**The name of the academic discipline:**

**“Educational Robotics”**

|  |  |
| --- | --- |
| **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:** | 46 |
| **Lectures**  **Seminar classes**  **Practical classes**  **Laboratory classes** | 16 |
| - |
| 14 |
| 16 |
| **Form of the current assessment (*credit/ graded credit /exam*)** | credit |
| **Number of credit points** | 3 |
| **Competences** | The specialist must apply algorithmic methods in various programming environments, a system of knowledge and skills from educational robotics to implement the educational process |
| **Summary of the academic discipline:**  Introduction to robotics.  Electric circuits.  Arduino hardware and software platform.  Arduino development environment and programming language.  Modeling on the Arduino platform. | |