TECHNOLOGICAL PROCESSES OF MATERIAL PROCESSING AND MACHINE ASSEMBLY

(name of the discipline)

ANNOTATION

TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION

Specialty 1-36 01 04 “Equipment and technologies for highly efficient material processing processes”

Form of higher education	
	Full-time (daytime)
Course	4
Semester	7
Lectures, hours	50
Practical (seminar) classes	34
Laboratory classes, hours	16
Coursework, semester	8
Examination, semester	7
Class hours for the academic discipline	100
Independent work, hours	100
Total hours per academic discipline / credit units	200/6

1. Brief content of the discipline

The discipline «Technological processes of processing materials and assembling machines» contains general ideas about the technological processes of processing machine parts and assembling machines.

2. Learning outcomes

A student who has studied the discipline should

know:

– principles of designing rational technological processes for various production conditions;

– ways and means of automation of processing and assembly operations and processes;

be able to:

– design technological processes for processing parts and assembling machines for various production conditions;

– design special technological equipment for assembly operations;

– analyze the economic efficiency of technological solutions;

– draw up technological documentation;

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 parts and assembling machines in a production environment.

3. Formed competencies:

SK-6 To master the methods of choosing rational modes of processing products and time standards in the development or modernization of technological processes, as well as methods for processing technological documentation, including with the help of computer technology.

4. Requirements and forms of current and intermediate certification

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