## ***Summary of the working program of the academic discipline***

«INFORMATION TECHNOLOGY IN PHARMACY»

General Educational Program of higher education (specialist's degree programs) 33.05.01 Pharmacy

Department of Management and Economics of Pharmacy and Pharmaceutical Technology

1. **The purpose of mastering the discipline**
* universal competences (UC-1.2, UC-1.3);
* general professional competencies (GPC-6).

2. Position of the academic discipline in the structure of the General Educational Program (GEP).

**2.1.** The discipline «information technology in pharmacy» refers to the corepartof Block 1 of GEP HE.

Discipline index B1.O.8.

The discipline is studied in the 5th semester of the 3rd year of study

**3. Deliverables of mastering the academic discipline and metrics of competence acquisition**

 Mastering the discipline aims at acquiring the following universal (UC) or/and general professional (GPC) or/and professional (PC) competencies

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| №  | Competence code | The content of the competence (or its part) | Code and name of the competence acquisition metric | As a result of mastering the discipline, the students should: |
| know | be able to | possess |
|  | UС-1.  | Able to realize critical analysis of problem situations based on a systematic approach, develop strategy actions | UC-1.1. Analyzes the problem situation as a system identifying its components and connections between them | standard professional tasks | Use information, bibliographic resources in biomedical and pharmaceutical terminology, information and communication technologies and taking into account the basic requirements of information security | information, bibliographic resources of biomedical and pharmaceutical terminology, information and communication technologies and taking into account the basic requirements of information security |
|  | UС-1.  | Able to realize critical analysis of problem situations based on a systematic approach, develop strategy actions | UC-1.3. Critically assesses reliability of information sources, works with conflicting information from different sources | standard professional tasks | Use information, bibliographic resources in biomedical and pharmaceutical terminology, information and communication technologies and taking into account the basic requirements of information security | information, bibliographic resources of biomedical and pharmaceutical terminology, information and communication technologies and taking into account the basic requirements of information security |
|  | GPC-6.  | Able to understand the principles of modern information technologies and use them to solve the tasks of professional activity | GPC-6.1. Applies modern information technologies in the interaction with parties to the circulation of medicinal products taking into account the requirements of information security | standard professional tasks | Use information, bibliographic resources in biomedical and pharmaceutical terminology, information and communication technologies and taking into account the basic requirements of information security | information, bibliographic resources of biomedical and pharmaceutical terminology, information and communication technologies and taking into account the basic requirements of information security |
|  | GPC-6.  | Able to understand the principles of modern information technologies and use them to solve the tasks of professional activity | GPC-6.2. Performs an effective search for information necessary to solve the tasks of professional activity using legal reference systems and professional pharmaceutical databases | standard professional tasks | Use information, bibliographic resources in biomedical and pharmaceutical terminology, information and communication technologies and taking into account the basic requirements of information security | information, bibliographic resources of biomedical and pharmaceutical terminology, information and communication technologies and taking into account the basic requirements of information security |
|  | GPC-6.  | Able to understand the principles of modern information technologies and use them to solve the tasks of professional activity | GPC-6.3. Uses specialized software for mathematical processing of observational and experimental data in solving problems of professional activity | standard professional tasks | Use information, bibliographic resources in biomedical and pharmaceutical terminology, information and communication technologies and taking into account the basic requirements of information security | information, bibliographic resources of biomedical and pharmaceutical terminology, information and communication technologies and taking into account the basic requirements of information security |
|  | GPC-6.  | Able to understand the principles of modern information technologies and use them to solve the tasks of professional activity | GPC-6.4. Applies automated information systems in the internal processes of the pharmaceutical organization, as well as for interactions with customers and suppliers | standard professional tasks | Use information, bibliographic resources in biomedical and pharmaceutical terminology, information and communication technologies and taking into account the basic requirements of information security | information, bibliographic resources of biomedical and pharmaceutical terminology, information and communication technologies and taking into account the basic requirements of information security |

**4. Volume of the academic discipline and types of academic work**

Total labor intensity of the discipline is \_\_\_\_ CU (\_\_\_AH)

|  |  |  |
| --- | --- | --- |
| Type of educational work | Labor intensity | Labor intensity (AH) in semesters  |
| volume in credit units (CU)  | volume in academic hours (AH) |
| 5th semester |
| Classroom work, including | 1 | 36 | 36 |
|  Lectures (L) | 0,2 | 6 | 6 |
| Laboratory practicum (LP)\* |  |  |  |
|  Practicals (P) | 0,4 | 14 | 16 |
|  Seminars (S) |  |  |  |
| Student’s individual work (SIW) | 0,4 | 14 | 14 |
| Mid-termassessment |  |  |  |
|  credit |  | 1 |  |
| TOTAL LABOR INTENSITY | 1 | 36 | 36 |

**5. Sections of the academic discipline and competencies that are formed**

|  |  |  |
| --- | --- | --- |
| №  | Competence code | Section name of the discipline |
| 1. | UС-1 | Information technology in pharmacy |
| 2. | GPC-6 | Information technology in pharmacy |