

**Undergraduate Curriculum - INFORMATION TECHNOLOGY - study mode: part-time; mode 2**

For academic year: 2021/22 and later

	Course	Code	Clas hrs.			I year		II year		III year		IV year		ECTS score
			lect.	lab.	eL	1	2	3	4	5	6	7	8	
1	Calculus	AM	0	0	32	EZ							6	
2	Computer Techniques and Architecture	TAK	16	0	16	E							4	
3	Foundations of Java Programming	PPJ	32	0	32	EZ							6	
4	Introduction to Information Systems	WSI	16	32	16	EZ							6	
5	English	ANG1	0	0	16	Z							3	
6	Linear Algebra with Geometry	ALG	0	0	32		EZ						6	
7	Relational Databases	RBD	0	32	4		EZ						6	
8	Operating Systems	SOP	16	0	16		Z						4	
9	Object-Oriented Programming and Graphical User Interfaces	GUI	32	0	32		Z						6	
10	English	ANG2	0	0	16		Z						3	
11	Discrete Mathematics	MAD	0	0	32			EZ					6	
12	Computer Graphics	GRK	0	32	4			EZ					5	
12	Universal Programming Techniques	UTP	16	0	16			Z					4	
14	Programming in C and C++	PJC	16	0	16			Z					4	
15	Japanese History and Culture	HKJ	0	0	16			Z					3	
16	English	ANG3	0	0	16			Z					3	
17	Multimedia	MUL	0	32	4				EZ				6	
18	Fundamentals of Python Programming	PPY	16	0	16				Z				4	
19	Database Systems	SBD	16	0	16				EZ				6	
20	Computer Networks and Network Programming in Java	SKJ	16	0	16				EZ				5	
21	Algorithms and Data Structures	ASD	16	0	32				EZ				7	
22	English	ANG4	0	0	16				Z				3	
23	Information Systems Security	BSI	16	0	16					EZ			5	
24	Digital Systems and Foundations of Electronics	SYC	0	32	4					Z			5	
25	Statistical Data Analysis	SAD	16	0	16					EZ			5	
26	Software Design	PRI	16	0	16					EZ			6	
27	Elective Course 1		0	0	32					EZ			5	
28	Software Engineering	BYT	16	0	16						EZ		6	
29	Artificial Intelligence Tools	NAI	16	0	16						EZ		6	
30	Modeling and Analysis of Information Systems	MAS	16	0	16						EZ		5	
31	IT Project Management	ZPR	16	0	16						EZ		5	
32	Project 1 (specialization-specific)	PRO1	0	16	16							Z	10	
33	Work on project	SPP1												
34	Specialization-specific Course 1		0	12	20							EZ	8	
35	Elective Course 2		0	0	32							EZ	5	
36	Elective Course 3		0	0	32							EZ	5	
37	Elective Course 4		0	0	32							EZ	5	
38	Specialization-specific Course 2		0	12	20							EZ	8	
39	Project 2 (specialization-specific)	PRO2	0	16	16							Z	10	
40	Work on project	SPP2												
41	Internship			160									6	
42	Elective Course 5		0	0	32							EZ	5	
43	Elective Course 6		0	0	32							EZ	5	

**Elective courses**

1	Foundations of Computer Simulations	PSM			32							EZ	5
2	Database Applications	APBD			32							EZ	5
3	Distributed Programming Techniques	TPO			32							EZ	5
4	Legal Bases of Business	PPB			32							EZ	5
5	Business Process Engineering	IPB			32							EZ	5
6	Business Portal Development	TPB			32							EZ	5
7	Fundamentals of Organization and Management	POZ			32							EZ	5
8	Introduction to marketing and management	RPG			32							EZ	5
9	Introduction to Economics	ITE			32							EZ	5
9	Machine Learning Foundations	PUM			32							EZ	5
10	AutoML Runtime Environments	SUML			32							EZ	5
11	Machine learning operations and system architectures	ASI			32							EZ	5
12	Basics of Bioinformatics	PBIO			32							EZ	6
10	Automata and grammars	AUG			32							EZ	5

**Specialization-specific courses**

1	Internet Technologies (spec. code BD, IO, PAB)	TIN		12	20							EZ	8	
2	Advanced Computer Networks (spec. code SI)	ZSK		12	20							EZ	8	
3	Database Administration (spec. code BD, IO)	ABD		12	20								EZ	8
4	Advanced Operating Systems (spec. code SI)	ZSO		12	20								EZ	8
5	Multimedia 1 (spec. code MU)	MUL1		12	20							EZ	8	
6	Multimedia 2 (spec. code MU)	MUL2		12	20								EZ	8
7	Data Warehouses (spec. code HU)	HUR		12	20							EZ	8	
8	Data mining (spec. code HU)	EDP		12	20								EZ	8
9	Programming for Mobile Devices (spec. code PAB)	PRM		12	20								EZ	8

Applies since academic year 2021/2022

Signed (date):

Delivered (date):