

STUDY PLAN FOR RECRUITMENT 2021/2022
The Faculty of Informatics
Specialty: IT in business

Academic degree: first-cycle studies

Educational profile: practical

Form of study: full-time

Lp.	Name of the item	Form of credit	Sum of hours	lecture	exercise	lab/editing	design		practice	ECTS	ECTS for the foreword practical	ECTS for the foreword elective	ECTS for the foreword to the shape at a distance
SEMESTER I													
1	Foreign language	ZO	30			30				2		+	
2	Social informatics/ Philosophy of computer science	ZO	30	15	15					1		+	+
3	Social competence	ZO	30	15	15					2			+
4	Physical education	ZO	30		30					0			
5	OSH training	Z	4	4						0			
6	Librarian training	Z	2		2					0			
7	Mathematical analysis	E	60	30	30					5			
8	Logic and set theory	E	60	30	30					4			
9	Digital techniques and technologies	ZO	15	15						1	+		+
10	Computer science and computer systems architecture fundamentals	E	45	15		30				5	+		
11	Basics of programing	ZO	60	30		30				6	+		
12	Computer graphics techniques	ZO	30	15		15				4	+		
Σ			396	169	122	105	0	0	0	30	16	3	4
SEMESTER II													
13	Foreign language	ZO	30			30				2		+	
14	Physical education	ZO	30		30					0			
15	Linear algebra with analytical geometry	E	45	15	30					3			
16	Physics	E	60	15	15	30				4	+		
17	Discrete mathematics	ZO	45	15	30					3			
18	Ecological engineering/Renewable energy sources	ZO	60	30		30				3	+	+	
19	Electronic measurement	ZO	45	15		30				3	+		
20	Digital techniques and technologies	ZO	15			15				1	+		
21	Basics of object-oriented programming	E	45	15		30				3	+		
22	Computer Networks	ZO	60	30		30				3	+		
23	Internet technologies	E	45	15		30				3	+		
24	Social and professional issues of computer science	ZO	30	15		15				2	+		
Σ			510	165	105	240	0	0	0	30	22	5	0
SEMESTER III													
25	Foreign language	E	30			30				2		+	
26	Signal analysis and processing/ Digital signal processing	E	75	30		30	15			3	+	+	
27	Probabilistic methods and statistics	ZO	45	15		15	15			3	+		
28	Fundamentals of automation	E	60	30		30				4	+		
29	Digital techniques and technologies	ZO	15				15			1	+		
30	Algorithms and data structures	E	60	30		30				5	+		
31	Object oriented programming	ZO	45	15		30				4	+		
32	Operating Systems	ZO	45	15		30				4	+		
33	Business plan	ZO	45	15		15	15			4	+	+	
Σ			420	150	0	210	60	0	0	30	28	9	0

Lp.	Name of the item	Form of credit	Sum of hours	lecture	exercise	lab/editing	design		practice	ECTS	ECTS for the foreword practical	ECTS for the foreword elective	ECTS for the foreword to the shape at a distance
SEMESTER IV													
34	Foreign language	E	30			30				2		+	
35	Fundamentals of electrical engineering and electronics	ZO	60	15		30	15			3	+		
36	Basics of databases	E	45	15		30				2	+		
37	Introduction to web applications	E	45	15		30				2	+		
38	Professional practice	ZO	480						480	18	+		
39	Information technologies in marketing research	E	45	15		30				3	+	+	
Σ			705	60	0	150	15	0	480	30	28	5	0
SEMESTER V													
40	Diploma seminar	ZO	15		15					2	+	+	+
41	Database	ZO	45	15		30				3	+		
42	Modeling and computer simulations	ZO	30	15		15				3	+		
43	Basics of telecommunications / Basics of ITT	ZO	45	15			30			3	+	+	
44	IT project / IT project Implementation	ZO	45				45			6	+	+	
45	Numerical Methods	ZO	45	15		30				2	+		
46	Computer architecture	E	60	30		30				3	+		
47	Multimedia technics	ZO	30	15		15				3	+		
48	Information technology in sales management	E	45	15		15	15			3	+	+	
49	IT support for business	ZO	45	15		30				2	+	+	
Σ			405	135	15	165	90	0	0	30	30	16	2
SEMESTER VI													
50	Diploma seminar	ZO	30		30					3	+	+	+
51	Cybersecurity	ZO	30	15		15				2	+		
52	Software engineering	E	60	30		30				3	+		
53	Object-oriented design of information systems / Neural networks	ZO	45	15		30				2	+	+	
54	Professional practice	ZO	480						480	18	+		
55	Legal and administrative conditions for running a business	E	45	15		30				2	+		
Σ			690	75	30	105	0	0	480	30	30	5	3
SEMESTER VII													
56	Diploma seminar	ZO	30		30					13	+	+	+
57	Software testing	ZO	30	15		15				2	+		
58	Embedded systems	E	45	15		30				5	+		
59	Web marketing	E	60	30			30			5	+	+	
60	E-business	E	45	15		30				5	+	+	
Σ			210	75	30	75	30	0	0	30	30	23	13
TOTAL DURING STUDIES			3336	829	302	1050	195	0	960	210	184	66	22
				24,85%	75,15%						87,62%	31,43%	10,48%

