Załącznik nr 2b) do Uchwały Senatu nr 8/CXXI/2022 z dn. 27 września 2022r.

First-cycle studies
Professional title awarded to graduates Licencjat
Field of study: INFORMATION TECHNOLOGY (ENG)
Specialty: Programming
Education profile: Practical
Type of study: Full time

LID-A-P/2022

Students admitted in the academic year: 2022/2023

No.	Course title	ECTS credits Total	Including DP	Including PP	Including DL	Number of hours Total	Including L	Conv	C	Lab	P	eL
	All-University Courses											
1	English language	8	6	0	0	120	0	0	0	120	0	0
2	Proseminar	1	1	0	0	8	0	0	0	8	0	0
3	Foundamentals of Economics	2	1	0	1	25	15	0	10	0	0	0
4	Law	2	1	0	1	25	15	0	10	0	0	0
5	Personal Business Model	1	1	0	0	20	0	0	10	0	10	0
6	Contemporary Information Culture	1	1	0	1	10	10	0	0	0	0	0
7	Health and Safety while studying	0	0	0	0	4	0	4	0	0	0	0
8	Health Education in Lifestyle Diseases	0	0	0	0	14	0	14	0	0	0	0
9	Physical education	0	0	0	0	60	0	0	60	0	0	0
	Basic Courses											
10	Fundamentals of Mathematics	4	2	0	1	34	16	0	18	0	0	0
11	Mathematics	4	2	0	1	34	16	0	18	0	0	0
12	Discrete Mathematics	6	2	0	1	50	20	0	30	0	0	0
13	Fundamentals of Statistics	3	1	0	1	24	10	0	0	14	0	0
14	Introduction to Electronics and Electrical Engineering	4	2	0	1	33	15	0	0	18	0	0
15	Physics	4	1	0	1	30	15	0	0	15	0	0
	Major-Related and Specialty Courses											
16	Algorithms and Data Structures	5	3	3	1	56	28	0	0	28	0	0
17	Introduction to IT	3	2	1	1	28	14	0	0	14	0	0
18	Introduction to Programming	5	3	4	1	54	20	0	0	20	14	0
19	Programming	11	6	7	2	115	40	0	0	40	35	0
20	Software Engineering	5	3	4	1	60	22	0	0	24	14	0
21	Computer System Architecture	5	3	3	1	60	30	0	0	30	0	0
22	Operating Systems	5	3	3	1	50	24	0	0	16	10	0
23	Network Technologies (CCNA)	5	3	3	1	54	20	0	0	20	14	0
24	Social and Occupational Problems of IT	1	1	0	1	25	0	10	0	0	0	15
25	Computer Graphics with HCI Elements	2	2	2	1	30	0	15	0	15	0	0
26	Databases	3	2	2	1	40	20	0	0	20	0	0
27	Artificial Intelligence	4	2	0	1	30	10	0	0	20	0	0
28	Team Project	4	1	4	0	35	0	0	0	0	35	0
29	Elective Course 1	6	3	5	1	52	14	0	0	14	24	0
30	Elective Course 2	6	3	5	1	52	14	0	0	14	24	0
31	Programming languages 1	7	3	7	0	56	0	0	0	32	24	0
32	Programming languages 2	7	3	7	0	56	0	0	0	32	24	0
33	CASE Tools Methodology	7	3	7	0	56	0	0	0	32	24	0
34	Techniques of Software Creations	7	3	7	0	56	0	0	0	32	24	0
35	Diploma Seminar	10	2	10	0	30	0	0	30	0	0	0
36	Vocational Apprenticeship	32	32	32	0	960	0	0	960	0	0	0
	Total: Main block of courses	180	107	116	24	2446	388	43	186	578	276	15

I Year (sem 1, sem 2), II Year (sem 3):

