

# Module structure Business Intelligence and Data Analytics

Modules Master Business Intelligence and Data Analytics		
Master Thesis and Colloquium	28 ECTS	30 ECTS
Introduction to Scientific Working	2 ECTS	

Technical Mandatory Modules			Professionalization Mandatory Modules		Business Mandatory Modules	
Computer Sciences*	Machine Learning*	Project T*			Controlling*	
5 ECTS	5 ECTS	5 ECTS			5 ECTS	
Data Management*			Communication & Culture*	Introduction to Data Science*	Business Analytics*	Project B*
5 ECTS			5 ECTS	5 ECTS	5 ECTS	5 ECTS

Technical Compulsary Elective Modules		Professionalization Compulsary Elective Modules		Business Compulsary Elective Modules	
Simulation of Production Systems**	Current Topic T**	Quality Management**		ERP-Systems**	Current Topic B**
5 ECTS	5 ECTS	5 ECTS		5 ECTS	5 ECTS
Digitalization and Automation**	Current Topic T**	Advanced Project Management**		Marketing**	Current Topic B**
5 ECTS	5 ECTS	5 ECTS		5 ECTS	5 ECTS
Data Security **					
5 ECTS					

Legend: \* Mandatory Module

\*\*Compulsary Elective Module

Technical Modules	Professionalization Modules	Business Modules
<ul style="list-style-type: none"> <li>Computer Sciences</li> <li>Machine Learning</li> <li>Data Management</li> <li>Project T</li> <li>Current Topic T</li> <li>Digitalization and Automation</li> <li>Simulation of Production Systems</li> <li>Data Security</li> </ul>	<ul style="list-style-type: none"> <li>Introduction to Data Science</li> <li>Communication &amp; Culture</li> <li>Advanced Project Management</li> <li>Quality Management</li> </ul>	<ul style="list-style-type: none"> <li>Business Analytics</li> <li>Controlling</li> <li>Project B</li> <li>Current Topic B</li> <li>Marketing</li> <li>ERP- Systems</li> </ul>

