BSc in Business Informatics
Curriculum (from the academic year 2022-2023)
full time programme

Semester	Subject	Contact hours per semester	Theory	Practice	Credits	Assessment	Type of subject	Category	Pre-requisites
1st	Mathematics I	45	1	2	6	exam mark	mandatory	SS	
	Information Management	30	0	2	4	term mark	mandatory	EMB	
	Fundamentals of Law	30	2	0	2	term mark	mandatory	PS	
	Economics I	45	1	2	6	exam mark	mandatory	EMB	
	Operating Systems	30	1	1	4	exam mark	mandatory	PS	
	Optional course units (1 subject)								
	Intercultural Business Communication	30	0	2	3	term mark	optional	O	
	Future Studies	30	0	2	3	term mark	optional	O	
	Foreign Direct Investment and Globalization	30	0	2	3	term mark	optional	O	
		210	5	9	25				
2nd	Mathematics II	45	1	2	6	exam mark	mandatory	SS	**Mathematics I**
	Economics II	45	1	2	6	exam mark	mandatory	EMB	
	Linear Algebra	30	1	1	4	exam mark	mandatory	SS	
	Quality Management and Informatics	30	1	1	4	term mark	mandatory	PS	
	Fundamentals of Corporate Economics	45	2	1	6	exam mark	mandatory	EMB	
	Mathematical Statistics I	45	1	2	5	term mark	mandatory	SS	
	Optional course units (1 subject)					term mark			
	Economic Ethics	30	0	2	3	term mark	optional	O	
	Press and Media Studies	30	0	2	3	term mark	optional	O	
	Presentations Skills	30	0	2	3	term mark	optional	O	
		270	7	11	34				
3rd	Operations Research	45	1	2	4	exam mark	mandatory	SS	Linear Algebra
	Programming I	45	1	2	6	term mark	mandatory	PS	Linear Algebra
	Infrastructure-Management	30	1	1	4	exam mark	mandatory	PS	
	Mathematical Statistics II	45	1	2	5	term mark	mandatory	SS	Mathematical Statistics I+ Mathematics II
	Finance	45	2	1	6	exam mark	mandatory	EMB	
	Business English I.	45	0	3	3	term mark	mandatory	PS	
	Physical Education I	30	0	2	0	Lecturer's signature	criterion	-	
	Computing Science (Theory of Algorithms) I	15	1	0	3	term mark	mandatory	S	
		300	7	13	31				
4th	Controlling	30	0	2	4	term mark	mandatory	EMB	
	Audit of Information Systems I.	30	0	2	3	term mark	mandatory	PS	
	Computing Science (Theory of Algorithms) II	30	1	1	4	exam mark	mandatory	SS	
	Physical Education II	30	0	2	0	Lecturer's signature	criterion	-	
	Software Technology	30	2	0	2	exam mark	mandatory	PS	
	Database Management Systems I	45	1	2	6	term mark	mandatory	PS	**Programming I + Linear Algebra**
	Accounting	45	1	2	3	term mark	mandatory	EMB	
	Business English II.	45	0	3	3	term mark	mandatory	PS	
	Programming II	45	1	2	6	term mark	mandatory	PS	**Programming I**
	Elective course units (1 subject)							PS	
	Decision Support Systems	30	1	1	3	exam mark	elective	PS	
	Market Research	30	1	1	3	term mark	elective	PS	

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	Optional course units (1 subject)								
	Negotiations Skills	30	0	2	3	term mark	optional	O	
	Talent Nurturing and Second-line Development	30	0	2	3	term mark	optional	O	
		360	7	17	33				
5th	Project Work I	30	0	2	2	term mark	mandatory	PS	
	Management and Organization	30	1	1	3	term mark	mandatory	EMB	
	Elective course units (1 subject)								
	Programming Web Systems	30	1	1	3	exam mark	elective	PS	
	Software Management	30	1	1	3	exam mark	elective	PS	
	Business Data Analysis Specialization								**Minimum 100 credits**
	Data Mining Algorithms I	45	1	2	3	term mark	mandatory	PS	
	Data Analysis and Visualization I	45	2	1	3	term mark	mandatory	PS	
	Database Management Systems II	45	1	2	6	term mark	mandatory	PS	Database Management Systems I
	Auditing Information Systems II:	30	1	1	4	exam mark	mandatory	PS	
	General Business Rules I.	45	2	1	3	term mark	mandatory	PS	
		300	9	11	27				
6th	Integrated Corporate Systems	45	2	1	2	exam mark	mandatory	PS	
	Business Intelligence	30	1	1	4	exam mark	mandatory	PS	
	Computer Networks	45	1	2	4	term mark	mandatory	PS	
	Software Technology	45	1	2	4	term mark	mandatory	PS	
	Project work II	30	0	2	2	term mark	mandatory	PS	Project work I
	Optional course units (1 subject)								
	Professional Skills Development	30	0	2	3	term mark	optional	O	
	Group Dinamics	30	0	2	3	term mark	optional	O	
	Career Planning and Self-marketing	30	0	2	3	term mark	optional	O	
	Business Data Analysis Specialization								
	Data Mining Algorithms II	45	1	2	3	term mark	mandatory	PS	
	Data Analysis and Visualization II.	45	2	1	3	term mark	mandatory	PS	
	Communication Protocols	30	1	1	3	exam mark	mandatory	PS	
	General Business Rules II.	45	2	1	3	term mark	mandatory	PS	
	Data and Information Security of Organizations	45	1	2	3	exam mark	mandatory	PS	
		435	12	17	34				
7.	Thesis	0	0	0	10	term mark	mandatory	PS	Project work I
	Internship	400	0	400	20	term mark	mandatory	PS	Project work I
		400	0	400	30				

*Abbreviations according to the Educational and Training Outcomes Requirements : EMB - Economics, Methodology and Business; SS- Social Sciences; PS -Professional Skills; S- Science; O - Optional