

"Computer architecture"

(name of the discipline)

OUTLINE

TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION
Specialty 1-53 01 02 Automated Systems of Information Processing

	Form of training	
	Full-time	Correspondence
Course	3	3
Semester	6	5
Lectures, hours	32	8
Laboratory hours	32	8
Auditory control work		6
Test, semester	6	5
Classroom hours in the educational discipline	64	16
Independent work, hours	44	92
Total hours / credit units	108/3	

1 Summary of the contents of the study discipline

Studying: the structure of a computer, the organization of the processor unit, computer arithmetic, connection of external devices to the computer, computer memory management, parsing tasks.

2. Course objectives

As a result of studying the discipline the student must

know:

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

be able 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 units to the computer.

to master:

- modern programming tools;
- designing of computer systems.

3. Formable competencies

AC-11 Master the basic methods of obtaining, storing and processing information using computer technology, PC-15 Identify current problems in the development and improvement of computer technology.

4.Requirements and forms of current and interim assessment.

FEM, TA, PCU, credit.