

09.04.01 Informatics and Computer Engineering

Modern Computer Systems

Partner university: Razzakov Kyrgyz State Technical University (Kyrgyzstan)

The program provides students with extensive experience in interacting and researching modern computer systems. The program curriculum includes disciplines from both partner universities, which allows to create a unique trajectory for the development of master students from admission to graduation. At the same time, students get an opportunity for self-improvement and raising their qualifications as researchers and as specialists in computer technology and systems.

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:

- development of computer systems and networks;
- software development;
- operation of highly sensitive computer systems.