**MODERN INDUSTRIAL TECHNOLOGIES**

(name of the discipline)

**ANNOTATION**

**TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION**

**Specialty** 1-25 01 07 "Economics and management at the enterprise"

| Form of higher education | | |
|---|---|---|
| | Full-time (daytime) | Correspondence abbreviated |
| Well | 1 | 1 |
| Semester | 2 | 2 |
| Lectures, hours | 16 | 4 |
| Laboratory classes, hours | 16 | 4 |
| Practical lessons, hours | 16 | 4 |
| Exam, semester | 2 | 2 |
| Classroom hours per academic discipline | 48 | 12 |
| Independent work, hours | 96 | 132 |
| Total hours per academic discipline / credit units | 144/4 | |

1. **Brief content of the discipline**

The discipline "Modern Industrial Technologies" gives students an idea of modern industrial technologies and innovative directions of their development, to contribute to the acquisition of theoretical knowledge necessary to perform the functions of economic support for the creation of new industrial technologies, starting with research and development. And ending with industrial development, to formulate ideas about the area where the acquired knowledge will be applied, to form in students the skills of initiative, a creative approach to solving problems of increasing the efficiency of innovative developments.

2. **Learning Outcomes**

A student who has studied the discipline should **know**:

– design and technological preparation of production;

– preparation and composition of technological documentation used in the manufacture, control, acceptance and repair (modernization) of products;

– life cycle of creation, implementation and introduction into economic circulation of objects of new technology;

– modern industrial technologies used in industrial production sectors,

– capabilities of modern CAD/CAM systems in the preparation of production in the course of implementation of innovative projects;

**be able to:**

– survey industrial enterprises to identify and use industrial technologies and innovations;

– use modern information technologies in the design and implementation of industrial technologies at enterprises;

– support the life cycle of the creation, implementation and introduction into economic circulation of objects of new technology;

– choose technical means and technologies, including taking into account the environmental consequences of their use;

**own:**

– skills of engineering, reorganization and reengineering;

– modern methods of technical assessment of industrial and innovative technologies;

– skills in analyzing the application of the most advanced methods of manufacturing products in technology;

– skills for assessing the competitiveness of technological processes for processing materials.

1. **Formed competencies:**

SK-30 Analyze the technological foundations of the production process, evaluate the effectiveness of the functioning of the enterprise's technological systems.

4. **Requirements and forms of current and intermediate certification**

Current and intermediate certification is carried out in written and oral-written form through reports on laboratory and practical work with their oral defense, a written exam.