

Full-time first-cycle study plan					
Major: Information Technology					
A. Mandatory interdirectional modules					
LP.	name of the module / class	form of credit	term	ECTS	number of hours of classes
					amount
1	Introduction to Study	Z	1	1	5
	Safety		1		
	Library		1		
2	Integration week	Z	1	1	25
	Integration week		1		
3	Language module I	O	2	5	50
	Foreign language		2		
	Foreign language e-learning		2		
4	Language module II	O	3	5	50
	Foreign language		3		
	Foreign language e-learning		3		
5	Language module III	E	4	5	50
	Foreign language		4		
	Foreign language e-learning		4		
6	Tutoring I	Z	1	1	21
	Group tutoring		1		
	Individual tutoring		1		
8	Tutoring II	Z	2	1	20
	Group tutoring		2		
	Individual tutoring		2		
11	Competences of the future 1 (Creativity and Team Cooperation)	O	1	5	50
	Introduction to Creativity		1		
	Creative workshop		1		
12	Competences of the future 2 (Entrepreneurship, Job Mobility, Flexibility)	O	2	5	50
	Contemporary environment for the development of entrepreneurship (finance, elements of law and the basics of entrepreneurship)		2		
	Entrepreneurship workshops - case study		2		
13	Competences of the future 3 (Critical Thinking, Organization of Own Work, Dealing with Stress)	O	2	5	50
	Man in a multicultural world (PBL, philosophy, logic, artificial intelligence)		2		
	PBL in Practice - solving real problems		2		
number of teaching hours				34	431

Full-time first-cycle study plan
Major: Information Technology
B. Mandatory directional modules

LP.	name of the module / class	form of credit	term	ECTS	number of hours of classes
					amount
1	Algorithms and Data Structures	O	1	5	50
	Algorithms and Data Structures - lecture		1		
	Algorithms and Data Structures - laboratory		1		
2	Discrete Mathematics	O	1	5	50
	Logic and Set Theory		1		
	Probability		1		
3	Introduction to ICT	O	1	5	50
	Mathematical basics of ICT		1		
	Introduction to ICT - lecture		1		
	Introduction to ICT - laboratory		1		
4	Introduction to Programming	O	1	5	50
	Mathematical Basics of Programming		1		
	Introduction to Programming - lecture		1		
	Introduction to Programming - laboratory		1		
5	Artificial Intelligence	O	2	5	50
	Artificial Intelligence lecture		2		
	Artificial Intelligence laboratory		2		
6	Creating Games	O	2	5	50
	Game Art		2		
	Designing and Programming Games		2		
7	Operating Systems	O	2	5	50
	Operating Systems - lecture		2		
	Operating Systems - laboratory		2		
8	Computer Networks	O	3	5	50
	Computer Networks - lecture		3		
	Computer Networks - laboratory		3		
9	Databases	O	3	5	50
	Database Systems - lecture		3		
	Database Systems - laboratory		3		
10	Object-Oriented Programming	O	3	5	50
	Object-Oriented Programming - lecture		3		
	Object-Oriented Programming - laboratory		3		
11	Internet Technologies	O	4	5	50
	Internet Technologies		4		
	UI/UX of Web Applications		4		
12	Introduction to Embedded Systems	O	4	5	50
	Introduction to Electronics		4		
	Programmable Logic Devices		4		
13	Security Foundations	O	4	5	50
	Number Theory in Security		4		
	Security Foundations - lecture		4		
	Security Foundations - laboratory		4		

14	Computer Architecture	O	5	5	50
	Computer Architecture		5		
	Computer Architecture and Distributed Processing		5		
15	IoT and Cloud Computing	O	5	5	50
	Systemy i platformy zarządzania treścią		5		
	Systemy zarządzania treścią portali internetowych		5		
16	Software Engineering	O	5	5	50
	Software Engineering - lecture		5		
	Software Engineering - laboratory		5		
17	Big Data	O	6	5	50
	Big Data - lecture		6		
	Big Data - laboratory		6		
18	Diploma Team Project 1	O	6	5	50
	Diploma Seminar 1		6		
	Diploma Team Project 1		6		
19	Industry 4.0 & 5.0	O	6	5	50
	Industry 4.0 & 5.0 - lecture		6		
	Industry 4.0 & 5.0 - laboratory		6		
20	Diploma Team Project 2	O	7	5	50
	Diploma Seminar 2		7		
	Diploma Team Project 2		7		
number of teaching hours				100	1000

Plan of full-time first-cycle studies					
Direction Information Technology					
C. Interdirectional modules to choose from					

LP.	name of the module / class	form of credit	term	ECTS	number of hours of classes	
					amount	
1	Selectable interdirectional module 1	O	3	5	50	
2	Selectable interdirectional module 2	O	3	5	50	
3	Selectable interdirectional module 3	O	4	5	50	
4	Selectable interdirectional module 4	O	4	5	50	
5	Selectable interdirectional module 5	O	4	5	50	
6	Selectable interdirectional module 6	O	5	5	50	
7	Selectable interdirectional module 7	O	5	5	50	
8	Selectable interdirectional module 8	O	5	5	50	
9	Selectable interdirectional module 9	O	6	5	50	
10	Selectable interdirectional module 10	O	6	5	50	
11	Selectable interdirectional module 11	O	6	5	50	
12	Selectable interdirectional module 12	O	7	5	50	
number of teaching hours					60	600

Plan of full-time first-cycle studies					
Direction Information Technology					
D. Apprenticeship					

LP.	name of the module / class	form of credit	term	ECTS	number of hours of classes	
					amount	
	Introduction to Internships	Z	3	1	16	
	Meeting with Internship Coordinator					
	Introduction to Internships					
	Practical skills and professional competences I	Z	3	1	10	
	Practical skills and professional competences I					
	Practical skills and professional competences II	Z	4	1	10	
	Practical skills and professional competences II					
	Practical skills and professional competences III	Z	5	1	5	
	Practical skills and professional competences III					
	Practical simulations to prepare for the profession	Z	5	5	50	
	Portfolio and basics of practical simulations					
	Internships	Z	6	21	700	
	Internships					
number of teaching hours					30	791
number of hours in the field of study					224	2822

Legenda:

- Z - credit
- E - exam
- O - credit with a grade