

CNC MACHINING TECHNOLOGY

ANNOTATION TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION Specialty 1-36 01 04 "Equipment and technologies of highly efficient material processing processes"

	Form of higher education
	Full-time (daytime)
Course	4
Semester	7
Lectures, hours	34
Laboratory classes, hours	34
Exam, semester	7
Classroom hours in the academic discipline	68
Independent work, hours	40
Total academic hours / credits	108/3

1 Synopsis of the discipline

The discipline "Technology of machining on CNC machines" contains information on the features of the use of technological equipment equipped with numerical control devices in existing and projected technological processes.

2. Learning outcomes

As a result of the development of the academic discipline, the student must

To know:

- technological capabilities of various groups of CNC machines;
- features of designing technological processes of processing using CNC machines;

can:

- develop control programs for machining parts on CNC machines;
- rational use of the capabilities of CNC equipment;
- perform rationing of operations carried out on CNC equipment;

possess:

- design features of machining operations on CNC machines and machine tools;
- skills in developing the text of control programs for CNC machines.

3 Competencies to be formed

The development of this academic discipline should ensure the formation of the following competencies:

SK-7 To be able to provide a high level of their automation in the design of technological processes, to know the principles and types of automated process control 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 work with their oral defense, control works, written examinations.