



# UNIVERSITY of INFORMATION TECHNOLOGY and MANAGEMENT in Rzeszow, POLAND

## First-cycle studies

Professional title awarded to graduates: licencjat

Field of study: **INFORMATION TECHNOLOGY**

Specialty: **PROGRAMMING**

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
<b>All-University Courses</b>	
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
<b>Basic Courses</b>	
11	Fundamentals of Mathematics
12	Mathematics
13	Discrete Mathematics
14	Fundamentals of Statistics
15	Introduction to Electronics and Electrical Engineering
16	Physics
<b>Major-Related and Specialty Courses</b>	
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	Programming languages 1
34	Programming languages 2
35	CASE Tools Methodology
36	Techniques of Software Creations
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.	<b>Electives 1 (1 of 2)</b>
1	Operational Research
2	Cybersecurity Essentials

No.	<b>Electives 2 (1 of 2)</b>
1	Introduction to Data Science
2	Cloud Technologies