

Anlage 1: Struktur des Curriculums

a) Studienplan für Studierende in der dreisemestrigen Studiengangsvariante, Modulübersicht mit Prüfungsformen

Modul-ID	Modul	ECTS
	1. Semester (Winter)	
AI5175	Frameworks & Application Development for Data Science	5
AI5032	Preparation and Analysis of Data	5
AI5176	Mathematics for Data Science	5
AI5031	Machine Learning	5
AI5158	Process Mining	5
AI5177	Security, Legal and Ethical Issues of Data Science	5
	2. Semester (Sommer)	
AI5025	Big Data Technologies	5
AI5170	Data Visualization	5
AI5120	Data Mining und Predictive Analytics	5
AI5178	Team Project	10
AI5017	Masterseminar	5
	3. Semester (Winter)	
AI5179	Master's Thesis in Data Science	30

b) Studienplan für Studierende in der viersemestrigen Studiengangsvariante, Modulübersicht mit Prüfungsformen

Modul-ID	Modul	ECTS
	1. Semester (Winter)	
AI5175	Frameworks & Application Development for Data Science	5
AI5032	Preparation and Analysis of Data	5
AI5176	Mathematics for Data Science	5
AI5031	Machine Learning	5
AI5158	Process Mining	5
AI5177	Security, Legal and Ethical Issues of Data Science	5
	2. Semester (Sommer)	
AI5025	Big Data Technologies	5
AI5170	Data Visualization	5
AI5120	Data Mining und Predictive Analytics	5
AI5178	Team Project	10
AI5017	Masterseminar	5
	3. Semester (Winter oder Sommer)	
	2 alternative Optionen: (1) Intercultural Study of Data Science (AI5180) (2) Research Project (AI5016) und Intercultural Communication and Scientific Work (SK5900) und Additional Courses for Data Science (AI4002)	30
	4. Semester (Winter oder Sommer)	
AI5179	Master's Thesis in Data Science	30