STUDY PLAN FOR RECRUITMENT 2021/2022
The Faculty of Informatics
Specialty: Internet technologies and computer graphics

Academic degree: first-cycle studies

Educational profile: practical

Form of study: full-time

Lp.	Name of the item	Form of credit	Sum of hours	lecture	exercise	lab/editing	design		practice	ECTS	ECTS for the foreword practical	ECTS for the foreword elective	ECTS for the foreword to the shape at a distance
SEMESTER I													
1	Foreign language	ZO	30			30				2		+	
2	Social informatics/ Philosophy of computer science	ZO	30	15	15					1		+	+
3	Social competence	ZO	30	15	15					2			+
4	Physical education	ZO	30		30					0			
5	OSH training	Z	4	4						0			
6	Librarian training	Z	2		2					0			
7	Mathematical analysis	E	60	30	30					5			
8	Logic and set theory	E	60	30	30					4			
9	Digital techniques and technologies	ZO	15	15						1	+		+
10	Computer science and computer systems architecture fundamentals	E	45	15		30				5	+		
11	Basics of programing	ZO	60	30		30				6	+		
12	Computer graphics techniques	ZO	30	15		15				4	+		
Σ			396	169	122	105	0	0	0	30	16	3	4
SEMESTER II													
13	Foreign language	ZO	30			30				2		+	
14	Physical education	ZO	30		30					0			
15	Linear algebra with analytical geometry	E	45	15	30					3			
16	Physics	E	60	15	15	30				4	+		
17	Discrete mathematics	ZO	45	15	30					3			
18	Ecological engineering/Renewable energy sources	ZO	60	30		30				3	+	+	
19	Electronic measurement	ZO	45	15		30				3	+		
20	Digital techniques and technologies	ZO	15			15				1	+		
21	Basics of object-oriented programming	E	45	15		30				3	+		
22	Computer Networks	ZO	60	30		30				3	+		
23	Internet technologies	E	45	15		30				3	+		
24	Social and professional issues of computer science	ZO	30	15		15				2	+		
Σ			510	165	105	240	0	0	0	30	22	5	0
SEMESTER III													
25	Foreign language	E	30			30				2		+	
26	Signal analysis and processing/ Digital signal processing	E	75	30		30	15			3	+	+	
27	Probabilistic methods and statistics	ZO	45	15		15	15			3	+		
28	Fundamentals of automation	E	60	30		30				4	+		
29	Digital techniques and technologies	ZO	15				15			1	+		
30	Algorithms and data structures	E	60	30		30				5	+		
31	Object oriented programming	ZO	45	15		30				4	+		
32	Operating Systems	ZO	45	15		30				4	+		
33	Designing user interface	ZO	45	15		30				4	+	+	
Σ			420	150	0	225	45	0	0	30	28	9	0

