SERVER ADMINISTRATION

(course title)

SUMMARY OF THE EDUCATIONAL INSTITUTION'S CURRICULUM

Specialty 6-05-0612-03 "Information Management Systems"

Specialization: Automated information processing systems

	The form of higher education		
	Full-time (full-time)	Correspondence*	Correspondence shortened*
Course	4	5	3
Semester	7	9	6
Lectures, hours	32	6	6
Lab exercises, hours	32	6	6
Exam, semester	7	9	6
Auditorium control work, semester	64	14	14
Classroom hours in the academic discipline		9(2ч.)	6 (2ч.)
Individual work, hours	44	94	94
Total hours in the discipline / credits	108/3,0		

1. Summary of the content of the discipline

The purpose of the discipline is to study the basics of theory and gain practical skills in network administration of an enterprise information system for managing network devices, network protocols, access rights to resources, printing devices, information backup and recovery systems, monitoring network devices and services, using Windows and Linux network operating server systems The server.

2. The planned results of studying the discipline

are to know:

– tasks and objectives of the organization's network infrastructure administration;

– LAN/DHW construction technologies, fundamentals of network protocols operation;

– principles and technologies of building directory services of the information system of the organization (using the example of directory services of the Windows operating system, Linux Server);

– management functions of information resources (file and disk resources), printing resources, routing services, remote access, backup, terminal services;

be able to:

– configure and administer manage user accounts and computers;

– provide resources for general use and assign access rights to them;

– manage the resource usage audit policy;

– administer DNS and DHCP network services;

– administer the information backup and recovery service;– monitor the functioning of network devices and servers, find and eliminate bottlenecks in the network infrastructure

have the skills to:

- monitor and manage local networks using various tools of the Windows, Linux operating system Server;

– skills in using protection and security tools for network resources;

– skills and methods for identifying, localizing, and eliminating malfunctions and bottlenecks in the company's network infrastructure

have the following skills:

– the skills of monitoring and managing local networks using various tools of the Windows operating system, Linux Server;

– skills in using protection and security tools for network resources;

– skills and methods for identifying, localizing, and eliminating malfunctions and bottlenecks in the company's network infrastructure.

3. Competencies to be formed

Mastering this academic discipline should ensure the formation of competence SC-20: Apply integrated development environments to automate document management processes, SC-21: Perform system ad-ministration of the server operating system and software.

4. Requirements and forms of current and intermediate attestation

Defence of laboratory works – current, oral -written, exam – intermediate, oral -written