

Faculty of Applied Information Technology  
 field of study:  
 level:  
 professional title awarded to graduates:  
 education profile:  
 type of study:

INFORMATION TECHNOLOGY (ENG)  
 second-cycle studies  
 magister  
 practical  
 full-time



UNIVERSITY of INFORMATION  
 TECHNOLOGY and MANAGEMENT  
 in Rzeszow, POLAND

UID-A-CS/2024-L

Students admitted in the academic year: 2024/2025

No.	Course title	Form of credit	Level	ECTS Credits	Total	Number of hours														I Year														II Year														
						Including														sem 1							sem 2							sem 3							sem 4							
						L	S	W	Lab	P	eL	L	S	W	Lab	P	eL	ECTS	L	S	W	Lab	P	eL	ECTS	L	S	W	Lab	P	eL	ECTS	L	S	W	Lab	P	eL	ECTS									
<b>All-University Courses</b>																																																
1	English Language	GC, Ex	-	8	120	0	0	0	120	0	0				60							4							60							4												
2	Sociology	C	-	1	20	0	0	0	0	0	20																																					
3	Research Methodology	GC, Ex	-	3	38	0	0	0	16	22	0				16	22							3																									
4	Team Management	C	-	1	10	0	0	10	0	0	0																			10																		
5	Health and Safety while Studying	C	-	0	4	0	4	0	0	0	0						4						0																									
<b>Major-Related Courses</b>																																																
6	Data Security in IT Systems	Ex, GC	5	2	24	12	0	0	12	0	0												12						12							2												
7	Monographic Lecture	Ex	4	2	24	24	0	0	0	0	0												12												1	12												
8	Computational Methods in Science and Technology	Ex, GC	4	3	32	14	0	0	18	0	0	14				18							3																									
9	Scripting Language	GC	4	4	53	0	0	0	18	35	0					18	35						4																									
10	Introduction to Cloud Technologies	GC	4	1	18	0	0	0	18	0	0																		18																			
11	Team Project	GC	3	5	45	0	0	0	0	45	0																			45																		
12	Elective Course 1	Ex, GC		2	28	10	0	0	18	0	0												10						18																			
13	Elective Course 2	Ex, GC		2	28	10	0	0	18	0	0																																					
14	Elective Course 3	Ex, GC		2	26	12	0	0	14	0	0												12						14																			
15	Diploma Seminar	GC	-	20	30	0	0	0	30	0	0																																					
16	Vocational Apprenticeship part 1 (1,5 months)	GC	-	8	240	0	0	240	0	0	0					240							8																									
17	Vocational Apprenticeship part 2 (1,5 months)	GC	-	8	240	0	0	240	0	0	0																																					
				Total	72	980	82	14	30	252	102	20	14	4	0	112	57	0	22	46	10	0	122	45	20	19	22	0	15	18	0	0	8	21	0	0	15	0	0	0	0	0	10					
						Number of hours per semester excluding Vocational Apprenticeship						187						243						55						15																		

**LEGEND:**

C Credit  
 GC Graded Credit  
 Ex Exam - applies to L/S type of classes and the course English Language (exam in the 2nd semester)  
 L Lecture  
 S Seminar  
 W Workshops  
 Lab Laboratory / Foreign Language Workshops  
 P Project  
 eL e-learning (Distance Learning)  
 DP Classes involving direct participation of academic teachers or other people conducting the class  
 PP Classes developing practical skills  
 DL Distance Learning

**MARKINGS:**

CISCO, AWS Authorised Training  
 Exam  
 Project completed with a separate degree  
 Online Classes  
 Classes developing practical skills

**Elective Courses:**

No.	Electives 1 (1 of 3)	Level	offered in semester
1	Process Automation	6	2
2	Big Data Analytics	5	2
3	Analitka Big Data	6	2

No.	Electives 3 (1 of 2)	Level	offered in semester
1	Computational Intelligence	5	2
2	Business Analysis	3	2

No.	Electives 2 (1 of 2)	Level	offered in semester
1	Cloud Management	5	3
2	Penetration Tests	6	3

Specialty:

Cybersecurity

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No.	Course title	Form of credit	Level	ECTS Credits	Number of hours																I Year																II Year															
					Total	Including								sem 1								sem 2								sem 3								sem 4														
						L	S	W	Lab	P	eL	L	S	W	Lab	P	eL	ECTS	L	S	W	Lab	P	eL	ECTS	L	S	W	Lab	P	eL	ECTS	L	S	W	Lab	P	eL	ECTS													
Specialty Courses																																																				
1	Specialization Project	GC	4	5	45	0	0	0	0	45	0																												45	5												
2	Introduction to Network Technologies	GC	3	4	54	0	0	0	24	30	0				24	30	4																																			
3	Cybersecurity Essentials	GC	4	2	20	0	0	0	20	0	0									20		2																														
4	Monitoring and Detecting Security Threats	GC	4	2	24	0	0	0	24	0	0																24										2															
5	Network Security	GC	6	3	26	0	0	0	26	0	0																											26	3													
6	Advanced Network Technologies	GC	5	3	26	0	0	0	26	0	0																										26	3														
7	Security Polices	Ex	5	2	20	0	20	0	0	0	0																										20	2														
Total specialty				21	215	0	20	0	120	75	0	0	0	0	24	30	0	4	0	0	0	20	0	0	2	0	0	0	24	0	0	2	0	20	0	52	45	0	13													
Total				93	1195	82	34	30	372	177	20	14	4	0	136	87	0	26	46	10	0	142	45	20	21	22	0	15	42	0	0	23	0	20	15	52	45	0	23													
Number of hours per semester excluding Vocational Apprenticeship												241				263				79				132																												
% ECTS electives				33%																																																
ECTS credits to obtain within humanities or social sciences				5																																																