**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 Algorithms I
- Foundations of programming II

### 3rd Semester
- Linear Algebra
- Multivariable Calculus
- Russian as a Foreign Language
- Combinatorics and Graphs II
- Data structures and Algorithms 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 Algorithms 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 Distributed Computing I

### 6th Semester
- Functional Analysis
- Parallel and Distributed 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