# Information systems and technologies"

## ANNOTATION
## TO THE SYLLABUS OF THE INSTITUTION OF HIGHER EDUCATION

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

|  | Form of higher education | | |
|---|---|---|---|
|  | Full-time (full-time) | Correspondence | Part-time |
| **Course** | 1 | 1 | 1 |
| **Semester** | 1 | 2 | 2 |
| **Lectures, hours** | 34 | 8 | 8 |
| **Laboratory, hours** | 34 | 8 | 8 |
| **Exam, semester** | 1 | 2 | 2 |
| **Classroom hours in the educational discipline** | 68 | 16 | 16 |
| **Independent work, hours** | 52 | 104 | 104 |
| **Total hours in the discipline / credit units** | 120/3 | | |

**1.Summary of the content of the discipline**
Teaching students about modern information systems, technologies and tools of transformation, processing, storage and transmission of information.

**2. Course objectives**
As a result of study of the discipline, the student should
know:
- the device and technical means of the personal computer;
- system and application software;
- principles of organization of databases and their design;
- basic techniques of using office programming;
**be able to:**
- work in the Microsoft Windows operating system environment;
- use standard office software packages, including text processor Microsoft Word, tabular processor Microsoft Excel, DBMS Microsoft Access;
- build mathematical models and develop algorithms for solving applied problems;
- to use skills on the organization of databases in professional activity.
**master:**
- methods of algorithmic engineering tasks;
- skills of practical creation and support of automated workplaces based on personal computers;
- methods of managing programs, data and equipment on the basis of modern operating systems for personal computers.

**3. Formable competencies**
BPC-10 Receive, process and analyze information, provide its storage. 4.

**4.Requirements and forms of current and intermediate attestation.**
ZLR, TA, PCU, exam.