**The name of the academic discipline:**

**“Architecture of computer hardware and operating systems”**

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| **Specialty code and name** | 6-05-0612-01 Software Engineering |
| **Year of study** | 2 |
| **Semester of study** | 4 |
| **Number of in-class academic hours:** | 90 |
| **Lectures**  **Seminar classes**  **Practical classes**  **Laboratory classes** | 46 |
| - |
| - |
| 44 |
| **Form of the current assessment (*credit/ graded credit /exam*)** | credit |
| **Number of credit points** | 6 |
| **Competences** | To develop skills and abilities in knowledge of the principles of creation and organization of classical and alternative architectures of modern computers and operating systems, as well as to familiarize with their most significant implementations |
| **Summary of the academic discipline:**  Introduction.  Organization of computer systems.  Pipeline data processing.  Memory organization  Architecture of microprocessors and operating systems  Interaction of processes  Parallel computer architectures  Scheduling methods | |