

## ENGINEERING GRAPHICS

### ANNOTATION TO THE CURRICULUM OF A HIGHER EDUCATION INSTITUTION

**Specialty** 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)	Correspondence
Course	<b>1</b>	<b>1</b>
Term	1,2	1,2
Lectures, hours	34	6
Practical (seminar) classes, hours	68	12
Classroom control work (semester, hours)		1(4) , 2(4)
Credit, semester	2	2
Exam, semester	1	1
Classroom hours for the academic discipline	102	26
Independent work, hours	114	190
Total hours of academic discipline / credits	216/6	216/6

#### 1. Summary of the academic discipline

The program provides for the development of spatial representation and imagination, constructive geometric, abstract and logical thinking, the ability to analyze and synthesize spatial forms.

#### 2. Learning outcomes

**- know:**

- formation of drawings by the projection method;
- graphical methods for solving positional and metric geometric problems;

**- be able to:**

- execute and read engineering drawings;
- use standards and reference books;

**- have the skill of:**

- visual representation of details and reading drawings;
- the use of computer technology to build drawings.

#### 3. Formed competencies

To carry out graphic constructions on the plane and in space in accordance with the requirements of the Unified System of design documentation, to create drawings of parts of technological equipment, to draw up and develop design documentation.

#### 4. Requirements and forms of current and interim certification.

The following forms are used to diagnose competencies: oral; written; oral-written.

To assess the level of knowledge of students, the following diagnostic tools are used: oral interview; protection of individual tasks - current certification; passing the exam (test) – intermediate certification.