



# UNIVERSITY of INFORMATION TECHNOLOGY and MANAGEMENT in Rzeszow, POLAND

## First-cycle studies

Professional title awarded to graduates: **licencjat**

## Field of study: **BIOMEDICAL SCIENCES** study in English

Education profile: **General academic**

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	Social Studies - Elective
3	Humanities - Elective
4	Digital Safety and Awareness
5	Personal Business Model
6	Information Technology
7	Protection of Intellectual Property
8	Academic Writing Skills
9	Health and Safety while Studying
10	Civilization Challenges
11	Physical Education
<b>Basic Courses</b>	
12	Anatomy with Elements of Histology
13	Physiology
14	First Aid
15	Genetics
16	Inorganic Chemistry
17	Organic Chemistry
18	Basic of Pharmacology
19	Basic of Toxicology
20	Biochemistry with Biophysics
21	Cell Biology
22	Molecular Biology
23	Biostatistics and Big Data
24	Law in Biomedicine
25	Ethics of Biomedical Research and Trials



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<b>Major-Related Courses</b>	
26	Introduction to Medicine
27	General Pathology
28	Pathophysiology
29	Diagnostics and Treatment of Diseases
30	Microbiology
31	Basic of Embryology and Reproductive Biology
32	Introduction to Clinical Trials
33	Basic of Immunology
34	Laboratory Diagnostics
35	Equipment in Medical Diagnostics and Therapy
36	Modern Directions of Biomedical Research
37	Research Paper Writing
38	Diploma Seminar

No.	<b>Social Studies - Elective</b>
1	Intercultural Communication
2	Sociology

No.	<b>Humanities - Elective</b>
1	Ethics
2	Philosophy

## **Specialty: Monitoring and Coordination of Clinical Trials**

No.	<b>Specialty Courses</b>
1	Monitoring and Coordination of Clinical Trials
2	Documentation in Clinical Trials
3	Clinical Trial Management
4	Legal Aspects of Conducting Clinical Trials
5	Ethical Aspects of Conducting Clinical Trials
6	Electronic Systems and Data Management in Clinical Trials
7	Audit in Clinical Trials

## **Specialty: Experimental Biomedicine**

No.	<b>Specialty Courses</b>
1	Cell and Tissue Culture
2	Model Organisms in Pre-clinical Trials
3	Cancer Cell Biology
4	Molecular Diagnostics
5	Regenerative Medicine with Elements of Biology of Aging
6	Pharmaceutical and Cosmetological Biotechnology
7	Medical Nanotechnology