Lp.	Name of the item	Form of credit	Sum of hours	lecture	exercise	lab/editing	design		practice	ECTS	ECTS for the foreword practical	ECTS for the foreword elective	ECTS for the foreword to the shape at a distance
SEMESTER IV													
34	Foreign language	E	30			30				2		+	
35	Fundamentals of electrical engineering and electronics	ZO	60	15		30	15			3	+		
36	Basics of databases	E	45	15		30				2	+		
37	Introduction to web applications	E	45	15		30				2	+		
38	Professional practice	ZO	480						480	18	+		
39	Computer graphics and visualization	E	45	15		30				3	+	+	
Σ			705	60	0	150	15	0	480	30	28	5	0
SEMESTER V													
40	Diploma seminar	ZO	15		15					2	+	+	+
41	Database	ZO	45	15		30				3	+		
42	Modeling and computer simulations	ZO	30	15		15				3	+		
43	Basics of telecommunications / Basics of ITT	ZO	45	15			30			3	+	+	
44	IT project / IT project Implementation	ZO	45				45			6	+	+	
45	Numerical Methods	ZO	45	15		30				2	+		
46	Computer architecture	E	60	30		30				3	+		
47	Multimedia technics	ZO	30	15		15				3	+		
48	WWW programming	E	45	15		15	15			3	+	+	
49	Content management systems	ZO	45	15		30				2	+	+	
Σ			405	135	15	165	90	0	0	30	30	16	2
SEMESTER VI													
50	Diploma seminar	ZO	30		30					3	+	+	+
51	Cybersecurity	ZO	30	15		15				2	+		
52	Software engineering	E	60	30		30				3	+		
53	Object-oriented design of information systems / Neural networks	ZO	45	15		30				2	+	+	
54	Professional practice	ZO	480						480	18	+		
55	Advanced web programming	E	45	15		30				2	+		
Σ			690	75	30	105	0	0	480	30	30	5	3
SEMESTER VII													
56	Diploma seminar	ZO	30		30					13	+	+	+
57	Software testing	ZO	30	15		15				2	+		
58	Embedded systems	E	45	15		30				5	+		
59	Three-dimensional computer graphics / Image acquisition and visualization devices	E	60	30		15	15			5	+	+	
60	Image processing	E	45	15			30			5	+	+	
Σ			210	75	30	60	45	0	0	30	30	23	13
TOTAL DURING STUDIES			3336	829	302	1050	195	0	960	210	184	66	22
				24,85%	75,15%						87,62%	31,43%	10,48%

STUDY PLAN FOR RECRUITMENT 2021/2022
The Faculty of Informatics
Specialty: Computer networks and cybersecurity

Academic degree: first-cycle studies

Educational profile: practical

Form of study: full-time

Lp.	Name of the item	Form of credit	Sum of hours	lecture	exercise	lab/editing	design		practice	ECTS	ECTS for the foreword practical	ECTS for the foreword elective	ECTS for the foreword to the shape at a distance
SEMESTER I													
1	Foreign language	ZO	30			30				2		+	
2	Social informatics/ Philosophy of computer science	ZO	30	15	15					1		+	+
3	Social competence	ZO	30	15	15					2			+
4	Physical education	ZO	30		30					0			
5	OSH training	Z	4	4						0			
6	Librarian training	Z	2		2					0			
7	Mathematical analysis	E	60	30	30					5			
8	Logic and set theory	E	60	30	30					4			
9	Digital techniques and technologies	ZO	15	15						1	+		+
10	Computer science and computer systems architecture fundamentals	E	45	15		30				5	+		
11	Basics of programing	ZO	60	30		30				6	+		
12	Computer graphics techniques	ZO	30	15		15				4	+		
Σ			396	169	122	105	0	0	0	30	16	3	4
SEMESTER II													
13	Foreign language	ZO	30			30				2		+	
14	Physical education	ZO	30		30					0			
15	Linear algebra with analytical geometry	E	45	15	30					3			
16	Physics	E	60	15	15	30				4	+		
17	Discrete mathematics	ZO	45	15	30					3			
18	Ecological engineering/Renewable energy sources	ZO	60	30		30				3	+	+	
19	Electronic measurement	ZO	45	15		30				3	+		
20	Digital techniques and technologies	ZO	15			15				1	+		
21	Basics of object-oriented programming	E	45	15		30				3	+		
22	Computer Networks	ZO	60	30		30				3	+		
23	Internet technologies	E	45	15		30				3	+		
24	Social and professional issues of computer science	ZO	30	15		15				2	+		
Σ			510	165	105	240	0	0	0	30	22	5	0
SEMESTER III													
25	Foreign language	E	30			30				2		+	
26	Signal analysis and processing/ Digital signal processing	E	75	30		30	15			3	+	+	
27	Probabilistic methods and statistics	ZO	45	15		15	15			3	+		
28	Fundamentals of automation	E	60	30		30				4	+		
29	Digital techniques and technologies	ZO	15				15			1	+		
30	Algorithms and data structures	E	60	30		30				5	+		
31	Object oriented programming	ZO	45	15		30				4	+		
32	Operating Systems	ZO	45	15		30				4	+		
33	Network operating systems	ZO	45	15		30				4	+	+	
Σ			420	150	0	225	45	0	0	30	28	9	0

