COMPUTER-CONTROLLED MACHINE TOOLS

(course title)

COURSE SYLLABUS ABSTRACT

6-05-0722-05 Production of products based on three-dimensional technologies

	STUDY MODE
	full-time
Year	4
Semester	7
Lectures, hours	16
Laboratory classes, hours	16
Exam, semester	7
Contact hours	32
Independent study, hours	68
Total course duration in hours / credit units	100/3

1. Course outline

The discipline "Computer-Controlled Machining Machines" provides information on the features of using technological equipment equipped with numerical control devices in technological processes.

2. Course learning outcomes

Upon completion of the course, students will be expected to

know:

- technological capabilities of various groups of CNC machines;
- Features of the design of technological processes of processing using CNC machines;

be able to:

- develop control programs for processing parts on CNC machines;
- rationally use the capabilities of CNC equipment;

to possess a skill:

- designing machining operations on CNC machines and machine complexes;
- development of the text of control programs for CNC machines.

3. Competencies

Select and operate computer-controlled machining centers for the production of additive manufacturing products

4. Requirements and forms of midcourse evaluation and summative assessment

Current and intermediate assessments are conducted in written form through laboratory reports with oral defense, control works, and written examination.