

Brief Description of the Program

Jobs

A specialist in applied information science works in the field of creating and maintaining information systems that automate organizational management tasks and business processes in organizations of various forms of ownership. Its activities are aimed at the application of computer science to solving problems in such areas as economics, administrative and state structures, law enforcement agencies, private life, information technology, communications and software.

Educational process

Students study computer science, information technology, algorithmization and programming in various computer languages, design technology and technology of information systems construction. In the process of learning, students receive experience and are certified by leading world and Russian IT companies - a number of vendor courses are introduced into the learning process - Cisco Certified Network Associate (CCNA) from Cisco Systems, Programming in the company's corporate information systems. Interactive practical exercises and laboratory work help students to master the application of IT-technologies in various sectors of the economy. Master classes conducted by leading IT specialists, participation in competitions of innovative projects and developments, communication with employers form professional competencies of future IT specialists.

Disciplines

- ✓ Algorithmization and programming
- ✓ Basics of programming in corporate information systems
- ✓ Computer networks
- ✓ Web development
- ✓ Database programming
- ✓ Computer graphics technology
- ✓ Information systems and technologies
- ✓ Introduction to project activities
- ✓ Safety of information and communication technology users

Practical Training

Each year, students undergo practical training in public and private companies, work for Internet providers, web development companies, advertising and design firms specializing in web graphics and design; they are also engaged in design and construction of computer networks, web development and search engine optimization of websites, development and maintenance of enterprise information systems.

Career

After successfully completing the educational program, graduates will be able to carry out the development of projects for the automation and informatization of applied processes, the creation of information systems in applied areas, work on creation, modification, implementation and maintenance of information systems and carry out management of these works. Graduates can work in financial and economic institutions, tax and law enforcement agencies, educational centers, state and municipal government bodies and other institutions that use computer equipment, local area networks and the Internet, computer graphics technology and graphic design. The career, which is based on technology, has practically no boundaries and obstacles, since ICT are the key to success for each organization.