

09.04.01 Informatics and Computer Engineering

Protected High-performance Computer Systems and Technologies

Program objective

formation of competencies in the field of high-performance computer and information systems architecture.

Curriculum features

- architecture of operating systems
- administration and security of operating systems
- design of secure information systems
- information and coding theory
- schematic database of digital devices
- hybrid supercomputer technologies
- distributed ledger technologies
- parallel computing

Key research areas

- computer systems and networks development
- use of hybrid supercomputer technologies
- design of digital equipment on FPGA
- development of secure system and application software (including for mobile devices) using CASE technologies
- comprehensive analysis of systems information security

Practical training and employment opportunities

- State Atomic Energy Corporation "ROSATOM"
- Concern Sistemprom
- Concern "Almaz-Antey"
- MCST company (Moscow Center for SPARC Technologies), etc.