

Biomedical Science (BSc) degree that is an interface between science and medicine

Interested in professional career in clinical trials? Wan to work in scientific and research labs?

6 reasons to study Biomedical Science

- Make a meaningful contribution to human health. Biomedical scientists can make a real difference in the world.
- Skills learned are highly transferable and many industries are looking for professionals in this field.
- Clinical Trials are conducted on the global scale, your new workplace could be anywhere in the world.
- During the studies you will earn International Certificate "Good Clinical Practice"
- Study in the international and diverse academic community.
- Competitive salary and good employment prospects in many fields.



NAME OF THE PROGRAMME: BACHELOR OF BIOMEDICAL SCIENCES

MAJOR: Biomedical Sciences

DURATION: 3 years (6 semesters)

LANGUAGE OF INSTRUCTION: English

STUDY MODES: Full-time

WINTER INTAKE: January 8th 2024 and will last until 16th September 2024

SEMESTER STARTS: October 2024

TUITION FEE: 4950 EUR

THE APPLICATION FEE: (non-refundable, including postage of the original documents) 200 EUR

STUDY PROGRAMME

Biomedicine studies allow you to gain in-depth knowledge of anatomy, physiology, and biological and chemical processes that occur in the human body at the cellular and molecular levels. The graduate will also learn the fundamentals of disease diagnosis and treatment, as well as the fundamentals of statistics used in biomedicine.

As part of the education, the student can choose the specialization: Experimental biomedicine or Monitoring and coordination of clinical trials.

Speciality: Experimental Biomedicine!

Preclinical research is an excellent foundation for any revolutionary idea! You will learn about the functioning of a human and bacterial cell at the genetic and protein levels, as well as molecular biology methods that meet international standards! Experimental biomedicine is for you if you want to learn how to perform a Real-Time PCR reaction, a full Western Blot procedure, and how to „turn off“ specific genes in a cell. You will also gain skills that will enable you to apply for jobs in R&D, research, and genetic laboratories! Gain distinct skills and outperform others in the labor market.

Speciality: Monitoring and Coordination of Clinical Trials!

The future of medicine is clinical trials and the introduction of new medicinal products to the medical market! Patients who take part in clinical trials have more chances for a better life! You will learn the principles of conducting and managing a clinical trial, „Good Clinical Practice“ in a clinical trial, documentation, and detailed knowledge of legal and ethical regulations applicable to clinical trials as part of this specialization. You will be well-prepared to work in companies that conduct and manage clinical trials in research facilities and medical facilities.

PROGRAMME STRUCTURE

Year I

- English
- Social Studies – Elective
- Information Technology
- Health and Safety while Studying
- Physical Education
- Anatomy with Elements of Histology
- Physiology
- Genetics
- Inorganic Chemistry
- Organic Chemistry
- Biochemistry with Biophysics
- Law in Biomedicine
- Introduction to Medicine
- General Pathology

Year II

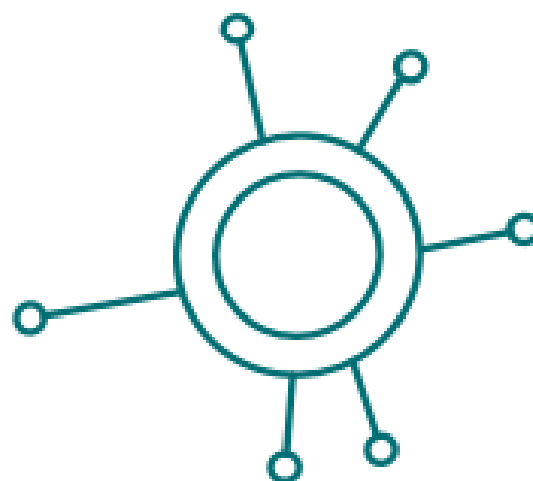
- Humanities – Elective
- Contemporary Information Culture
- Personal Business Model
- Protection of Intellectual Property
- Proseminar
- Physical Education
- First Aid
- Basic of Pharmacology
- Basic of Toxicology
- Cell Biology
- Ethics of Biomedical Research and Trials
- Pathophysiology
- Diagnostics and Treatment of Diseases
- Microbiology
- Introduction to Clinical Trials
- Basic of Immunology
- Laboratory Diagnostics

Monitoring and Coordination of Clinical Trials:

- Monitoring and Coordination of Clinical Trials
- Documentation in Clinical Trials
- Clinical Trial Management

Experimental biomedicine:

- Cell and Tissue Culture
- Model Organisms in Pre-clinical Trials
- Cancer Cell Biology



Year III

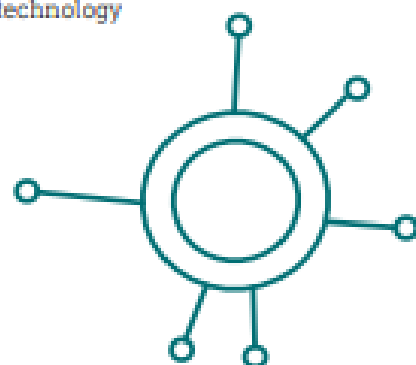
- Molecular Biology
- Biostatistics and Big Data
- Diagnostics and Treatment of Diseases
- Basic of Embryology and Reproductive Biology
- Equipment in Medical Diagnostics and Therapy
- Modern Directions of Biomedical Research

Monitoring and Coordination of Clinical Trials:

- Legal Aspects of Conducting Clinical Trials
- Ethical Aspects of Conducting Clinical Trials
- Electronic Systems and Data Management in Clinical Trials
- Audit in Clinical Trials

Experimental biomedicine:

- Molecular Diagnostics
- Regenerative Medicine with Elements of Biology of Aging
- Pharmaceutical and cosmetological biotechnology
- Medical nanotechnology



CAREER OPPORTUNITIES

After graduation, graduates of Biomedical Sciences will be able to work in institutions such as:

- Pharmaceutical companies
- R&D, research, and research laboratories
- Scientific and research work in educational institutions and scientific institutes
- Work in scientific research as a research coordinator in a medical facility recruiting patients
- Research analyst

ENTRY REQUIREMENTS

- Secondary School certificate (original document and sworn translation into English or Polish) with Apostille or legalized by the Polish Embassy (check the list of members of Hague Convention Abolishing the Requirement of Legalisations for Foreign Public Documents).
- English Certificate (which confirms knowledge of foreign language at least at B1 level or higher in accordance with the Common European Framework).
- Health certificate including a clause that the student is in good health and there are no contraindications to study at University of Information Technology and Management in Rzeszów for the whole duration of the Biomedical Sciences programme.

BENEFITS FROM STUDYING AT UITM



Quality Education

affordable tuition fees



Diploma

recognised worldwide



Cisco, Apple, Microsoft

training programs



Lufthansa

patronage for Aviation Management programme



Prestigious Certificates

free for our best students



Internship at

International Companies



Great job opportunities

in global industries



Mobility

with EU Universities



Internationalisation

students from 50 countries



Unique students experience

in Europe