



Field of Study: **Technological machines and equipment**

Major: **Technological machines and equipment for chemical and petrochemical industries**

Ivanovo State University of Chemistry and Technology, Russia
isuct.ru | vk.com/isuct | instagram.com/isuct.ivanovo

Awarded degree or qualification:	Bachelor
Language of instruction:	Russian (Preparatory Department for studying Russian language is available)
Form of training:	Full-time
Duration:	4 years
Possibility of free training:	Yes (see more)
Contacts:	international@isuct.ru +7 920 372 69 78    +7 4932 30 09 60

1. Programme description

High quality of products is one of the most important conditions for the functioning of a modern enterprise in terms of mass production. The solution of such a task requires permanent work of engineering and technical personnel to introduce advanced technologies and equip the industry's enterprises with modern equipment. To reduce the likelihood of man-made disasters and provide measures of responsibility for the resulting consequences, it is necessary to certify the equipment of chemical production. Skillful professionals are in demand in all chemical and petrochemical manufactories in the world. The educational programme allows training of professionals of technological machines and equipment for chemical and petrochemical industries. The training programme provides knowledge in the field of mechanical engineering, physics, nanotechnology, mechanics, power and resource-saving technologies.

2. Programme objectives

The graduates will be able to perform the following tasks:

- ensure the operation of technological equipment for chemical and petrochemical industries;
- monitor of technological discipline compliance while equipment maintenance;
- to organize workplaces, equipping them with technological machinery;
- to monitor technical condition and residual life of processing equipment, to organize preventive inspection and current repairs;
- to monitor compliance with environmental safety;
- to perform calculation and design of machine-building structures parts and components in accordance with technical specifications and using standard design automation tools;



Field of Study: **Technological machines and equipment**

Major: **Technological machines and equipment for chemical and petrochemical industries**

Ivanovo State University of Chemistry and Technology, Russia
isuct.ru | vk.com/isuct | instagram.com/isuct.ivanovo

- to develop detail design and technical documentation, execute completed design work.

3. Professional activity of graduates includes the organization and performing of works on designing, installation and operation of technological machines and equipment. