Module structure Business Intelligence and Data Analytics

Modules Master Business Intelligence and Data Analytics			
Master Thesis and Colloquium	28 ECTS	30 ECTS	3./5 Semester
Introduction to Scientific Working	2 ECTS		

Technical Mandatory Modules			**Professionalization Mandatory Modules**		**Business Mandatory Modules**			
Computer Sciences* 5 ECTS	Machine Learning* 5 ECTS	Project T* 5 ECTS			Controlling* 5 ECTS		25 / 20 ECTS	2./ 1. Semester 4./ 3. Semester
Data Management* 5 ECTS			Communication & Culture* 5 ECTS	Introduction to Data Science* 5 ECTS	Business Analytics* 5 ECTS	Project B* 5 ECTS	25 / 20 ECTS	1. / 2. Semester 3./4. Semester

Technical Compulsory Elective Modules		**Professionalization Compulsory Elective Modules**	**Business Compulsory Elective Modules**			
Simulation of Production Systems** 5 ECTS	Current Topic T** 5 ECTS	Quality Management** 5 ECTS	ERP-Systems** 5 ECTS	Current Topic B** 5 ECTS	15 ECTS	2./ 1. Semester 4./ 3. Semester
Digitalization and Automation** 5 ECTS	Current Topic T** 5 ECTS	Advanced Project Management** 5 ECTS	Marketing** 5 ECTS	Current Topic B** 5 ECTS	15 ECTS	1. / 2. Semester 3./4. Semester
Data Security ** 5 ECTS						

*Legend: * Mandatory Module total 45 CP (ECTS) **Compulsory Elective Module total 15 CP (ECTS); Optional selection of occupancy of modules*

Technical Modules	**Professionalization Modules**	**Business Modules**
• Computer Sciences • Machine Learning • Data Management • Project T • Current Topic T • Digitalization and Automation • Simulation of Production Systems • Data Security	• Introduction to Data Science • Communication & Culture • Advanced Project Management • Quality Management • Innovation Management	• Business Analytics • Controlling • Project B • Current Topic B • Marketing • ERP- Systems