Załącznik nr 2b) do Zarządzenia Rektora nr 100/2024 z dn. 30.09.2024r.

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

Students admitted in the academic year: 2024/2025

LID-A-P/2024

No.	Course title	Level	ECTS credits Total	ECTS credits Including DP	ECTS credits Including PP	ECTS credits Including DL	Number of hours Total	Number of hours Including L	S	W	Lab	P	eL
	All-University Courses												
1	English Language	-	8	6	0	0	120	0	0	0	120	0	0
2	Digital Safety and Awarness	-	1	1	0	0	10	10	0	0	0	0	0
3	Foundamentals of Economics	-	1	1	0	0	20	0	20	0	0	0	0
4	Law	-	1	1	0	0	20	0	20	0	0	0	0
5	Personal Business Model	-	1	1	0	0	20	0	0	10	0	10	0
6	Protection of Intellectual Property		1	1	0	0	8	8	0	0	0	0	0
7	Academic Writing Skills	-	1	1	0	0	8	0	0	0	8	0	0
8	Health and Safety while Studying	-	0	0	0	0	4	0	4	0	0	0	0
9	Civilization Challenges	-	1	1	0	0	20	20	0	0	0	0	0
10	Physical Education	-	0	0	0	0	60	0	0	60	0	0	0
	Basic Courses												
11	Fundamentals of Mathematics	-	4	2	0	0	34	16	0	18	0	0	0
12	Mathematics	-	4	2	0	0	34	16	0	18	0	0	0
13	Discrete Mathematics	-	6	2	0	0	50	20	0	30	0	0	0
14	Fundamentals of Statistics	-	2	1	0	0	16	0	0	0	16	0	0
15	Introduction to Electronics and Electrical Engineering	3	3	2	0	1	38	0	0	0	18	0	20
16	Physics	-	4	1	0	0	30	15	0	0	15	0	0
	Major-Related and Specialty Courses												
17	Algorithms and Data Structures	4	5	3	3	0	56	28	0	0	28	0	0
18	Introduction to IT	3	3	1	2	0	28	14	0	0	14	0	0
19	Introduction to Programming	3	3	2	2	0	40	20	0	0	20	0	0
20	Programming	4	8	4	6	0	80	40	0	0	40	0	0
21	Software Engineering	5	4	2	2	0	46	22	0	0	24	0	0
22	Computer System Architecture	4	7	3	4	0	60	30	0	0	30	0	0
23	Operating Systems	3	4	2	2	0	40	24	0	0	16	0	0
24	Network Technologies (CCNA)	3	5	3	4	0	60	20	0	0	20	20	0
25	Social and Occupational Problems of IT	-	2	1	0	1	25	0	10	0	0	0	15
26	Computer Graphics with HCI Elements	4	2	1	2	0	30	0	15	0	15	0	0
27	Databases	3	3	2	2	0	40	20	0	0	20	0	0
28	Artificial Intelligence	4	4	1	2	0	30	10	0	0	20	0	0
29	Programming Project	4	6	2	6	0	50	0	0	0	0	50	0
30	Team Project	3	8	3	8	0	65	0	0	0	0	65	0
31	Elective Course 1		6	2	6	0	48	0	0	0	20	28	0
32	Elective Course 2		6	2	6	0	48	0	0	0	20	28	0
33	Programming languages 1	4	7	2	7	0	56	0	0	0	32	24	0
34	Programming languages 2	5	7	2	7	0	56	0	0	0	32	24	0
35	CASE Tools Methodology	4	7	2	7	0	56	0	0	0	32	24	0
36	Techniques of Software Creations	4	4	2	4	2	32	0	0	0	32	0	0
37	Diploma Seminar	-	10	2	8	0	30	0	0	30	0	0	0
38	Vocational Apprenticeship part 1 (3 months)	-	16	16	16	0	480	0	0	480	0	0	0
39	Vocational Apprenticeship part 2 (3 months)	-	16	16	16	0	480	0	0	480	0	0	0
	Total		181	99	122	4	2428	333	69	166	592	273	35
	Number of hours per semester												

No.	I Year sem 1 L	S	W	Lab	P	eL	ECTS	sem 2 L	S	W	Lab	P	eL	ECTS
1				60			4				60			4
2	10						1							
3														
4									20					1
5														
6								8						1
7														
8		4					0							
9														
10										30				0
11	16		18				4							
12								16		18				4
13	20		30				6							
14														
15														
16								15			15			4
17								28			28			5
18	14			14			3							
19	20			20			3							
20								20			20			4
21														
22														
23														
24	20			20	20		5							
25									10				15	2
26														
27														
28														
29														
30														
31														
32														
33														
34														
35														
36														
37														
38														
39														
Total	100	4	48	114	20	0	26	87	30	48	123	0	15	25
Number of hours per semester				286							303			

