UNIVERSITY OF LJUBLJANA | SEB School of Economics and Business

Presentation document

Master in Business Informatics

Academic year 2026/2027

EQUIS ACCREDITED
AACSB ACCREDITED
EFMD AMBA ACCREDITED

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INFORMATION ABOUT THE STUDY PROGRAMME BUSINESS INFORMATICS

General information

Programme	**Business Informatics**
Programme characteristics	
Level of the qualification	Second cycle - Master's study programme SQF level: 8 EQF level: 7 Q F-EHEA level: Second cycle
Name of qualification	Diploma druge stopnje / Master's degree Second cycle Master's study programme in Business Informatics
Field(s) of study:	KLASIUS-SRV: Master's education (second Bologna cycle)/Master (second Bologna cycle) (17003) ISCED: Business and administration (34) KLASIUS-P-16: Management and administration (0413) Frascati: Social Sciences (5)
Duration of study	2 years (4 semesters)
Scope of ECTS	120 ECTS
UL member	School of Economics and Business, Kardeljeva ploščad 17, 1000 Ljubljana, Slovenija

Study programme learning outcomes

The key objectives and competencies of the Business Informatics programme are as follows:

- Key objective 1: A graduate becomes familiar with the meaning and role of business informatics in generating value added for an organisation.
  - Key sub-objective 1.1: A graduate understands that the informatisation of business operations should strive to achieve better business performance and effectiveness.
  - Key sub-objective 1.2: A graduate understands that the informatisation of business operations should strive to improve a company's competitiveness.
- Key objective 2: A graduate acquires practically applicable knowledge of business informatics and knows how to apply it when resolving problems in the fields of digitalisation, redesigning and informatisation of operations, planning, informatics development and management as well as using informatics in business decision-making.
  - Key sub-objective 2.1: A graduate knows how to apply relevant methods and techniques to solve practical problems related to business informatics.
  - Key sub-objective 2.2: A graduate is capable of critically assessing a research problem based on theoretical premises, many sources and relevant primary and/or secondary data.
- Key objective 3: A graduate knows how to apply appropriate theories and concepts when making managerial decisions.
  - Key sub-objective 3.1: A graduate is familiar with advanced theories and concepts in the field of management.
- Key objective 4: A graduate is able to critically analyse and use the concepts of corporate sustainability and corporate social responsibility.

  - Key sub-objective 4.1: A graduate is able to critically analyse corporate social responsibility and corporate sustainability dilemmas as well as use such analysis when making strategic decisions.

- Key objective 5: A graduate is capable of finding contemporary literature, applying identification techniques and methods, modelling and redesigning business processes and business informatisation as well as actively cooperating with all management levels with the aim to improve the organisation.
  - Key sub-objective 5.1: A graduate is capable of finding contemporary literature, using planning techniques and methods as well as developing information systems and business process models.

- Key objective 6: A graduate knows how to communicate effectively.
  - Key sub-objective 6.1: A graduate possesses effective written communication skills.
  - Key sub-objective 6.2: A graduate possesses effective oral communication skills.

- Key objective 7: A graduate develops good teamworking skills.
  - Key sub-objective 7.1: A graduate is able to effectively cooperate and work in a team.

Based on the substantive concept and implementation of the graduate study programme, a graduate *acquires the following* ***general competencies***:
- ability to think logically and in abstract terms, to analyse, synthesise and evaluate,
- ability to identify and resolve problems as well as formulate decisions,
- ability to think critically and comprehensively,
- ability to make independent searches, interpret and use new sources of knowledge in expert and scientific fields,
- ability to contextualise and autonomously upgrade information,
- ability to expertly and effectively use information-communication technologies (ICT) when searching, selecting, processing, presenting and forwarding data and information,
- ability to express in writing and orally their knowledge in an expert field as well as to critically evaluate it,
- good teamworking skills.

Subject-specific competencies gained in the course of the study programme:
- ability to comprehend the meaning and role of business informatics in generating value added for an organisation,
- ability to understand the effect of IT on business performance and effectiveness as well as on a company achieving a competitive edge,
- ability to apply the gained knowledge in resolving problems related to digitalisation, redesigning and informatisation of business operations, planning, informatics development and management as well as the use of informatics in business decision-making,
- ability to apply relevant methods and techniques to resolve practical problems,
- ability to use appropriate theories and concepts in managerial decision-making,
- ability to critically analyse corporate social responsibility and corporate sustainability dilemmas as well as use such analysis when making strategic decisions,
- ability to find contemporary literature, use identification techniques and methods, model and redesign business processes and business informatisation as well as actively cooperate with all management levels with the aim to improve the organisation,

- ability to critically assess a research problem based on theoretical premises, many sources and relevant primary and/or secondary data.

Admissions Criteria

Anyone that has completed the following is eligible to enrol in the first year of the Master's programme Business Informatics:

- Graduates of first-level programmes in relevant study programmes with at least 180 ECTS, or those that have completed the pre-Bologna programme of study for qualification in relevant study programmes;
- Graduates of equivalent courses listed in the previous paragraph in unrelated areas of study and must complete additional academic requirements of 12 ECTS: Microeconomics 1 (6 ECTS) and Introduction to Business (6 ECTS).

In cases where available spots are limited:

In cases where the number of available spots is limited, candidates are ranked based on their undergraduate GPA.

Enrolment by transition criteria:

Candidate, who passes from one programme to the other, must meet the enrolment requirements of the other. Commission for Academic Affairs of the UL SEB defines possible additional study obligations if the study content of previous studies does not cover the content of the chosen master's study programme.

