<table>
<thead>
<tr>
<th>Program name</th>
<th>Bachelor's degree program <strong>09.03.02.30 Information Systems and Technology</strong></th>
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</thead>
<tbody>
<tr>
<td>Key facts</td>
<td>Information Systems and Technology program focuses at training in software development and management at a high professional level using models, methodologies, technologies applied in the domestic and international practice of software engineering. In the course of training, students acquire skills that allow them to professionally implement information and computing systems of various scales and complexity, automate business, and organize the work of development teams. The teaching methods and materials used for the program have been developed based on the best international standards and practices. Our team has many years of experience in engineering education, consists of practicing professionals who have experience in implementing software projects in various programming languages, using advanced technologies and practices of development.</td>
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<tr>
<td>Program length</td>
<td>4 years</td>
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<td>Starting date</td>
<td>September, 1st</td>
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<tr>
<td>Language of instruction</td>
<td>Russian</td>
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| Prerequisites | - Certificate of secondary education  
- Results of the unified state exam in the disciplines Mathematics, Informatics, Physics or the results of entrance examinations at the university. |
| Tuition fee per year | 250,000 rubles (~ 3,310 USD) |
| Program leader/team | Gennady Tsibulsky  
Doctor of Sciences (in Engineering), professor, head of the Department of Artificial Intelligence Systems, School of Space and Information Technology |
| Qualification | Bachelor of Sciences |
| Skills/objectives | Graduates of the program are able to:  
- work with the life cycle of information systems and technologies development, identify high-level requirements, write a software code and implement it;  
- organize teamwork to create software products;  
- carry out testing and system integration of information system components; provide technical support for creation, testing, debugging, modification and operation of information systems and software and hardware |
| Curriculum | • Philosophy  
• History  
• Foreign Language  
• Vital Activity Safety  
• Discrete Mathematics  
• Physics  
• Physical Education and Sports  
• Informatics  
• Basic Programming  
• Introduction to Professional Activity  
• Algebra and Geometry  
• Mathematical Analysis  
• Probability Theory and Mathematical Statistics  
• Theory and Practice of Effective Communication  
• Information Security and Information Protection |
• Programming Technologies
• Methods and Tools for Designing Information Systems and Technologies
• Operation Systems
• Information Technology
• Architecture of Information Systems
• Theory of Algorithms
• Data Management
• Theory of Information Processes and Systems
• Client-Server Programming
• Database Design
• English for Professional Purposes
• Information Processing Technologies
• Corporate IS
• Intelligent Systems and Technologies
• Software Implementation Technologies
• Software Testing and Quality Control
• GIS Software Development
• IT Project Management
• Big Data Analysis
• Development of Mobile Software
• Methods and Means of Information Display
• Information and Computer Networks
• Modeling of Processes and Systems
• Tools of Information Systems

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