**The name of the academic discipline:**

**“Databases”**

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| **Specialty code and name** | 6-05-0612-01 Software Engineering |
| **Year of study** | 2 |
| **Semester of study** | 3/4 |
| **Number of in-class academic hours:** | 128 |
| **Lectures**  **Seminar classes**  **Practical classes**  **Laboratory classes** | 64 |
| - |
| - |
| 64 |
| **Form of the current assessment (*credit/ graded credit /exam*)** | credit / exam |
| **Number of credit points** | 9 |
| **Competences** | Mastering the academic discipline “Databases” should ensure the formation of the following competencies: BPC-19. Use the theoretical foundations of relational algebra in providing database management systems of various types and purposes, as well as modern technologies of information modeling of the subject area, design, creation and administration of databases. BPC-20. Design, create and administer databases, use the tools and methods of modern database management systems to ensure data integrity, create effective entity architectures, work with indexes and cursors, stored procedures, triggers and views. UC-1. Have a command of the basics of research activities, search, analyze and synthesize information. UC-5. Have the skills of self-development and improvement in professional activities. UC-6. Show initiative and adapt to changes in professional activities. |
| **Summary of the academic discipline:**  The study of the academic discipline “Databases” is aimed at developing students' stable theoretical knowledge and practical skills in the field of development and operation of databases, the use of automated database design tools and software products implementing the functioning and management of databases. Studying the discipline is a necessary stage in the professional development of a specialist in the field of information technology and allows for further improvement of skills in developing professional software tools that meet the current stage of development of computer technology. | |