

# COMPUTER ARCHITECTURE

## ANNOTATION

### TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION

Specialty 6-05-0612-03 Information management systems

**Profiling** Automated information processing systems

	Form of higher education		
	Full-time (daytime)	Part-time	Part-time reduced
Course	1	1	2
Semester	1	1	3
Lectures, hours	34	6	6
Laboratory classes, hours	16	4	4
Auditory control work		1 (2ч.)	3 (2ч.)
Examination, semester	1	1	3
Class hours for the academic discipline	50	12	12
Independent work, hours	58	96	96
Total hours per academic discipline / credit units	108/3		

#### 1. Summary of the content of the study discipline

The aim of the discipline is the study of: computer structure, organization of the processor unit, computer arithmetic, connection of external devices to the computer, computer memory management, parsing tasks.

#### 2. Learning outcomes

know:

- The structure of a computer, the purpose and principles of operation of the main blocks;
- organization of machine arithmetic;
- memory management

know how to:

- input and output information into the computer;
- manage the process of creating programs and their execution;
- manage the state of the process, connect new devices and blocks to the computer.

have skills in:

modern programming tools;  
designing of computer systems.

#### 3. Formable competencies

SK-12 Acquire knowledge of the structure of modern computers and the principles of their operation.

#### 4. Requirements and forms of current and intermediate attestation.

Current - protection of laboratory works, intermediate - exam.