

## **10.04.01 Information Security**

### **Cyber Security**

***Partner university:*** Al-Farabi Kazakh State University (Kazakhstan)

The program highlights the main trends in the development of cybersecurity and cyber resilience. Fruitful cooperation of Russian and Kazakh allows to give the students the latest knowledge and skills that will be useful in further professional activities, for example:

- in investigating cyber security incidents,
- in assessing risks and the state of cyber resilience,
- in designing implementing scientific and industrial projects,
- in day-to-day activities to raise awareness of cybersecurity.

The set of disciplines offered in the program curriculum will allow students to assess the development of information security and gain unique experience both in theoretical research and in solving practical problems.

#### **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.

Our graduates are welcome in many companies, including such as Seiko Epson Co, Samba Construction, OMEGA.KZ LLP, Alfa technologies, ALTERNATE, N-Com LLP, Newinttech, BP Solution and others developing organizations, as well as banks "NaIuk", "KazCom", etc.