BACHELOR'S PROGRAM | COMPUTER SCIENCE

1ST SEMESTER

- History of Russia
- Russian as a Foreign Language
- English I
- Health Concepts & Strategies
- Foundations of programming I
- Basics of mathematical logic I
- Number theory
- Geometry
- Introduction to Calculus

2ND SEMESTER

- Analytic geometry
- Single Variable Calculus
- Russian as a Foreign Language
- English I
- Combinatorics and Graphs I
- Data structures and Algorythms I
- Foundations of programming II

3RD SEMESTER

- Linear Algebra
- Multivariable Calculus
- Russian as a Foreign Language
- Combinatorics and Graphs II
- Data structures and Algorythms II
- Python programming
- Operating system I
- C++ programming practice

4TH SEMESTER

- Fourier Analysis
- Russian as a Foreign Language
- Differential Equations
- Combinatorics and Graphs III
- Data structures and Algorythms III
- TeX
- Data bases
- Operating system II

5TH SEMESTER

- Functional Analysis
- Ordinary Differential Equations
- Russian as a Foreign Language
- Functional Analysis
- Probability Theory
- Introduction to Optimization
- Parallel and Disrtibuted Computing I

6TH SEMESTER

- Functional Analysis
- Parallel and Disrtibuted Computing II
- Russian as a Foreign Language
- Computability and complexity
- Statistics
- Convex optimization

7TH SEMESTER

- Russian as a Foreign Language
- Machine learning I
- In-dept elective
- Personal Research Project
- PYTHON math stat practice

8TH SEMESTER

- Philosophy
- Life safety
- Information theory
- Web-graphs
- In-dept elective
- Pre-graduation Practice