**The name of the academic discipline:**

**“Computer architecture and software”**

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| **Specialty code and name** | 6-05-0113-04 Physical and Mathematical Education (Physics and Informatics) |
| **Year of study** | 2 |
| **Semester of study** | 4 |
| **Number of in-class academic hours:** | 50 |
| **Lectures****Seminar classes** **Practical classes****Laboratory classes** | 20 |
| - |
| - |
| 30 |
| **Form of the current assessment (*credit/ graded credit /exam*)** | credit |
| **Number of credit points** | 3 |
| **Competences** | The specialist must select hardware and software for the design of computing systems, apply the basic principles of design and operation of computer network hardware, web design and programming methods |
| **Summary of the academic discipline:**Introduction to computer architecture. Arithmetic and logical foundations of the computer. Computer interfaces. Storage devices. Input/output devices. Network communication tools. Computer software. Optimization of personal computer operation. |