

# CURRICULUM MASTER'S PROGRAMME IN INFORMATION SYSTEMS

University of Liechtenstein

BASIC EDUCATION: 1 <sup>ST</sup> AND 2 <sup>ND</sup> 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 <sup>RD</sup> 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 <sup>TH</sup> SEMESTER									
4	Master's Thesis 27 ECTS							Cross-Faculty Elective IV 3 ECTS	

Students can take electives in four subject areas: **Business Process Management**, **Data and Application Security**, **Data Science** or **Digital Innovation**. Currently, the following electives are offered:

- **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

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