No.	II Year sem 3 L	S	W	Lab	P	eL	ECTS	sem 4 L	S	W	Lab	P	eL	ECTS
1														
2														
3		20					1							
4														
5			10		10		1							
6														
7											8			1
8														
9								20						1
10			30				0							
11														
12														
13														
14				16			2							
15				18		20	3							
16														
17														
18														
19														
20	20			20			4							
21														
22								30			30			7
23	24			16			4							
24														
25														
26														
27								20			20			3
28														
29					50		6							
30														
31				20	28		6							
32														
33											32	24		7
34														
35														
36														
37														
38											480			16
39														
Total	44	20	40	90	88	20	27	70	0	0	90	24	0	35
Number of hours per semester				302							184			

No.	III Year sem 5 L	S	W	Lab	P	eL	ECTS	sem 6 L	S	W	Lab	P	eL	ECTS
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21	22			24			4							
22														
23														
24														
25														
26		15		15			2							
27														
28	10			20			4							
29														
30												65		8
31														
32				20	28		6							
33														
34				32	24		7							
35				32	24		7							
36												32		4
37			15				5			15				5
38											480			16
39														
Total	32	15	15	143	76	0	35	0	0	15	32	65	0	33
Number of hours per semester				281							112			

electives:	30.4%
ECTS credits to obtain within Humanities/Social Studies	5

CISCO, AWS Authorised Training
Classes developing practical skills
eL Distance Learning
Exam
Project completed with a separate degree
Online Classes
joint assessment with lectures (L) / seminars (S)

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

No.	Electives 1 (1 of 2)	Level	offered in semester
1	Operational Research	3	3
2	Cybersecurity Essentials	3	3

No.	Electives 2 (1 of 2)	Level	offered in semester
1	Introduction to Data Science	3	5
2	Cloud Technologies	3	5

Załącznik nr 2b) do Zarządzenia Rektora nr 100/2024 z dn. 30.09.2024r.

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: 2024/2025

LID-A-GDD/2024

No.	Course title	Level	ECTS credits: Total	ECTS credits: Including DP	PP	DL	Number of hours: Total	Including L	S	W	Lab	P	eL
	All-University Courses												
1	English Language	-	8	6	0	0	120	0	0	0	120	0	0
2	Digital Safety and Awarness	-	1	1	0	0	10	10	0	0	0	0	0
3	Foundamentals of Economics	-	1	1	0	0	20	0	20	0	0	0	0
4	Law	-	1	1	0	0	20	0	20	0	0	0	0
5	Personal Business Model	-	1	1	0	0	20	0	0	10	0	10	0
6	Protection of Intellectual Property		1	1	0	0	8	8	0	0	0	0	0
7	Academic Writing Skills	-	1	1	0	0	8	0	0	0	8	0	0
8	Health and Safety while Studying	-	0	0	0	0	4	0	4	0	0	0	0
9	Civilization Challenges	-	1	1	0	0	20	20	0	0	0	0	0
10	Physical Education	-	0	0	0	0	60	0	0	60	0	0	0
	Basic Courses												
11	Fundamentals of Mathematics	-	4	2	0	0	34	16	0	18	0	0	0
12	Mathematics	-	4	2	0	0	34	16	0	18	0	0	0
13	Discrete Mathematics	-	6	2	0	0	50	20	0	30	0	0	0
14	Fundamentals of Statistics	-	2	1	0	0	16	0	0	0	16	0	0
15	Introduction to Electronics and Electrical Engineering	3	3	2	0	1	38	0	0	0	18	0	20
16	Physics	-	4	1	0	0	30	15	0	0	15	0	0
	Major-Related and Specialty Courses												
17	Algorithms and Data Structures	4	5	3	3	0	56	28	0	0	28	0	0
18	Introduction to IT	3	3	1	2	0	28	14	0	0	14	0	0
19	Introduction to Programming	3	3	2	2	0	40	20	0	0	20	0	0
20	Programming	4	8	4	6	0	80	40	0	0	40	0	0
21	Software Engineering	5	4	2	2	0	46	22	0	0	24	0	0
22	Computer System Architecture	4	7	3	4	0	60	30	0	0	30	0	0
23	Operating Systems	3	4	2	2	0	40	24	0	0	16	0	0
24	Network Technologies (CCNA)	3	5	3	4	0	60	20	0	0	20	20	0
25	Social and Occupational Problems of IT	-	2	1	0	1	25	0	10	0	0	0	15
26	Computer Graphics with HCI Elements	3	2	1	2	0	30	0	15	0	15	0	0
27	Databases	4	3	2	2	0	40	20	0	0	20	0	0
28	Artificial Intelligence	4	4	1	2	0	30	10	0	0	20	0	0
29	Programming Project	4	6	2	6	0	50	0	0	0	0	50	0
30	Team Project	3	8	3	8	0	65	0	0	0	0	65	0
31	Elective Course 1		6	2	6	0	48	0	0	0	20	28	0
32	Elective Course 2		6	2	6	0	48	0	0	0	20	28	0
33	Preproduction	4	5	2	5	0	52	0	0	0	32	20	0
34	Game Engines and Programming Technologies	4	5	2	5	0	56	0	0	0	32	24	0
35	Physics in Games	4	4	2	4	0	32	0	0	0	32	0	0
36	Marketing and Business Aspects of Games	4	2	1	2	1	22	0	0	0	22	0	0
37	Creating Graphic Asets	4	3	1	3	0	28	0	0	0	28	0	0
38	Levels Design	4	3	1	3	0	24	0	0	0	24	0	0
39	Animation and Motion Capture Techniques	4	3	1	3	0	28	0	0	0	28	0	0
40	Artificial Intelligence in Games	4	2	1	2	0	20	0	0	0	20	0	0
41	Diploma Seminar	-	10	2	8	0	30	0	0	30	0	0	0
42	Vocational Apprenticeship part 1 (3 months)	-	16	16	16	0	480	0	0	480	0	0	0
43	Vocational Apprenticeship part 2 (3 months)	-	16	16	16	0	480	0	0	480	0	0	0
	Total		183	102	124	3	2490	333	69	166	682	245	35
	Number of hours per semester												

