

FIRST DESIGN AND TECHNOLOGICAL PRACTICE

ANNOTATION

TO THE PRACTICE PROGRAM OF HIGHER EDUCATION INSTITUTIONS

Speciality 6-05-0714-02 – Mechanical engineering technology, metal cutting machines and tools

Profiling Engineering technology

	Form of higher education		
	Full-time (daytime)	part-time	part-time (shortened program)
Course	2	3	2
Semester	4	6	4
Total hours per academic discipline / credit units	216 / 6		

1. Internship course outline (aims and objectives)

The purpose of the first design and technological practice are:

- formation of students of the specialty 6-05-0714-02 «Technology of mechanical engineering, metal-cutting machines and tools», profiling «Technology of mechanical engineering» a general idea of programming on CNC machines, familiarization with general requirements, getting an idea of the organizational and production structure of modern organizations / enterprises; consideration of the features of technological processes with the use of CNC machines of an organization/enterprise;

- mastering practical skills and abilities of students and their preparation for independent professional activity in the specialty they receive.

The objectives of the first design and technology practice are:

- acquisition of professional skills by students in their specialty, consolidation, expansion and specialization of knowledge gained in previously studied disciplines;

- introduction to the programming of CNC machines;

- familiarization with the tasks of the enterprises and organizations of Mogilev, the organizational structure of various organizations / enterprises, with the forms of organization of the production process and its technological support.

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;

have new skills in designing technological processes.

3. Formed competencies:

UK-2 Solves standard tasks of professional activity based on the use of information and communication technologies. BPK-1.3 Master the basic methods, methods and means of obtaining, storing, processing information, computer skills, as a means of information management, and the use of computer networks. SK-1 Should be able to use computer technology and mathematical methods to solve engineering problems in the field of mechanical engineering (development of drawings, automation of design of structures and technologies, etc.).

4. The form of intermediate certification

Intermediate certification is carried out in writing through the preparation of reports, as well as by conducting differentiated test.