Lp.	Name of the item	Form of credit	Sum of hours	lecture	exercise	lab/editing	design		practice	ECTS	ECTS for the foreword practical	ECTS for the foreword elective	ECTS for the foreword to the shape at a distance
SEMESTER IV													
34	Foreign language	E	30			30				2		+	
35	Fundamentals of electrical engineering and electronics	ZO	60	15		30	15			3	+		
36	Basics of databases	E	45	15		30				2	+		
37	Introduction to web applications	E	45	15		30				2	+		
38	Professional practice	ZO	480						480	18	+		
39	Cryptography	E	45	15		30				3	+	+	
Σ			705	60	0	150	15	0	480	30	28	5	0
SEMESTER V													
40	Diploma seminar	ZO	15		15					2	+	+	+
41	Database	ZO	45	15		30				3	+		
42	Modeling and computer simulations	ZO	30	15		15				3	+		
43	Basics of telecommunications / Basics of ITT	ZO	45	15			30			3	+	+	
44	IT project / IT project Implementation	ZO	45				45			6	+	+	
45	Numerical Methods	ZO	45	15		30				2	+		
46	Computer architecture	E	60	30		30				3	+		
47	Multimedia technics	ZO	30	15		15				3	+		
48	Design and implementation of computer networks	E	45	15		15	15			3	+	+	
49	Security of web and mobile applications	ZO	45	15		30				2	+	+	
Σ			405	135	15	165	90	0	0	30	30	16	2
SEMESTER VI													
50	Diploma seminar	ZO	30		30					3	+	+	+
51	Cybersecurity	ZO	30	15		15				2	+		
52	Software engineering	E	60	30		30				3	+		
53	Object-oriented design of information systems / Neural networks	ZO	45	15		30				2	+	+	
54	Professional practice	ZO	480						480	18	+		
55	Computer forensics	E	45	15		30				2	+		
Σ			690	75	30	105	0	0	480	30	30	5	3
SEMESTER VII													
56	Diploma seminar	ZO	30		30					13	+	+	+
57	Software testing	ZO	30	15		15				2	+		
58	Embedded systems	E	45	15		30				5	+		
59	Hardware aspects of cybersecurity / ICT network audit	E	60	30		15	15			5	+	+	
60	Cloud security	E	45	15			30			5	+	+	
Σ			210	75	30	60	45	0	0	30	30	23	13
TOTAL DURING STUDIES			3336	829	302	1050	195	0	960	210	184	66	22
				24,85%	75,15%				87,62%		31,43%	10,48%	

STUDY PLAN FOR RECRUITMENT 2021/2022
The Faculty of Informatics
Specialty: Programming and mobile technologies

