

**The name of the academic discipline:  
«Physics»**

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| <b>Code and name of specialty</b>  | 6-05-0612-01 Software Engineering   |
| <b>Training course</b>   | 1   |
| <b>Semester of training</b>  | 2   |
| <b>Number of classhours:</b>   | 84  |
| <b>Lectures</b>  | 50  |
| <b>Seminar classes</b>   | -   |
| <b>Practical classes</b>   | 18  |
| <b>Laboratory classes</b>  | 16  |
| <b>Form of current assessment (credit/differential credit/exam)</b>  | exam  |
| <b>Number of credits</b>   | 6   |
| <b>Competencies to be formed</b>   | Learning the discipline «Physics» should provide the formation of universal and basic professional competences: to possess a culture of thinking, to be able to perceive, generalise and analyse information, philosophical, worldview problems; to be able to apply the basic theoretical and methodological provisions of physics and higher mathematics in conducting scientific research and practical activities in the field of biology and medicine. |
| <p><b>The name of the academic discipline:</b></p> <p>The discipline «Physics» is divided into the following sections: the role of physics in the natural sciences; physical quantities and units of measurement; basic mechanics; basic molecular physics and thermodynamics; electricity and magnetism; optics; basic quantum optics and the physics of atoms and molecules; atomic nucleus physics.</p> |   |