10.06.01 Information Security

Methods and Systems of Information Security

Program objective

to hone research and professional practical skills of PhD students in information security, software development and other areas of applied mathematics and computer science.

Research and professional activities

- research, development, modification and application of models, methods, technologies, tools of information security;
- application of computer engineering
- methods of examination and design of protected information systems;
- systems and tools of intelligence counteraction;
- information security methods based on quantum mechanics;
- cloud computing security;
- audit of information security of intelligent city infrastructure.

Practical training and professional opportunities

- national federal and regional executive bodies
- Rosatom State Corporation companies and research institutions
- public and private IT-companies (InfoTeCS (Information Technologies and Communication Systems) Company; CROC IT-company; Atlas IAC; Positive Technologies Company; KRIPTO-PRO Company, etc.)