No.	sem 1 L	Conv	C	Lab	P	eL	ECTS	sem 2 L	Conv	C	Lab	P	eL	ECTS	sem 3 L	Conv	C	Lab	P	eL	ECTS
1				60			4				60			4							
2																					
3															15		10				2
4															15		10				2
5																	10		10		1
6	10						1														
7		4					0														
8									14					0							
9										30				0			30				0
10	16		18				4														
11								16		18				4							
12	20		30				6														
13								10			14			3							
14															15			18			4
15								15			15			4							
16								28			28			5							
17	14			14			3														
18	20			20	14		5														
19								20			20	15		5	20			20	20		6
20																					
21																					
22															24			16	10		5
23	20			20	14		5														
24																10				15	1
25																					
26																					
27																					
28																					
29															14			14	24		6
30																					
31																					
32																					
33																					
34																					
35																					
36										120				4							
Total	100	4	48	114	28	0	28	89	14	48	137	15	0	29	103	10	60	68	64	15	27
Number of hours per semester	294							303							320						

II Year (sem 4), III Year (sem 5, sem 6):

No.	sem 4 L	Conv	C	Lab	P	eL	ECTS	sem 5 L	Conv	C	Lab	P	eL	ECTS	sem 6 L	Conv	C	Lab	P	eL	ECTS
1																					
2				8			1														
3–19																					
20	22			24	14		5														
21	30			30			5														
22–24																					
25									15		15			2							
26	20			20			3														
27								10			20			4							
28																			35		4
29																					
30								14			14	24		6							
31				32	24		7														
32											32	24		7							
33											32	24		7							
34																		32	24		7
35										15				5			15				5
36			360				12										480				16
Total	72	0	0	114	38	0	33	24	15	15	113	72	0	31	0	0	15	32	59	0	32
Number of hours per semester	224							239							106						

electives: 30.0%

CISCO Authorised Training
Exam
Classes developing practical skills
project completed with a separate degree
eL Distance Learning
Online Classes

DP Classes involving direct participation of academic teachers or other people conducting the class
PP Classes developing practical skills
DL Distance Learning

No.	Course title	ECTS Total	DP	PP	DL	Hours Total	L	Conv	C	Lab	P	eL	sem 1 Lab	sem 1 ECTS	sem 2 Lab	sem 2 ECTS
	Additional compulsory classes for international students															
	Polish Language	8	2	0	0	60	0	0	0	60	0	0	30	4	30	4

No.	Electives 1 (1 of 2)	offered in semester
1	Web Technologies	3
2	Cybersecurity Essentials	3

No.	Electives 1 (1 of 2)	offered in semester
1	Elements of Automation and Robotics	5
2	Operational Research	5

First-cycle studies
Professional title awarded to graduates Licencjat
Field of study: INFORMATION TECHNOLOGY (ENG)
Specialty: Game Design and Development
Education profile: Practical
Type of study: Full time

