF
IDE	Interaction Design	6	WF	WF	WF	WF
ITC	IT Consulting	6	WF	WF	PF	WF
ITSTR	IT Strategy	6	WF	WF	PF	WF
LCSS	Large and Cloud-based Software Systems	5	WF	WF	WF	WF
LPSM	Leadership Principles and Strategic Management	6	WF	WF	WF	WF
LOD	Linked-Open Data and Knowledge Graphs	6	WF	WF	WF	WF
MSG	Management Simulation Game	6	WF	WF	WF	WF
MUU	Management und Unternehmenssteuerung	6	WF	-	-	-
MODI	Mobile and Distributed Systems	6	WF	WF	WF	WF
MDS	Modern Database Systems	6	WF	WF	WF	WF
MVS	Multivariate Statistik	6	WF	WF	WF	WF
NLP	Natural Language Processing	3	WF	WF	WF	WF
NADI	Netz-Architekturen, -Design und -Infrastrukturen	6	WF	WF	PF	WF
NGN	Next Generation Networks	5	WF	WF	WF	WF
OSC	Open Science	6	WF	WF	WF	WF
OR	Operations Research	6	WF	WF	WF	WF
PEM	Performance Management	6	WF	WF	WF	WF
PMI	Process Mining	6	WF	WF	WF	WF
PM	Projekt Management	6	WF	WF	WF	WF
PADT	Psychological aspects of digital transformation	6	WF	WF	WF	WF
QS	Qualitätssicherung	6	WF	WF	WF	WF
RSN	Recherche in (sozialen) Netzwerken	3	WF	WF	WF	WF
RE	Requirements Engineering	6	WF	WF	WF	WF
SCC	Scientific Computing	6	WF	WF	WF	WF
SCSR	Seminar Computer Science Research	3	WF	WF	WF	WF
SKD	Seminar Knowledge Discovery	3	WF	WF	WF	WF
SPV	Sicherheit, Privatsphäre und Vertrauen	6	WF	WF	PF	WF
STE	Soziotechnische Entwurfsmuster	6	WF	WF	WF	WF
SGM	Spezielle Gebiete der Mathematik	6	WF	WF	WF	WF
SGMCI	Spezielle Gebiete der Mensch-Computer-Interaktion	6	WF	WF	WF	WF

Kürzel	Modul	ECTS	BIS	DIS	ITM	SAR
UBICOMP	Ubiquitous Computing	6	WF	WF	WF	WF
VDM	Virtualisierung und Dienstarchitekturen (Master)	6	WF	WF	<b>PF</b>	WF
WAM	Web Audience Measurement und Web-Analytics	3	WF	WF	WF	WF
WIR	Web Information Retrieval	6	WF	WF	WF	WF
WEB	Web Technologies	6	WF	WF	WF	WF
WDB	Wettbewerbsstrategien im Digital Business	6	WF	WF	WF	WF
<i>Projekte</i>						
GP-ID	Guided Project (small), focused on Interdisciplinary Topics	6	WF	WF	WF	WF
GP-ACS	Guided Project focused on Architecting and Coding Software	12	WF	WF	WF	WF
GP-DIP	Guided Project focused on Designing Innovation and Products	12	WF	WF	WF	WF
GP-EB	Guided Project focused on Empowering Business	12	WF	WF	WF	WF
GP-GAK	Guided Project focused on Generating and Accessing Knowledge	12	WF	WF	WF	WF
GP-TS-ACS	Guided Project with Team Supervision, focused on Architecting and Coding Software	18	<b>PF</b> (eines davon)	WF	WF	<b>PF</b> (eines davon)
GP-TS-DIP	Guided Project with Team Supervision, focused on Designing Innovation and Products	18		WF	WF	
GP-TS-EB	Guided Project with Team Supervision, focused on Empowering Business	18		WF	WF	
GP-TS-GAK	Guided Project with Team Supervision, focused on Generating and Accessing Knowledge	18		WF	WF	
P-MRI-F	Projekt (fokussiert) im Schwerpunkt "Managing and Running IT", Typ F	6	WF	WF	<b>PF</b> (6 bis 24 ECTS)	WF
P-MRI-X	Projekt (komplex) im Schwerpunkt "Managing and Running IT", Typ X	12	WF	WF		WF
P-MRI-U	Projekt (umfangreich) im Schwerpunkt "Managing and Running IT", Typ U	9	WF	WF		WF
<i>Abschlussarbeit</i>						
MA	Masterarbeit mit Kolloquium / Master Thesis with Colloquium	30	<b>PF</b>	<b>PF</b>	<b>PF</b>	<b>PF</b>

Legende: PF: Pflichtmodul / WF: Wahlmodul / -: in dieser Studienrichtung nicht wählbar

### Studienverlaufsplan

- b) differenziert nach Handlungsfeldern. Die folgende Tabelle spezifiziert die ECTS-Relevanz der Module zu den sechs Handlungsfeldern. Die Semesterzuordnung ist im Rahmen des Sommer-/Wintersemesterangebotes frei wählbar.

