

**ENGINEERING TECHNOLOGY
ANNOTATION
TO THE CURRICULUM OF THE EDUCATIONAL INSTITUTION**

Specialty 1-36 01 03 "Technological equipment of machine-building production"

	Form of higher education	
	Full-time (daytime)	correspondence abbreviated
Well	3	3
Semester	6	6
Lectures, hours	34	8
Practical (seminar) classes, hours	16	4
Exam, semester	6	6
Classroom hours per academic discipline	50	12
Independent work, hours	58	96
Total hours per academic discipline / credits	108/3	

1. Brief content of the discipline

Discipline "Technology of mechanical engineering" presentation to students of general ideas about the content and tasks of the technology of mechanical engineering and instrumentation, about the foundations of theoretical positions, about the connections and patterns of technological processes, knowledge of which allows you to develop processes for machining parts and assembling machines and devices that ensure their quality at the highest level labor productivity and the lowest cost of manufacturing products.

2. Learning outcomes

– As a result of mastering the academic discipline, the student should **know**:

- – sources of machining errors, methods of their reduction;
- – influence of various factors on the characteristics of the quality of surfaces of parts and their performance properties;

be able to:

- – principles of designing rational technological processes for various production conditions;
- – perform calculations of the main types of processing errors;
- design technological processes for processing parts and assembling machines for various production conditions;
- draw up technological documentation;
- evaluate the accuracy and stability of the current technological process;

own:

- methodology for choosing the route for processing individual surfaces and the part as a whole, taking into account the requirements of the part drawing, the accepted workpieces and the type of production;
- skills for assessing the quality of the technological process of machining and manufactured parts in production conditions;
- information necessary for the selection of statistical methods of regulation and quality control of products for given production conditions.

3. Formed competencies

Mastering this academic discipline should ensure the formation of the following competencies:

Codes formed competencies	Names of competencies being formed
SK-7	To be able to design technological processes for processing parts and assembling machines with the execution of technological documentation, ensuring the productivity and economy of their manufacturing processes

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 practical work with their oral defense and a written exam.