Title conferred in the original language: magister poslovnih ved/ magistrica poslovnih ved

Title conferred in the original language (abbreviated): mag. posl. ved

Title conferred in English language (and title abbreviated): Master of Science (M.Sc.)

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STUDY PROGRAMME CURRICULUM
BUSINESS INFORMATICS

Year 1

				Contact hours									
	University Course Code	Course title	Lecturers	Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study	Individual student work	Total hours	ECTS	Semesters	Elective
1.	0090738	Organization and management	MATEJ LAHOVNIK, VLADO DIMOVSKI	45	45	0		15	105	210	7	1st semester	no
2.	0090735	Research methods and techniques	DENIS MARINŠEK	52	18	21		15	104	210	7	1st semester	no
3.	0090899	Business Process Management	MOJCA INDIHAR ŠTEMBERGER	30	15	30		15	120	210	7	1st semester	no
4.	0090737	Accounting information for decision-making	BARBARA MÖREC, MARKO HOČEVAR, METKA TEKAVČIČ, SIMON ČADEŽ	45	0	30		15	104	210	7	1st semester	no
5.	0090740	Strategic Management 2	ADRIANA REJC BUHOVAC, MATEJ LAHOVNIK, TOMAŽ ČATER	48	14	28		15	105	210	7	2nd semester	no
6.	0090900	Digital business	ALEŠ GROZNIK, MIRO GRADIŠAR	45	24	6		15	120	210	7	2nd semester	no
7.	0090901	Business intelligence and analytics	JURIJ JAKLIČ	30	30	15		15	120	210	7	2nd semester	no
8.	0096978	Elective course		45	45	0		27	93	210	7	2nd semester	yes
9.	0093709	Business skills development 1	MATEJ ČERNE	0	10	0		20	90	120	4	2nd semester	no
		Total		340	201	130	0	152	977	1800	60		

Year 2

				Contact hours									
	University Course Code	Course title	Lecturers	Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study	Individual student work	Total hours	ECTS	Semesters	Elective
1.	0090911	Information systems management	MIRO GRADIŠAR, MOJCA INDIHAR ŠTEMBERGER, TOMAŽ TURK	45	30	0		15	120	210	7	1st semester	no
2.	0096979	Specialised programme course 1		42	0	0		15	153	210	7	1st semester	yes
3.	0096980	Specialised programme course 2		30	45	15		15	105	210	7	1st semester	yes
4.	0090547	Master's thesis disposition		20	7	0		15	168	210	7	1st semester	no
5.	0096981	Elective course		30	0	0		27	153	210	7	2nd semester	yes
6.	0093735	Business skills development 2	MATEJ ČERNE	0	10	0		20	90	120	4	2nd semester	no
7.	0090548	Master's thesis		0	10	0		15	605	630	21	2nd semester	no
		Total		167	102	15	0	122	1394	1800	60		

Year 2, Specialised programme courses

				Contact hours									
	University Course Code	Course title	Lecturers	Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study	Individual student work	Total hours	ECTS	Semesters	Elective
1.	0094140	Data Mining	JURIJ JAKLIČ	21	21	0		15	153	210	7	1st semester	yes
2.	0094139	Information systems analysis and design	LUKA TOMAT, MIRO GRADIŠAR	42	0	0		15	153	210	7	1st semester	yes
3.	0094141	Developing software solutions	TOMAŽ TURK	42	0	0		15	153	210	7	1st semester	yes

				Contact hours									
	University Course Code	Course title	Lecturers	Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study	Individual student work	Total hours	ECTS	Semesters	Elective
4.	0643179	Digital innovation	MATEJ ČERNE, PETER TRKMAN	42	0	0		15	153	210	7	1st semester	yes
		Total		147	21	0	0	60	612	840	28		

Specialised programme course 1 student selects: Data Mining or Information systems analysis or design.
Specialised programme course 2 student selects: Developing software solutions or Digital innovation.

Year 1, Year 2, Elective course

				Contact hours									
	University Course Code	Course title	Lecturers	Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study	Individual student work	Total hours	ECTS	Semesters	Elective
1.	0090908	Advanced Programming	TOMAŽ TURK	30	0	0		45	135	210	7	2nd semester	yes
2.	0090906	Artificial Intelligence with Deep Learning	DAMJANA KOKOL BUKOVŠEK, SIMONA KORENJAK ČERNE	18	12	0		27	153	210	7	2nd semester	yes
3.	0090909	Business Simulations and Modelling	MOJCA INDIHAR ŠTEMBERGER, TOMAŽ TURK	30	0	0		45	135	210	7	2nd semester	yes
4.	0090904	Electronic Communications	TOMAŽ TURK	30	0	0		45	135	210	7	2nd semester	yes
5.	0094138	IT Project Management	MOJCA INDIHAR ŠTEMBERGER	30	0	0		45	135	210	7	2nd semester	yes
6.	0090907	Modern Telecommunication Services and Technologies	TOMAŽ TURK	30	0	0		45	135	210	7	2nd semester	yes
7.	0090905	Theory of Algorithms	DAMJANA KOKOL BUKOVŠEK	30	0	0		45	135	210	7	2nd semester	yes
		Total		198	12	0	0	297	963	1470	49		

Students may choose any elective course within the UL SEB or any other UL higher education institution which is properly accredited and has at least 7 ECTS and it is a course within second cycle programme.