No.	I Year sem 1 L	S	W	Lab	P	eL	ECTS	sem 2 L	S	W	Lab	P	eL	ECTS
1				60			4				60			4
2	10						1							
3														
4									20					1
5														
6								8						1
7														
8		4					0							
9														
10										30				0
11	16		18				4							
12								16		18				4
13	20		30				6							
14														
15														
16								15			15			4
17								28			28			5
18	14			14			3							
19	20			20			3							
20								20			20			4
21														
22														
23														
24	20			20	20		5							
25									10				15	2
26														
27														
28														
29														
30														
31														
32														
33														
34														
35														
36														
37														
38														
39														
40														
41														
42														
43														
Total	100	4	48	114	20	0	26	87	30	48	123	0	15	25
Number of hours per semester	286							303						

No.	II Year sem 3 L	S	W	Lab	P	eL	ECTS	sem 4 L	S	W	Lab	P	eL	ECTS
1														
2														
3		20					1							
4														
5			10		10		1							
6														
7											8			1
8														
9								20						
10			30				0							
11														
12														
13														
14				16			2							
15				18		20	3							
16														
17														
18														
19														
20	20			20			4							
21														
22								30			30			7
23	24			16			4							
24														
25														
26														
27								20			20			3
28														
29					50		6							
30														
31				20	28		6							
32														
33														
34											32	24		5
35														
36														
37				28			3							
38														
39											28			3
40														
41														
42														
43														
Total	44	20	40	118	88	20	30	70	0	0	118	24	0	36
Number of hours per semester	330							212						

No.	III Year sem 5 L	S	W	Lab	P	eL	ECTS	sem 6 L	S	W	Lab	P	eL	ECTS
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21	22			24			4							
22														
23														
24														
25														
26		15		15			2							
27														
28	10			20			4							
29														
30												65		8
31														
32				20	28		6							
33				32	20		5							
34														
35				32			4							
36											22			2
37														
38											24			3
39														
40											20			2
41			15				5			15				5
42														
43										480				16
Total	32	15	15	143	48	0	30	0	0	15	66	65	0	36
Number of hours per semester	253							146						

electives:	31.1%
ECTS credits to obtain within Humanities/Social Studies	5

CISCO, AWS Authorised Training
Classes developing practical skills
eL Distance Learning
Exam
Project completed with a separate degree
Online Classes
joint assessment with lectures (L) / seminars (S)

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

No.	Electives 1 (1 of 2)	Level	offered in semester
1	Operational Research	3	3
2	Cybersecurity Essentials	3	3

No.	Electives 2 (1 of 2)	Level	offered in semester
1	Introduction to Data Science	3	5
2	Cloud Technologies	3	5

Załącznik nr 2b) do Zarządzenia Rektora nr 100/2024 z dn. 30.09.2024r.

first-cycle studies
professional title awarded to graduates: licencjat
field of study: INFORMATION TECHNOLOGY (ENG)
specialty: Computer Science
education profile: practical
type of study: full-time

LID-A-CPS/2024

Students admitted in the academic year: 2024/2025

| No. | Course title | Level | ECTS credits | | | | Number of hours | | | | | | | I Year | | | | | | | | | | | | | | | | | | II Year | | | | | | | | | | | | | | | | | |