**The name of the academic discipline:**

**“Programming of digital electronics”**

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| **Specialty code and name** | 7-06-0113-04 Physical and Mathematical Education |
| **Year of study** | 1 |
| **Semester of study** | 1 |
| **Number of in-class academic hours:** | 28 |
| **Lectures****Seminar classes** **Practical classes****Laboratory classes** | 10 |
| - |
| 18 |
| - |
| **Form of the current assessment (*credit/ graded credit /exam*)** | credit  |
| **Number of credit points** | 3 |
| **Competences** | To master the methods of designing and programming digital electronic devices and systems. |
| **Summary of the academic discipline:**The academic discipline "Programming of digital electronics" introduces students to the main directions, tasks and the latest scientific results in the field of programmable digital devices and systems built on their basis, necessary for future professional activity. One of the most important aspects of the discipline is the focus on solving practical problems.It is relevant to include in the educational material tasks related to the organization of project activities, with methods based on personality-oriented and activity-based approaches.The purpose of the academic discipline: mastering knowledge, skills and abilities in the field of microprocessor and microcontroller technology, necessary for future professional activity. |