Students admitted in the academic year: 2022/2023

LID-A-GDD/2022

No.	Course title	ECTS credits Total	Including DP	Including PP	Including DL	Number of hours Total	L	Conv	C	Lab	P	eL
	All-University Courses											
1	English language	8	6	0	0	120	0	0	0	120	0	0
2	Proseminar	1	1	0	0	8	0	0	0	8	0	0
3	Foundamentals of Economics	2	1	0	1	25	15	0	10	0	0	0
4	Law	2	1	0	1	25	15	0	10	0	0	0
5	Personal Business Model	1	1	0	0	20	0	0	10	0	10	0
6	Contemporary Information Culture	1	1	0	1	10	10	0	0	0	0	0
7	Health and Safety while studying	0	0	0	0	4	0	4	0	0	0	0
8	Health Education in Lifestyle Diseases	0	0	0	0	14	0	14	0	0	0	0
9	Physical education	0	0	0	0	60	0	0	60	0	0	0
	Basic Courses											
10	Fundamentals of Mathematics	4	2	0	1	34	16	0	18	0	0	0
11	Mathematics	4	2	0	1	34	16	0	18	0	0	0
12	Discrete Mathematics	6	2	0	1	50	20	0	30	0	0	0
13	Fundamentals of Statistics	3	1	0	1	24	10	0	0	14	0	0
14	Introduction to Electronics and Electrical Engineering	4	2	0	1	33	15	0	0	18	0	0
15	Physics	4	1	0	1	30	15	0	0	15	0	0
	Major-Related and Specialty Courses											
16	Algorithms and Data Structures	5	3	3	1	56	28	0	0	28	0	0
17	Introduction to IT	3	2	1	1	28	14	0	0	14	0	0
18	Introduction to Programming	5	3	4	1	54	20	0	0	20	14	0
19	Programming	11	6	7	2	115	40	0	0	40	35	0
20	Software Engineering	5	3	4	1	60	22	0	0	24	14	0
21	Computer System Architecture	5	3	3	1	60	30	0	0	30	0	0
22	Operating Systems	5	3	3	1	50	24	0	0	16	10	0
23	Network Technologies (CCNA)	5	3	3	1	54	20	0	0	20	14	0
24	Social and Occupational Problems of IT	1	1	0	1	25	0	10	0	0	0	15
25	Computer Graphics with HCI Elements	2	2	2	1	30	0	15	0	15	0	0
26	Databases	3	2	2	1	40	20	0	0	20	0	0
27	Artificial Intelligence	4	2	0	1	30	10	0	0	20	0	0
28	Team Project	4	1	4	0	35	0	0	0	0	35	0
29	Elective Course 1	6	3	5	1	52	14	0	0	14	24	0
30	Elective Course 2	6	3	5	1	52	14	0	0	14	24	0
31	Preproduction	6	3	6	0	52	0	0	0	32	20	0
32	Game Engines and Programming Technologies	6	3	6	0	52	0	0	0	32	20	0
33	Physics in Games	6	3	6	0	52	0	0	0	32	20	0
34	Marketing and Business Aspects of Games	4	2	4	0	36	0	0	0	22	14	0
35	Creating Graphic Asets	3	2	3	0	28	0	0	0	28	0	0
36	Levels Design	3	2	3	0	28	0	0	0	28	0	0
37	Animation and Motion Capture Techniques	3	2	3	0	28	0	0	0	28	0	0
38	Artificial Intelligence in Games	2	1	2	0	20	0	0	0	20	0	0
39	Diploma Seminar	10	2	10	0	30	0	0	30	0	0	0
40	Vocational Apprenticeship	32	32	32	0	960	0	0	960	0	0	0
	Total: Main block of courses	185	113	121	24	2518	388	43	186	672	254	15

I Year

No.	sem 1 L	Conv	C	Lab	P	eL	ECTS	sem 2 L	Conv	C	Lab	P	eL	ECTS	II Year sem 3 L	Conv	C	Lab	P	eL	ECTS
1				60			4				60			4							
2																					
3															15		10				2
4															15		10				2
5																	10		10		1
6	10						1														
7		4					0														
8									14					0							
9										30				0			30				0
10	16		18				4														
11								16		18				4							
12	20		30				6														
13								10			14			3							
14															15			18			4
15								15			15			4							
16								28			28			5							
17	14			14			3														
18	20			20	14		5														
19								20			20	15		5	20			20	20		6
20																					
21																					
22															24			16	10		5
23	20			20	14		5														
24																10				15	1
25																					
26																					
27																					
28																					
29															14			14	24		6
30																					
31																					
32																					
33																					
34																					
35																		28			3
36																					
37																					
38																					
39																					
40										120				4							
Total	100	4	48	114	28	0	28	89	14	48	137	15	0	29	103	10	60	96	64	15	30
Number of hours per semester	294							303							348						

