

BUSINESS CARD
MAIN PROFESSIONAL EDUCATIONAL PROGRAM
HIGHER EDUCATION - BACHELOR'S PROGRAMS
DIRECTION OF TRAINING: 10.03.01 INFORMATION SECURITY
PROFILE: INFORMATION AND ANALYTICAL SYSTEMS OF FINANCIAL MONITORING
ENROLLMENT OF 2022

LEADERS
BASIC PROFESSIONAL EDUCATIONAL PROGRAM - BACHELOR LEVEL



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PROFILE CHARACTERISTIC

Information security is a science-intensive, high-tech and innovative industry that uses the latest achievements of science and technology and is experiencing a serious shortage of specialists. Deep knowledge in the field of computing, communications, special technology, combined with a good knowledge of the subject area and practical skills create conditions for excellent career growth and high-income levels. The main areas of activity of the bachelor of the profile "Information and analytical systems of financial monitoring countering illegal actions of intruders in computer networks for the transfer of financial transactions, information and analytical support of business security and analysis of vulnerabilities of organizational and economic systems from unauthorized influences. A special place in the training program is occupied by data mining technologies in matters of information security of business and government structures.

PROGRAM ADVANTAGES

- Demand for specialists in the labor market: an information security specialist ensures the confidentiality of the data of the company and individual users, is engaged in the formation of an enterprise security system, and prevents information leaks. The prestige and demand for an information security specialist is extremely high today. Our graduate possesses the means and technologies of data mining in matters of information security.
- Modern material and technical equipment of the educational process: the presence of laboratories equipped with information security tools, the availability of software distributions available for laboratory work.
- Highly qualified teachers: Practitioners are involved in teaching - members of the Association of Chiefs of Information Security Services. Among the partners of the department are InfoWatch and Falcongaze companies - developers and suppliers of high-performance solutions in the field of information security. Teachers and students of the department take an active part in specialized conferences and competitions.

COMPETENCES OF GRADUATES WITH QUALIFICATION REQUIREMENTS FOR SPECIALISTS IN SAFETY OF COMPUTER SYSTEMS AND NETWORKS

As a result of mastering the program, the graduate:

- is able to organize the protection of restricted information in accordance with regulatory legal acts, regulatory and methodological documents of the Federal Security Service of the Russian Federation, the Federal Service for Technical and Export Control;
- is able, as a technical specialist, to take part in the formation of information security policy, organize and support the implementation of a set of measures to ensure information security, manage the process of their implementation at the protected object;
- is able to design subsystems and means of ensuring information security, feasibility study of the corresponding design solutions.

AREA OF PROFESSIONAL ACTIVITY

The area of professional activity is related to the complex provision of information security of automated information systems; research and development of systems and means of protecting computer information; security audit of protected information systems. Graduates will find work in the information security departments of banks, telecommunications and communications enterprises, and commercial structures.

STRATEGIC PARTNERS

- SAP company
- Ural Bank Sberbank PJSC
- PJSC "UBRD"
- Ural Center for Security Systems
- CJSC "Association of Taxes of Russia"
- SKB Kontur
- Ministry of Economy of the Sverdlovsk Region
- Department of Informatization and Communication of the Sverdlovsk Region
- Ural Department of FSTEC RF
- Administration of Yekaterinburg

FORMS OF INTERACTION

- Conducting round tables, conferences, workshops
- Conducting internships for students and teachers
- Conducting open lectures
- Participation in corporate events
- Educational marathons
- Master classes
- Hackathons
- Olympiads, tournaments, forums