Kürzel	Modul	DE	EN	AR	ACS	DIP	EB	GAK	MRI	Ge- sam- ECTS
ABIA	Advanced Business Intelligence and Analytics		x				2	4		6
AML	Advanced Machine Learning		x	1	2			3		6
ANLP	Advanced Natural Language Processing		x		1			2		3
BPM	Business Process Management		x		2		4			6
CEX	Coding Excellence		x		6					6
AMI	Current Approaches to Marketing and Innovation		x			2	4			6
DDM	Data Driven Modelling		x	1	2		1	2		6
DSE	Data Science and Ethics		x	2	1	1		2		6
DVI	Data Visualization		x					3		3
DDD	Domain-Driven Design of Large Software Systems		x		5		1			6
EAM	Enterprise Architecture Management		x				3		3	6
INM	Innovation Management		x	1		4	1			6
IDE	Interaction Design	x		1	1	4				6
ITC	IT Consulting	x				1	4	1		6
ITSTR	IT Strategy	x				2			4	6
LCSS	Large and Cloud-based Software Systems		x		4				1	5
LPSM	Leadership Principles and Strategic Management		x	3			3			6
LOD	Linked-Open Data and Knowledge Graphs		x	1		1		4		6
MSG	Management Simulation Game		x			2	4			6
MUU	Management und Unternehmenssteuerung	x		1			5			6
MODI	Mobile and Distributed Systems		x		4	1			1	6
MDS	Modern Database Systems		x	1	2			3		6
MVS	Multivariate Statistik	x						6		6
NLP	Natural Language Processing		x	1				2		3
NADI	Netz-Architekturen, -Design und -Infrastrukturen	x				1			5	6
NGN	Next Generation Networks		x	1	3				1	5
OSC	Open Science		x					6		6
OR	Operations Research		x			1	1	4		6
PEM	Performance Management	x		1			5			6
PMI	Process Mining		x	1			2	3		6
PM	Projekt Management	x		5	1					6
PADT	Psychological aspects of digital transformation		x	2		1	2		1	6
QS	Qualitätssicherung	x		1	4		1			6
RSN	Recherche in (sozialen) Netzwerken	x						3		3
RE	Requirements Engineering		x		4		2			6
SCC	Scientific Computing		x		3			3		6
SCSR	Seminar Computer Science Research		x		1		1		1	3

Kürzel	Modul	DE	EN	AR	ACS	DIP	EB	GAK	MRI	Gesamt-ECTS	
SKD	Seminar Knowledge Discovery		x					3		3	
SPV	Sicherheit, Privatsphäre und Vertrauen	x		1		1			4	6	
STE	Soziotechnische Entwurfsmuster	x		1	1	4				6	
SGM	Spezielle Gebiete der Mathematik	x						6		6	
SGMCI	Spezielle Gebiete der Mensch-Computer-Interaktion	x		1	1	4				6	
UBICOMP	Ubiquitous Computing		x		1	4			1	6	
VDM	Virtualisierung und Dienstarchitekturen (Master)	x		1	1				4	6	
WAM	Web Audience Measurement und Web-Analytics	x						3		3	
WIR	Web Information Retrieval		x		1			5		6	
WEB	Web Technologies	x		1	5					6	
WDB	Wettbewerbsstrategien im Digital Business		x			3	3			6	
Projekte											
GP-ID	Guided Project (small), focused on Interdisciplinary Topics	x	x	1	1	1	1	1	1	6	
GP-ACS	Guided Project focused on Architecting and Coding Software	x	x		4	2	2	2	2	12	
GP-DIP	Guided Project focused on Designing Innovation and Products	x	x		2	4	2	2	2	12	
GP-EB	Guided Project focused on Empowering Business	x	x		2	2	4	2	2	12	
GP-GAK	Guided Project focused on Generating and Accessing Knowledge	x	x		2	2	2	4	2	12	
GP-TS-ACS	Guided Project with Team Supervision, focused on Architecting and Coding Software	x	x	6	4	2	2	2	2	18	
GP-TS-DIP	Guided Project with Team Supervision, focused on Designing Innovation and Products	x	x	6	2	4	2	2	2	18	
GP-TS-EB	Guided Project with Team Supervision, focused on Empowering Business	x	x	6	2	2	4	2	2	18	
GP-TS-GAK	Guided Project with Team Supervision, focused on Generating and Accessing Knowledge	x	x	6	2	2	2	4	2	18	
P-MRI-F	Projekt (fokussiert) im Schwerpunkt "Managing and Running IT", Typ F	x				2			4	6	
P-MRI-X	Projekt (komplex) im Schwerpunkt "Managing and Running IT", Typ X	x		1	1	3	1		6	12	
P-MRI-U	Projekt (umfangreich) im Schwerpunkt "Managing and Running IT", Typ U	x		1		3			5	9	
Abschlussarbeit											
MA	Masterarbeit mit Kolloquium / Master Thesis with Colloquium	x	x	(keine Zuordnung)							30