No.	II Year sem 4 L	Conv	C	Lab	P	eL	ECTS	III Year sem 5 L	Conv	C	Lab	P	eL	ECTS	sem 6 L	Conv	C	Lab	P	eL	ECTS
1																					
2				8			1														
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					
16																					
17																					
18																					
19																					
20	22			24	14		5														
21	30			30			5														
22																					
23																					
24																					
25									15		15			2							
26	20			20			3														
27								10			20			4							
28																			35		4
29																					
30								14			14	24		6							
31				32	20		6														
32											32	20		6							
33											32	20		6							
34																		22	14		4
35																					
36																		28			3
37				28			3														
38																		20			2
39										15				5			15				5
40			360				12										480				16
Total	72	0	0	142	34	0	35	24	15	15	113	64	0	29	0	0	15	70	49	0	34
Number of hours per semester	248							231							134						

electives: 31.9%

DP Classes involving direct participation of academic teachers or other people conducting the class
PP Classes developing practical skills
DL Distance Learning

CISCO Authorised Training
Exam
Classes developing practical skills
project completed with a separate degree
eL Distance Learning
Online Classes

	Additional compulsory classes for international students	ECTS Total	DP	PP	DL	Hours Total	L	Conv	C	Lab	P	eL	sem 1 Lab	sem 1 ECTS	sem 2 Lab	sem 2 ECTS
	Polish Language	8	2	0	0	60	0	0	0	60	0	0	30	4	30	4

No.	Electives 1 (1 of 2)	offered in semester
1	Web Technologies	3
2	Cybersecurity Essentials	3

No.	Electives 1 (1 of 2)	offered in semester
1	Elements of Automation and Robotics	5
2	Operational Research	5

First-cycle studies

Professional title awarded to graduates Licencjat

Field of study: INFORMATION TECHNOLOGY (ENG)