Academic degree: first-cycle studies

Educational profile: practical

Form of study: full-time

Lp.	Name of the item	Form of credit	Sum of hours	lecture	exercise	lab/editing	design		practice	ECTS	ECTS for the foreword practical	ECTS for the foreword elective	ECTS for the foreword to the shape at a distance
SEMESTER I													
1	Foreign language	ZO	30			30				2		+	
2	Social informatics/ Philosophy of computer science	ZO	30	15	15					1		+	+
3	Social competence	ZO	30	15	15					2			+
4	Physical education	ZO	30		30					0			
5	OSH training	Z	4	4						0			
6	Librarian training	Z	2		2					0			
7	Mathematical analysis	E	60	30	30					5			
8	Logic and set theory	E	60	30	30					4			
9	Digital techniques and technologies	ZO	15	15						1	+		+
10	Computer science and computer systems architecture fundamentals	E	45	15		30				5	+		
11	Basics of programing	ZO	60	30		30				6	+		
12	Computer graphics techniques	ZO	30	15		15				4	+		
Σ			396	169	122	105	0	0	0	30	16	3	4
SEMESTER II													
13	Foreign language	ZO	30			30				2		+	
14	Physical education	ZO	30		30					0			
15	Linear algebra with analytical geometry	E	45	15	30					3			
16	Physics	E	60	15	15	30				4	+		
17	Discrete mathematics	ZO	45	15	30					3			
18	Ecological engineering/Renewable energy sources	ZO	60	30		30				3	+	+	
19	Electronic measurement	ZO	45	15		30				3	+		
20	Digital techniques and technologies	ZO	15			15				1	+		
21	Basics of object-oriented programming	E	45	15		30				3	+		
22	Computer Networks	ZO	60	30		30				3	+		
23	Internet technologies	E	45	15		30				3	+		
24	Social and professional issues of computer science	ZO	30	15		15				2	+		
Σ			510	165	105	240	0	0	0	30	22	5	0
SEMESTER III													
25	Foreign language	E	30			30				2		+	
26	Signal analysis and processing/ Digital signal processing	E	75	30		30	15			3	+	+	
27	Probabilistic methods and statistics	ZO	45	15		15	15			3	+		
28	Fundamentals of automation	E	60	30		30				4	+		
29	Digital techniques and technologies	ZO	15				15			1	+		
30	Algorithms and data structures	E	60	30		30				5	+		
31	Object oriented programming	ZO	45	15		30				4	+		
32	Operating Systems	ZO	45	15		30				4	+		
33	Designing mobile applications on Android	ZO	45	15		30				4	+	+	
Σ			420	150	0	225	45	0	0	30	28	9	0

Lp.	Name of the item	Form of credit	Sum of hours	lecture	exercise	lab/editing	design		practice	ECTS	ECTS for the foreword practical	ECTS for the foreword elective	ECTS for the foreword to the shape at a distance
SEMESTER IV													
34	Foreign language	E	30			30				2		+	
35	Fundamentals of electrical engineering and electronics	ZO	60	15		30	15			3	+		
36	Basics of databases	E	45	15		30				2	+		
37	Introduction to web applications	E	45	15		30				2	+		
38	Professional practice	ZO	480						480	18	+		
39	Advanced object oriented programming	E	45	15		30				3	+	+	
Σ			705	60	0	150	15	0	480	30	28	5	0
SEMESTER V													
40	Diploma seminar	ZO	15		15					2	+	+	+
41	Database	ZO	45	15		30				3	+		
42	Modeling and computer simulations	ZO	30	15		15				3	+		
43	Basics of telecommunications / Basics of ITT	ZO	45	15			30			3	+	+	
44	IT project / IT project Implementation	ZO	45				45			6	+	+	
45	Numerical Methods	ZO	45	15		30				2	+		
46	Computer architecture	E	60	30		30				3	+		
47	Multimedia technics	ZO	30	15		15				3	+		
48	Programming of microcontrollers	E	45	15		15	15			3	+	+	
49	Development of web applications for mobile devices	ZO	45	15		30				2	+	+	
Σ			405	135	15	165	90	0	0	30	30	16	2
SEMESTER VI													
50	Diploma seminar	ZO	30		30					3	+	+	+
51	Cybersecurity	ZO	30	15		15				2	+		
52	Software engineering	E	60	30		30				3	+		
53	Object-oriented design of information systems / Neural networks	ZO	45	15		30				2	+	+	
54	Professional practice	ZO	480						480	18	+		
55	Designing mobile applications for iOS	E	45	15		30				2	+		
Σ			690	75	30	105	0	0	480	30	30	5	3
SEMESTER VII													
56	Diploma seminar	ZO	30		30					13	+	+	+
57	Software testing	ZO	30	15		15				2	+		
58	Embedded systems	E	45	15		30				5	+		
59	Business applications of mobile technologies / Mobile technologies in computer networks	E	60	30		15	15			5	+	+	
60	Programming of network services	E	45	15			30			5	+	+	
Σ			210	75	30	60	45	0	0	30	30	23	13
TOTAL DURING STUDIES			3336	829	302	1050	195	0	960	210	184	66	22
				24,85%	75,15%						87,62%	31,43%	10,48%