Faculty of Applied Information Technology
field of study: INFORMATION TECHNOLOGY (ENG)
specialty: Cloud Computing and DevOps
level: first-cycle studies
professional title awarded to graduates: licencjat
education profile: practical
type of study: full-time

UNIVERSITY of INFORMATION TECHNOLOGY and MANAGEMENT in Rzeszow, POLAND

IN.LSA.CCD.2026_Z

Students admitted in the academic year: 2026/2027

No.	Course title	Form of credit	Level	ECTS	ECTS PP	Number of hours: Total	including: L	S	W	Lab	P	eL
	All-University Courses											
1	English for Specific Purposes	GC, Ex	-	8	0	120	0	0	0	120	0	0
2	Digital Safety and Awarness	C	-	1	0	10	10	0	0	0	0	0
3	Fundamentals of Economics	C	-	1	0	20	0	20	0	0	0	0
4	Personal Business Model	C	-	1	0	20	0	0	10	0	10	0
5	Protection of Intellectual Property	C		1	0	8	8	0	0	0	0	0
6	Academic Writing Skills	C	-	1	0	8	0	0	0	8	0	0
7	Health and Safety while Studying	C	-	0	0	4	4	0	0	0	0	0
8	Civilization Challenges	C	-	1	0	20	20	0	0	0	0	0
9	Physical Education	C	-	0	0	60	0	0	60	0	0	0
	Basic Courses											
10	Fundamentals of Mathematics with Elements of Linear Algebra	Ex	-	5	0	44	20	0	24	0	0	0
11	Discrete Mathematics	Ex	-	6	0	52	22	0	30	0	0	0
12	Mathematical Analysis	Ex	-	4	0	32	16	0	16	0	0	0
13	Fundamentals of Statistics	GC	-	2	0	16	0	0	0	16	0	0
14	Introduction to Electronics and Electrical Engineering	GC	3	3	0	38	0	0	0	18	0	20
15	Physics	Ex	-	4	0	30	16	0	0	14	0	0
16	Law	Ex	-	1	0	20	0	20	0	0	0	0
	Major-Related and Specialty Courses											
17	Algorithms and Data Structures	Ex	4	5	3	50	26	0	0	24	0	0
18	Introduction to IT	Ex	3	3	2	28	14	0	0	14	0	0
19	Introduction to Programming	Ex	3	4	3	46	20	0	0	26	0	0
20	Programming	Ex	4	4	3	42	0	22	0	20	0	0
21	Object-Oriented Programming	Ex	4	4	3	40	0	20	0	20	0	0
22	Software Engineering	Ex	5	4	2	46	22	0	0	24	0	0
23	Computer System Architecture	Ex	4	5	3	54	26	0	0	28	0	0
24	Operating Systems	Ex	3	4	2	40	24	0	0	16	0	0
25	Network Technologies (CCNA)	Ex	3	7	4	62	22	0	0	20	20	0
26	Social and Occupational Problems of IT	Ex	-	2	0	27	0	12	0	0	0	15
27	Computer Graphics	Ex	-	2	1	30	0	16	0	14	0	0
28	Databases	Ex	3	4	2	40	20	0	0	20	0	0
29	Introduction to Artificial Intelligence	Ex	4	3	2	32	12	0	0	20	0	0
30	Programming Project	GC	4	5	5	50	0	0	0	0	50	0
31	Human-Computer Communication	GC	4	3	0	30	0	0	0	0	20	10
32	Cybersecurity Essentials	GC	3	4	4	40	0	0	0	20	20	0
33	Fundamentals of Cloud Technologies	GC	4	4	4	42	0	0	0	22	20	0
34	Cloud Programming Languages 1	GC	4	4	4	44	0	0	0	24	20	0
35	Cloud Programming Languages 2	GC	5	4	4	44	0	0	0	24	20	0
36	DevOps and Infrastructure and Deployment Automation	GC	5	4	4	44	0	0	0	24	20	0
37	Advanced Cloud Architecture	GC	6	4	4	44	0	0	0	24	20	0
38	Cloud Security	Ex	6	2	2	28	12	0	0	16	0	0
39	Cloud Software Engineering Technologies	GC	5	7	7	66	0	0	0	26	40	0
40	Team Project	GC	3	4	4	40	0	0	0	0	40	0
41	Diploma Seminar	GC	-	10	8	60	0	0	60	0	0	0
42	Vocational Apprenticeship part 1 (3 months)	GC	-	18	18	480	0	0	480	0	0	0
43	Vocational Apprenticeship part 2 (3 months)	GC	-	18	18	480	0	0	480	0	0	0
			Total	181	116	2531	314	110	200	602	300	45

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														
5								8						1
6														
7	4						0							
8														
9										30				0
10	20		24				5							
11								22		30				6
12								16		16				4
13														
14														
15								16			14			4
16									20					1
17								26			24			5
18	14			14			3							
19	20			26			4							
20									22		20			4
21														
22														
23														
24														
25	22			20	20		7							
26		12				15	2							
27								16			14			2
28														
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41														
42														
43														
	90	12	24	120	20	15	26	88	58	76	132	0	0	31

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			10		10		1							
5														
6											8			1
7														
8														
9			30				0							
10														
11														
12														
13				16			2							
14				18		20	3							
15														
16														
17														
18														
19														
20														
21		20		20			4							
22														
23								26			28			5
24	24			16			4							
25														
26														
27														
28	20			20			4							
29								12			20			3
30					50		5							
31														
32				20	20		4							
33				22	20		4							
34											24	20		4
35														
36											24	20		4
37														
38														
39														
40														
41														
42											480			18
43														
	44	40	40	132	100	20	32	58	0	0	104	40	0	36

No.	III Year: sem 5 L	S	W	Lab	P	eL	ECTS	sem 6 L	S	W	Lab	P	eL	ECTS
1														
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28														
29														
30														
31											20	10		3
32														
33														
34														
35				24	20		4							
36														
37				24	20		4							
38								12			16			2
39				26	40		7							
40					40		4							
41			30				5				30			5
42														
43											480			18
	0	0	30	74	120	0	24	34	0	30	40	20	10	32

Number of hours per semester excluding Vocational Apprenticeship: 281 | 354 | 376 | 202 | 224 | 134

ECTS obtained through elective courses	38	21%
ECTS obtained through courses in the humanities or social sciences	5	
classes involving direct participation of academic staff or other instructors		
number of classes	2428	
ECTS	97	54%
ECTS credits awarded for practical skills-oriented courses	116	64%

LEGEND:
- C Credit
- GC Graded Credit
- Ex Exam
- L Lecture
- S Seminar
- W Workshops
- Lab Laboratory / Foreign Language Workshops
- P Project
- eL e-learning (Distance Learning)

MARKINGS:
- CISCO, AWS Authorised Training
- Exam
- Project conducted according to the Project-Based Learning model
- Classes developing practical skills