

**ANNOTATION TO THE INTERNSHIP
PROGRAM OF A HIGHER EDUCATION INSTITUTION**

INTRODUCTORY INTERNSHIP

(name of the practice)

Specialty 6-05-0714-03 Engineering and technical design and production of materials and products from them
Profiling Equipment and technology of welding production

	Form of higher education		
	Full-time (day)	Part-time	Заочная сокращенная
Course	1	2	1
Term	2	4	2
Total practice hours / credits	216/6		

1. Summary of the internship program (goals and objectives of the internship)

The purpose of the introductory internship is to master students' practical skills and abilities and prepare students for independent professional activity in the specialty they receive, consolidate theoretical knowledge gained in the study of special disciplines, acquire a knowledge base for the successful study of special disciplines in the third and fourth years.

The objectives of the practice are: to study the organizational structure of a machine-building enterprise and its management scheme; to study the technological process of manufacturing welded structures; to get acquainted with the equipment of the procurement and assembly and welding workshops of the plant; to perform an individual task on the basis of a welded assembly produced by the enterprise.

2. Learning outcomes

- to know the rules of labor protection, safety and fire-fighting measures when performing welding works; basic operations when performing welding works; a list of necessary technological equipment, measuring devices and tools; quality assessment criteria and quality requirements when performing welding works.

- be able to prepare workplaces and tools for performing basic types of welding work; use measuring tools, as well as instruments and technological equipment for performing basic types of welding work.

- have the skill of preparing and implementing technological processes for the manufacture of welded structures; performing preparatory work during the production of welding works.

3. Formed competencies

UK-13 – Have the ability to analyze the processes taking place in society, carry out their sociological diagnostics, predict, anticipate or minimize the consequences of crisis phenomena in various spheres of life.

SK-1 – Possess the physical basics of welding methods, knowledge for solving theoretical and practical problems of obtaining welded joints of various metals and alloys, issues of technological weldability of metals and alloys.

SK-2 – Possess technologies of fusion welding and thermal cutting of metals and alloys, know the equipment, welding materials and be able to choose welding mode parameters that ensure the quality of welded joints.

4. The form of intermediate certification is differentiated credit.