LID-A-CPS/2022

Specialty: Computer Science

Education profile: Practical

Type of study: Full time

Students admitted in the academic year: 2022/2023

No.	Course title	ECTS credits				Number of hours							I Year														II Year														III Year													
		Total	Including			Total	Including						sem 1							sem 2							sem 3							sem 4							sem 5							sem 6						
			DP	PP	DL		L	Conv	C	Lab	P	eL	L	Conv	C	Lab	P	eL	ECTS	L	Conv	C	Lab	P	eL	ECTS	L	Conv	C	Lab	P	eL	ECTS	L	Conv	C	Lab	P	eL	ECTS	L	Conv	C	Lab	P	eL	ECTS	L	Conv	C	Lab	P	eL	ECTS
	All-University Courses																																																					
1	English language	8	6	0	0	120	0	0	0	120	0	0				60			4				60			4																												
2	Proseminar	1	1	0	0	8	0	0	0	8	0	0																									8			1														
3	Foundamentals of Economics	2	1	0	1	25	15	0	10	0	0	0															15		10				2																					
4	Law	2	1	0	1	25	15	0	10	0	0	0															15		10				2																					
5	Personal Business Model	1	1	0	0	20	0	0	10	0	10	0																	10		10		1																					
6	Contemporary Information Culture	1	1	0	1	10	10	0	0	0	0	0	10						1																																			
7	Health and Safety while studying	0	0	0	0	4	0	4	0	0	0	0		4					0																																			
8	Health Education in Lifestyle Diseases	0	0	0	0	14	0	14	0	0	0	0									14					0																												
9	Physical education	0	0	0	0	60	0	0	60	0	0	0										30				0			30				0																					
	Basic Courses																																																					
10	Fundamentals of Mathematics	4	2	0	1	34	16	0	18	0	0	0	16		18				4																																			
11	Mathematics	4	2	0	1	34	16	0	18	0	0	0								16		18				4																												
12	Discrete Mathematics	6	2	0	1	50	20	0	30	0	0	0	20		30				6																																			
13	Fundamentals of Statistics	3	1	0	1	24	10	0	0	14	0	0								10			14			3																												
14	Introduction to Electronics and Electrical Engineering	4	2	0	1	33	15	0	0	18	0	0															15			18			4																					
15	Physics	4	1	0	1	30	15	0	0	15	0	0								15			15			4																												
	Major-Related and Specialty Courses																																																					
16	Algorithms and Data Structures	5	3	3	1	56	28	0	0	28	0	0								28			28			5																												
17	Introduction to IT	3	2	1	1	28	14	0	0	14	0	0	14			14			3																																			
18	Introduction to Programming	5	3	4	1	54	20	0	0	20	14	0	20			20	14		5																																			
19	Programming	11	6	7	2	115	40	0	0	40	35	0								20			20	15		5	20			20	20		6																					
20	Software Engineering	5	3	4	1	60	22	0	0	24	14	0																						22			24	14		5														
21	Computer System Architecture	5	3	3	1	60	30	0	0	30	0	0																						30			30			5														
22	Operating Systems	5	3	3	1	50	24	0	0	16	10	0															24			16	10		5																					
23	Network Technologies (CCNA)	5	3	3	1	54	20	0	0	20	14	0	20			20	14		5																																			
24	Social and Occupational Problems of IT	1	1	0	1	25	0	10	0	0	0	15																10				15	1																					
25	Computer Graphics with HCI Elements	2	2	2	1	30	0	15	0	15	0	0																														15		15			2							
26	Databases	3	2	2	1	40	20	0	0	20	0	0																						20			20			3														
27	Artificial Intelligence	4	2	0	1	30	10	0	0	20	0	0																													10			20			4							
28	Team Project	4	1	4	0	35	0	0	0	0	35	0																																								35		4
29	Elective Course 1	6	3	5	1	52	14	0	0	14	24	0															14			14	24		6																					
30	Elective Course 2	7	3	7	0	56	0	0	0	32	24	0																									32	24		7														
31	Elective Course 3	6	3	5	1	52	14	0	0	14	24	0																													14			14	24		6							
32	Elective Course 4	7	3	7	0	56	0	0	0	32	24	0																																32	24		7							
33	Elective Course 5	7	3	7	0	56	0	0	0	32	24	0																																32	24		7							
34	Elective Course 6	7	3	7	0	56	0	0	0	32	24	0																																							32	24		7
35	Diploma Seminar	10	2	10	0	30	0	0	30	0	0	0																															15				5			15				5
36	Vocational Apprenticeship	32	32	32	0	960	0	0	960	0	0	0										120				4										360				12										480				16
	Total: Main block of courses	180	107	116	24	2446	388	43	186	578	276	15	100	4	48	114	28	0	28	89	14	48	137	15	0	29	103	10	60	68	64	15	27	72	0	0	114	38	0	33	24	15	15	113	72	0	31	0	0	15	32	59	0	32
						Number of hours per semester							294							303							320							224							239							106						

electives: 30.0%

- CISCO Authorised Training
- Exam
- Classes developing practical skills
- project completed with a separate degree
- eL Distance Learning
- Online Classes

DP Classes involving direct participation of academic teachers or other people conducting the class

PP Classes developing practical skills

DL Distance Learning

	Additional compulsory classes for international students	ECTS Total	DP	PP	DL	Total	L	Conv	C	Lab	P	eL	s1 L	s1 Conv	s1 C	s1 Lab	s1 P	s1 eL	s1 ECTS	s2 L	s2 Conv	s2 C	s2 Lab	s2 P	s2 eL	s2 ECTS
	Polish Language	8	2	0	0	60	0	0	0	60	0	0				30			4				30			4

No.	Electives 1 (1 of 2)	offered in semester
1	Web Technologies	3
2	Cybersecurity Essentials	3

No.	Electives 2 (1 of 2)	offered in semester
1	DevNet Technologies	4
2	Programming languages 1	4

No.	Electives 3 (1 of 2)	offered in semester
1	Elements of Automation and Robotics	5
2	Operational Research	5

No.	Electives 4 i 5 (2 of 4)	offered in semester
1	LAN and WLAN Operation	5
2	Internet of Things	5
3	Game Engines and Programming Technologies	5
4	CASE Tools Methodology	5

No.	Electives 4 i 5 (2 of 4)	offered in semester
1	Advanced Network Technologies	6
2	Analytics and Big Data in IoT	6