



UNIVERSITY of INFORMATION TECHNOLOGY and MANAGEMENT in Rzeszow, POLAND

First-cycle studies

Professional title awarded to graduates: licencjat

Field of study: **INFORMATION TECHNOLOGY**

Specialty: **COMPUTER SCIENCE**

study in English

Education profile: **Practical**

Students admitted in the academic year **2024/2025**

Type of study:

- **Full time**

List of courses to complete within the course of studies:

No.	Course title
All-University Courses	
1	English Language
2	Digital Safety and Awareness
3	Foundamentals of Economics
4	Law
5	Personal Business Model
6	Protection of Intellectual Property
7	Academic Writing Skills
8	Health and Safety while Studying
9	Civilization Challenges
10	Physical Education
Basic Courses	
11	Fundamentals of Mathematics
12	Mathematics
13	Discrete Mathematics
14	Fundamentals of Statistics
15	Introduction to Electronics and Electrical Engineering
16	Physics
Major-Related and Specialty Courses	
17	Algorithms and Data Structures
18	Introduction to IT
19	Introduction to Programming
20	Programming
21	Software Engineering
22	Computer System Architecture
23	Operating Systems
24	Network Technologies (CCNA)



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25	Social and Occupational Problems of IT
26	Computer Graphics with HCI Elements
27	Databases
28	Artificial Intelligence
29	Programming Project
30	Team Project
31	Elective Course 1
32	Elective Course 2
33	Elective Course 3
34	Elective Course 4
35	Elective Course 5
36	Elective Course 6
37	Diploma Seminar
38	Vocational Apprenticeship part 1 (3 months)
39	Vocational Apprenticeship part 2 (3 months)
40	Polish as a Foreign Language (additional compulsory classes for international students)

No.	Electives 1 (1 of 2)
1	Operational Research
2	Cybersecurity Essentials

No.	Electives 2 (1 of 2)
1	DevNet Technologies
2	Programming Languages 1

No.	Electives 3 (1 of 2)
1	Introduction to Data Science
2	Cloud Technologies

No.	Electives 4, 5 (2 of 4)
1	LAN and WLAN Operation
2	Internet of Things
3	Game Engines and Programming Technologies
4	CASE Tools Methodology

No.	Electives 6 (1 of 2)
1	Advanced Network Technologies
2	Analytics and Big Data in IoT