

**Academic discipline:  
" Computer systems and networks "**

<b>Code and name of specialty</b>	1-40 01 01 Information Technology Software
<b>Training course</b>	2
<b>Semester of training</b>	4
<b>Number of class hours:</b>	88
<b>Lectures</b>	30
<b>Seminar classes</b>	-
<b>Practical classes</b>	18
<b>Laboratory classes</b>	40
<b>Form of current assessment (credit/differential credit/exam)</b>	exam
<b>Number of credits</b>	5
<b>Competencies to be formed</b>	To use generally accepted approaches in the construction, configuration and administration of computer systems and networks
<b>Summary of the content of the academic discipline:</b>	
<p>The course "Computer systems and Networks" is focused on the study of the theoretical foundations of the construction and principles of the functioning of hardware and software components of local and global computer networks, protocols and standards of the Internet and computer systems based on them, as well as the acquisition of practical skills in the design and programming of computer systems and networks with the use of Internet technologies. The course of the discipline presents typical organizations of computers and computer systems, the architecture of the functioning of local and global networks, the principles of the TCP/IP protocol stack and the format of their packets, application-level protocols for working with e-mail and file transfer, the principles of DNS organization, the basics of remote procedure calling (RPC).</p>	