BACHELOR'S PROGRAM | BIOMEDICAL ENGINEERING

1ST SEMESTER

- Geometry
- Introduction to Calculus
- Physics I. Introduction to Physics
- History of Russia
- Foundations of Programming I
- Discrete Mathematics for Computer Science I

2ND SEMESTER

- Analytic Geometry
- Single Variable Calculus
- Physics II. Mechanics
- Applied Physical Education
- History of Russia
- Russian as a Foreign Language
- Foundations of programming II
- Discrete Mathematics for Computer Science II
- Introduction to Linux
- Organic Chemistry
- General Biology

3RD SEMESTER

- Linear Algebra
- Multivariable Calculus
- Probability Theory
- Physics II. Thermodynamics
- Applied Physical Education
- Russian as a Foreign Language
- Python Programming
- General Chemistry
- General Biology

4TH SEMESTER

- Fourier Analysis
- Ordinary differential equations I
- Physics III. Molecular Physics
- Applied Physical Education
- Biostatistics
- Database Theory and SQL
- Organic Chemistry
- General Biology
- Russian as a Foreign Language

5TH SEMESTER

- Ordinary differential equations II
- Stochastic Processes
- Physics. Electrisity and Magnetism
- Applied Physical Education
- Russian as a Foreign Language
- Biostatistics
- Bioorganic Chemistry
- Molecular Biology
- Cellular Biology
- Physiology

6TH SEMESTER

- Partial Differential Equations
- Physics Advanced
- Applied Physical Education
- Russian as a Foreign Language
- Machine Learning I
- Data Processing Technology
- Bioorganic Chemistry
- Physical Chemistry
- Molecular Biology
- Pathophysiology
- Immunology

7TH SEMESTER

- Bioinformatics & System Biology
- Pathophysiology
- Neurotechnologies & Artificial Intellegence

8TH SEMESTER

- Philosophy
- Life safety
- Bioinformatics & System Biology
- Neurotechnologies & Artificial Intellegence