

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

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| Code and name of specialty | 1-02 04 01 Biology and Chemistry |
| Training course | 1 |
| Semester of training | 1 |
| Number of class hours: | 56 |
| Lectures | 20 |
| Seminar classes | 8 |
| Practical classes | - |
| Laboratory classes | 28 |
| Form of current assessment (credit/differential credit/exam) | credit |
| Number of credits | 3 |
| Competencies to be formed | Mastering the discipline "Microbiology" should ensure the formation of basic professional competencies: possess a system of knowledge about macro- and microstructure, physiology, taxonomy, the importance of living organisms in natural ecosystems and human life for the formation of scientific ideas about the structure, life activity and diversity. |

Summary of the academic discipline:

The academic discipline "Microbiology" is one of the leading biological disciplines, which provides fundamental knowledge about the world of microorganisms, forming its scientific outlook. The modern science of microorganisms is closely related to cytology, molecular biology, genetics, biochemistry, physiology, biotechnology and other biological sciences. The variety of physiological, biochemical and genetic properties of microorganisms is considered in the context of their distribution and existence in various ecological niches.