**The name of the academic discipline:**

**“Machine Learning Methods”**

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| **Specialty code and name** | 1-40 01 01 Information Technology Software |
| **Year of study** | 4 |
| **Semester of study** | 7 |
| **Number of in-class academic hours:** | 92 |
| **Lectures****Seminar classes** **Practical classes****Laboratory classes** | 52 |
| - |
| - |
| 40 |
| **Form of the current assessment (*credit/ graded credit /exam*)** | exam |
| **Number of credit points** | 6 |
| **Competences** | Mastering the academic discipline “Machine Learning Methods” should ensure the formation of professional competence in the development and implementation of intelligent data analysis algorithms. |
| **Summary of the academic discipline:**The course "Machine Learning Methods" is aimed at students' basic understanding of the role of artificial intelligence algorithms in modern data processing and analysis. This course covers basic knowledge of developing machine learning models, classification methods, clustering, regression analysis, neural networks, deep learning methods, big data analysis, and integration approaches in machine learning. The discipline "Machine Learning Methods" is designed to develop students' knowledge, skills, and abilities related to the development and application of data mining algorithms. |