BASICS OF INFORMATION SECURITY
(name of discipline)

ANNOTATION
TO THE CURRICULUM OF THE DISCIPLINE

Specialty 1-53 01 02 "Automated Systems of Information Processing"

	Form of higher education		
	Full-time (dayl-time)	Correspondence*	Part-time shortened*
Course	2	3	-
Semester	4	6	-
Lectures, hours	34	6	-
Laboratory, hours	16	6	-
Test, Semester	4	6	-
Classroom hours in the educational discipline	50	12	-
Independent work, hours	58	96	-
Total hours of the discipline / credit units	108/3,0		

1 Brief content of the discipline

Teaching students the basic methods of information security, information protection means, modern hardware and software algorithms of information encryption, building reliable information storage systems, as well as studying promising directions in the development of modern means of information security.

2 Learning outcomes

As a result of mastering the discipline, the student must

know: the basic concepts of information security; requirements for information protection systems; principles of building information protection systems; basic algorithms for information encryption; methods of authentication of the components of the information process;

be able to: design the structure and choose the components of data protection systems; apply methods and tools of computer information protection; evaluate the reliability of computer information protection methods;

have: skills to assess the reliability of methods of protection of computer information; methodology for testing the authenticity of the components of the information process; technology for information security of computer systems.

3. Competencies to be formed

Mastering this training discipline should ensure the formation of the following competencies: SC-4: Ensure the security of information, taking into account the way it is presented and the model of the perpetrator.

Requirements and forms of current and intermediate attestation

Protection of laboratory works, intermediate control of progress, credit.