The name of the academic discipline:
«Fundamentals of Educational Robotics»

Code and name of specialty	1-02 05 02 Physics and Informatics
Training course	2
Semester of training	4
Number of class hours:	44
Lectures	16
Seminar classes	-
Practical classes	-
Laboratory classes	28
Form of current assessment (credit/differential credit/exam)	credit
Number of credits	3
Competencies to be formed	Mastering the academic discipline "Fundamentals of Educational Robotics" should ensure the formation of universal competence: to search, analyze and evaluate information necessary for setting and solving research problems; specialized competence: to apply a system of knowledge and skills in the field of computational methods, computer modeling, educational robotics.

Summary of the academic discipline:

The discipline "Fundamentals of Educational Robotics" includes the following sections: introduction to robotics, electrical circuits, arduino hardware and software platform, arduino development environment and programming language, modeling on the arduino platform.