

CURRICULUM MASTER'S PROGRAMME IN INFORMATION SYSTEMS

University of Liechtenstein

BASIC EDUCATION: 1 ST AND 2 ND SEMESTERS									
1	Management Information Systems 6 ECTS	Business Process Management 6 ECTS	Information Systems Modelling 3 ECTS	Information Systems Development 3 ECTS	Data Management 3 ECTS	Business Statistics 3 ECTS	Innovation Lab 3 ECTS	Cross-Faculty Elective I 3 ECTS	
2	Data and Application Security 6 ECTS	Digital Innovation 6 ECTS	Data Science 6 ECTS		Enterprise Architecture Management 3 ECTS	Core Elective I 3 ECTS	Digital Business 3 ECTS	Cross-Faculty Elective II 3 ECTS	
SPECIALISATION: 3 RD SEMESTER									
3	Emerging IT Topics 3 ECTS	Human-Centred Design 3 ECTS	Core Elective II 3 ECTS	Core Elective III 3 ECTS	Core Elective IV 3 ECTS	Research Methods 3 ECTS	Research Seminar 3 ECTS	Project Seminar 6 ECTS	Cross-Faculty Elective III 3 ECTS
MASTER'S THESIS: 4 TH SEMESTER									
4	Master's Thesis 27 ECTS							Cross-Faculty Elective IV 3 ECTS	

Students can take Core Elective in four subject areas:

SUBJECT AREAS	SELECTION OF CORE ELECTIVES		
BUSINESS PROCESS MANAGEMENT:	BPM and Organisational Practice	Business Process Analysis	Process Mining
DATA AND APPLICATION SECURITY:	Security Management	Intrusion Detection and Mitigation	Network and System Security
DATA SCIENCE:	Artificial Intelligence and Deep Learning	Advanced Machine Learning	Data Visualisation
DIGITAL INNOVATION:	Digital Humanities	Digital Entrepreneurship	Autonomous Tools, Design, and Innovation

Cross-Faculty Electives:

Cross-Faculty Elective 3 ECTS						
Cross-Faculty Elective 3 ECTS						
Cross-Faculty Elective 3 ECTS	or	Cross-Programme Elective 3 ECTS				
Cross-Faculty Elective 3 ECTS	or	Cross-Programme Elective 3 ECTS	or	Core Elective 3 ECTS		
12 ECTS*	=	6 – 12 ECTS	+	0 – 6 ECTS	+	0 – 3 ECTS

*Courses can be arranged individually. A total of 12 ECTS must be achieved.