

Graduate model educational program 7M06101 - "Information systems"

The uniqueness of the educational program 7M06101 - "Information Systems" is in its modern approach to learning, deep immersion in modern information technologies, emphasis on the development of analytical skills, adaptation to rapidly changing market requirements, and integration of practical experience into the learning process. This provides graduates of the program with competitive advantages in the field of information technology and opens the door to a wide range of career opportunities.

Be able to independently resolve issues regarding:

Be capable of effective use in various situations

Be able to:

Have effective communication and social skills, including the ability to:

Know and understand:

Have skills:

Be competent:

using system concepts to understand and identify problems; programming using modern tools

perform professional duties in the implementation of work with hardware and software-hardware complexes of information systems

to apply and use information technologies in professional activity; to use systems and methods necessary for solving typical tasks in various fields of professional practice, to apply theoretical and experimental research, basic methods of mathematical analysis and modeling for processing data obtained in solving various professional tasks, to carry out bibliographic and information retrieval work with subsequent use of data when solving professional tasks and preparing scientific articles, reports, conclusions.

communication technology, communication strategy; to build a constructive dialogue, communication in a multicultural, multi-ethnic and multi-confessional society

basic concepts, principles, theories and facts related to computer science, basic information technologies; modern achievements in the field of information technology; basic types and classification of information systems; principles and structure of the organization of scientific activity; methodology of scientific cognition

processing a large volume of foreign-language information in order to collect material for writing a master's thesis or its section in the language being studied; apply methods of analysis, synthesis to solve applied problems, apply methods of mathematical analysis and modeling, theoretical and experimental research; programming using modern tools

in the field of modern computer technology; in the field of database creation; in the field of analytical thinking and an integrated approach to the design and creation of information systems.