

02.03.02

Theoretical computer science and information technologies

Degree: *bachelor*

Duration of training: *4 years*

Form of training : *intramural*

Language of instruction: *English*

Accreditation: *state, foreign*

Program description:

The main goal of the program is the training of specialists in the field of software development, creation and support of information systems and services by using advanced techniques and technologies of applied programming and administration of computer systems.

The students receive both knowledge relating to the fundamental branches of computer science, such as the theory of algorithms and computability, and practical skills related to specific languages and programming systems.

Basic courses:

- Programming languages
- Discrete Mathematics
- Theory of Algorithms
- Computer Architecture and Operating Systems

Special courses:

- Paradigms and programming technologies
- Database technology
- Computer networks
- Computer graphics

Research areas:

- Artificial Intelligence
- Pattern Recognition

Graduates of the program will be able to work as analysts, IT specialists, software developers, researchers in IT companies, industry, educational and research organizations.

Contacts of the program director:

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