

# **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.