

09.06.01 Informatics and Computer Engineering

Mathematical Tools and Software for Computer Systems and Networks

Program objective

- to provide training for research and practice-oriented activities related to creation, development and operation of computer systems and networks.
- to develop social and personal qualities, such as determination, self-discipline, diligence, social skills, team spirit, responsibility for the final result of one's own professional activities, civic consciousness, tolerance; improvement of common culture.

Program graduates strain after increasing data efficiency and knowledge processing in computer systems and networks in IT companies according to a universal globalization trend.

Research and professional activities

- computer systems and computer networks;
- software and automated systems (programs, program complexes and systems);
- mathematical, informational, technical, linguistic, software, ergonomic, organizational and legal coverage of automated information, computing, designing and control systems;
- high-performance computing and supercomputer equipment;
- design techniques of technical computer equipment and software; data structures, databases and knowledge databases, databases and knowledge database management systems.

Research practical training and employment opportunities

- State Atomic Energy Corporation "ROSATOM" companies
- Joint Stock Company "Almaz – Antey"
- Air and Space Defence Corporation
- Concern "Systemprom"