

Chair / Professor	Requirements		
Prof. Dr. Christian Bizer	<ul style="list-style-type: none"> • Data Mining <i>or</i> • LSDM <i>or</i> • Decision Support 	at least 1 specialization Course of the DWS Group	Programming skills in JAVA <i>and</i> if any Python <i>or</i> R
Prof. Dr. Heiko Paulheim	Data Mining	at least 1 specialization Course of the DWS Group	Programming skills in JAVA <i>or</i> Python
Prof. Dr. Heiner Stuckenschmidt	<ul style="list-style-type: none"> • Decision Support <i>or</i> • Data Mining <i>or</i> • Algorithmics 	Programming skills in JAVA	Attended a seminar or team project with Prof. Stuckenschmidt or InES
<i>or:</i>	Process Management	Management of Enterprise Systems	Deutschsprachig
Prof. Dr. Rainer Gemulla	<ul style="list-style-type: none"> • Data Mining I <i>or</i> • LSDM <i>or</i> • Machine Learning 	At least 3 fundamental or specialization courses of the DWS group	Programming skills in Java and/or Python
Prof. Dr. Matthias Krause	<ul style="list-style-type: none"> • Algorithmics (CS 550) <i>or</i> • Kryptographie II ((CS 651) <i>or</i> • Courses in Algorithmics / Data Structures or Cryptography or Theoretical Computer Science or Complexity Theory at B.Sc. or M.Sc. level 	Good programming skills in JAVA or C/C++	
Prof. Dr. Simone Ponzetto	<ul style="list-style-type: none"> • LSDM <i>or</i> • Decision Support 	<ul style="list-style-type: none"> • Information Retrieval & Web Search <i>or</i> • Text Analytics <i>or</i> • Hot Topics in Machine Learning <i>or</i> • Data Mining and Matrices 	programming skills in at least one high-level programming language (e.g. Java, Python, C++, C#, R and Matlab)
Prof. Dr. Guido Moerkotte	<ul style="list-style-type: none"> • Seminar of Prof. Moerkotte <i>or</i> • Seminar of Prof. Krause <i>or</i> • Seminar of Prof. Gemulla 	Data Base Systems II	Programming skills
Prof. Dr. Colin Atkinson	Advanced Software Engineering	Ability to program in an OO language (e.g. Java, Python etc.)	
Prof. Dr. Frederik Armknecht	<ul style="list-style-type: none"> • Algorithmics <i>or</i> • Cryptography II <i>or</i> • Data Security (as of FSS2020) <i>or</i> • Cryptography I <i>or</i> • Selected Topics in IT-Security 	Good programming skills (e.g. in JAVA or C++)	
Prof. Dr. Armin Heinzl	• successful completion of a seminar of the Area IS		
Prof. Dr. Han van der Aa	<ul style="list-style-type: none"> • Process Mining & Analytics <i>or</i> • Advanced Process Mining 	Programming skills in JAVA <i>or</i> Python	
Prof. Dr. Roland Leißa	At least one course/one seminar in the area of <ul style="list-style-type: none"> • Algorithmics • Software Engineering 	Good programming skills in JAVA or C/C++	

	<ul style="list-style-type: none"> • Programming Languages • Concurrent programming • Graphics • Image Processing • Security 		
Jun.-Prof. Dr. Philipp Kellmeyer	At least 1 specialization course of the DWS Group	Experience and advanced skills in academic writing	
Prof. Dr.-Ing. Margret Keuper	Tba		