

# 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		Data and Application Security 6 ECTS		Data Management 3 ECTS	Business Statistics 3 ECTS	Innovation Lab 3 ECTS	Cross-Faculty Elective I 3 ECTS
2	Information Systems Modelling 3 ECTS	Information Systems Development 3 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 **Ditigital Innovation**. Currently, the following electives are offered:

- **Business Process Management:** BPM and Organisational Practice, Business Process Analysis, Business Process Implementation
- **Data and Application Security:** Network and System Security, Intrusion Detection and Mitigation, Security Management
- **Data Science:** Artificial Intelligence and Deep Learning, Advanced Machine Learning, Data Visualisation, Multiple Linear Regression
- **Digital Innovation:** Digital Humanities, Digital Entrepreneurship, Autonomous Tools, Design, and Innovation

**Please note:** The curriculum is subject to change. Courses might be changed or updated at a later point.

University of Liechtenstein, Fürst-Franz-Josef-Strasse, 9490 Vaduz, Liechtenstein, phone +423 265 11 11, fax +423 265 11 12, info@uni.li, www.uni.li