

09.04.01 Informatics and Computer Engineering "Secure high-performance computer systems"

The program provides formation of competencies in the field of high-performance computing, including the use of hybrid supercomputer technologies, the development of digital equipment using advanced methods and PLD design tools. Graduates of the master's program also have competencies in the field of information systems architecture, development of secure systems and application software (including mobile devices) using CASE technologies. Much attention is paid to the training of competitive personnel on behalf of informatization in high-tech industries in the context of the globalization of the world information space.

Unique disciplines:

- Circuitry base of digital devices
- Sensors and interfaces for robotics
- Data Science and Big Data Analysis
- Technologies for the digital devices development
- Modeling of robotic devices
- Hybrid supercomputer technologies

Professional opportunities:

- Hewlett-Packard
- Xilinx
- NVIDIA
- Parallels