

National Technical University
“Kharkiv Polytechnic Institute”

The Department of Welding

Study

- Branch of knowledge: 13 “Mechanical engineering”
- Speciality: 132 “Material science”
- Specialization: 132.04 Welding and Related Processes and Technologies



You can work in Ukraine, in the world in these directions:

- teach material science and welding subjects;
- masters, heads of sections and departments of the welding inspectors, quality control, chief welder, a research laboratory on welding and quality control as well as design and technology bureau of the welding industry;
- start own business through the use of welding technologies for car repairs, household and other equipment, production of construction and rehabilitation of various purposes

The main educational subjects of department:

- theory of welding processes;
- welding power source;
- technology and equipment fusion welding;
- physico-chemical processes in welded joints;
- gas-thermal processing of metals;
- technology and equipment of welding pressure;
- metallurgy and heat treatment of welded joints;
- quality control and fault detection;
- soldering;
- welding of plastics;
- special welding materials;
- certification of welding production



Distance learning course

- WELDING CONSTRUCTIONS AND THEIR PRODUCTION;
- MODERNIZATION OF WELDING MACHINES;
- TECHNOLOGICAL PROCESSES OF WELDING PRODUCTION;
- WELDING POWER SOURCES;
- THE THEORY OF WELDING PROCESSES;
- WELDING BY MELTING;
- CONTACT WELDING;
- AUTOMATION AND MECHANIZATION OF WELDING PRODUCTION

Laboratory facilities of the department



- SPECIALIZED LABORATORY, AUDIENCES;
- TECHNICAL TRAINING FACILITIES;
- WELDING EQUIPMENT;
- ACTIVE AND PASSIVE CONTROL DEVICES;
- SOLID DRIVERS;
- MICROSCOPES;
- LAYOUTS;
- MULTIMEDIA COMPLEX;
- PERSONAL COMPUTERS



STAFF OF THE DEPARTMENT: professors, associate professors and candidates of sciences. The average age of the department does not exceed 50 years



The head of the department is Prof.

**Dmytryk Vitaliy
Vladimirovich**

mail: svarka126@ukr.net