

**FIRST DESIGN AND TECHNOLOGICAL PRACTICE  
ANNOTATION  
TO THE PRACTICE PROGRAM OF HIGHER EDUCATION INSTITUTIONS**

**Specialty** 1-53 01 01 – «Automation of technological processes and production»

**Direction of the specialty** 1-53 01 01-01 «Automation of technological processes and production (engineering and instrumentation)»

	Form of higher education
	Full-time (daytime)
Course	2
Semester	4
Total hours per academic discipline / credit units	216 / 6

**1. Summary of practice (goals and objectives)**

The purpose of the practice is to teach students practical skills and prepare them for independent professional activities in their chosen specialty.

The objectives of the practice are the acquisition by students of professional skills in the specialty, the consolidation, expansion and specialization of knowledge gained in previously studied disciplines; Introduction to CNC programming.

**2. Learning outcomes**

As a result of passing the first design and technological practice, the student must:

**know** the basics of CNC programming;

**be able** to write programs for processing on CNC machines;

**possess** the skills of work on the design of technological processes.

**3. Formed competencies:**

Codes of generated competencies	Names of competencies being formed
	Be able to apply basic scientific and theoretical knowledge to solve theoretical and practical problems
	Be able to work independently
	Have an interdisciplinary approach to problem solving
	Possess the ability for interpersonal communication
	Be able to work with scientific, normative-reference and special literature

**4. Form of current and intermediate certification**

Current and interim certification is carried out in writing through the preparation of reports, as well as oral tests.