

UID-A/2022

Second-cycle studies

Professional title awarded to graduates

Magister

Field of study:

INFORMATION TECHNOLOGY (ENG)

Education profile:

Practical

Type of study:

Full time

Students admitted in the academic year: 2022/23

L.p.	Course title	ECTS Credits				Number of hours											I Year																II Year																									
		Total	Including			Total	Including						sem 1					sem 2						sem 3						sem 4																												
			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																		
All-University Courses																																																										
1	English Language	8	6	0	0	120	0	0	0	120	0	0				60								4							60																											
2	Health and Safety while studying	0	0	0	0	4	0	4	0	0	0	0												4																																		
3	Research Methodology	3	2	0	1	34	14	0	0	0	20	0	14					20					3																																			
4	Team Management	1	1	0	1	10	0	0	0	0	0	10																																														
5	Sociology	1	1	0	1	20	0	0	0	0	0	20																																														
Major-Related Courses																																																										
6	Computational Intelligence	4	2	0	1	52	14	0	0	14	24	0	14			14	24																																									
7	Monographic Lecture	3	1	0	2	30	20	0	0	0	10	0																																														
8	Business Analysis	2	1	1	1	26	12	0	0	14	0	0																																														
9	Computational methods in science and technology	4	3	3	1	56	16	0	0	20	20	0	16			20	20																																									
10	IT Systems Engineering	4	2	3	1	50	14	0	0	18	18	0	14			18	18																																									
11	E-services Infrastructure	1	1	0	1	16	16	0	0	0	0	0																																														
12	Team Project	4	2	4	0	40	0	0	0	0	40	0																																														
13	Elective Course 1	1	1	0	1	14	14	0	0	0	0	0																																														
14	Elective Course 2	1	1	0	1	14	14	0	0	0	0	0																																														
15	Diploma Seminar	20	4	20	0	30	0	0	30	0	0																																															
16	Vocational Apprenticeship	16	16	16	0	480	0	0	480	0	0																																															
Total		73	44	47	12	996	134	4	30	186	132	30	58	4	0	112	82	0	19	38	0	0	74	0	30	18	24	0	15	0	50	0	17	14	0	15	0	0	0	0	0	0						19										
		Number of hours per semester										256					142						89						29																													

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

Classes developing practical skills
 exam
 project completed with a separate degree
 eL Distance Learning
 Vocational Apprenticeship in Cisco partners
 Online Classes

Additional compulsory classes for international students																																																		
Polish Language		8	2	0	0	60	0	0	0	60	0	0				30																																		

No.	Electives 1 (1 of 2)	Offered in semester
1	Designing Multimedia Interfaces	3
2	Big data - philosophy and applications in business	3

No.	Electives 1 (1 of 2)	Offered in semester
1	Business Process Modelling, Analysis and Reengineering	4
2	Data security in IT systems	4

Second-cycle studies

UID-A/2022/CS

Professional title awarded to graduates Magister

Field of study: INFORMATION TECHNOLOGY (ENG)

Education profile: Practical

Specialty: CYBERSECURITY

L.p.	Course title	ECTS Credits				Number of hours							I Year										II Year																					
		Total	Including			Total	Including						sem 1					sem 2					sem 3					sem 4																
			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											
Specialty Courses																																												
1	Introduction to Network Technologies	3	1	3	0	30	0	0	0	30	0	0																																
2	Cybersecurity Essentials	2	1	1	0	24	0	0	0	24	0	0																																
3	Monitoring and Detecting Security Threats	4	2	4	0	50	0	0	0	30	20	0															30	20																
4	Network Security	5	2	5	0	54	0	0	0	34	20	0																						34	20									
5	Advanced Network Technologies	4	2	4	0	50	0	0	0	30	20	0															30	20																
6	Social and Law Issues of Security	2	1	2	0	18	0	0	18	0	0	0																						18										
7	Security Polices	2	2	2	1	36	12	0	0	0	24	0																																
Total specialty		22	11	21	1	262	12	0	18	148	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	0	0	5	0	0	0	60	40	0	8	12	0	18	34	44	0	9
Total		95	55	68	13	1258	146	4	48	334	216	30	58	4	0	112	82	0	19	38	0	0	114	20	30	23	24	0	15	60	90	0	25	26	0	33	34	44	0	28				
						Number of hours per semester							256					196					189					137																

electives: 46%

Specialty: Data Science

UID-A/2022/DS

L.p.	Course title	ECTS Credits				Number of hours							I Year										II Year																					
		Total	Including			Total	Including						sem 1					sem 2					sem 3					sem 4																
			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											
Specialty Courses																																												
1	Programming Languages for Data Science	5	3	5	0	60	0	0	0	40	20	0																																
2	Machine Learning and Data Mining	4	3	4	0	60	0	0	0	40	20	0																																
3	Data Visualisation	4	3	4	0	60	0	0	0	40	20	0																																
4	Data Bases for Big Data	5	3	4	1	60	10	0	0	30	20	0																																
5	Cloud Solutions for Data Science	4	2	4	0	45	0	0	0	20	25	0																																
Total specialty		22	14	21	1	285	10	0	0	170	105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	20	0	5	0	0	0	80	40	0	8	10	0	0	50	45	0	9
Total		95	58	68	13	1281	144	4	30	356	237	30	58	4	0	112	82	0	19	38	0	0	114	20	30	23	24	0	15	80	90	0	25	24	0	15	50	45	0	28				
						Number of hours per semester							256					202					209					134																

electives: 46%