

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

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| Code and name of specialty | 1-40 01 01 Software Engineering |
| Training course | 1 |
| Semester of training | 2 |
| Number of classhours: | 84 |
| Lectures | 50 |
| Seminar classes | - |
| Practical classes | - |
| Laboratory classes | 18 |
| | 16 |
| Form of current assessment (credit/differential credit/exam) | exam |
| Number of credits | 6 |
| Competencies to be formed | 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>The name of the academic discipline:</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> | |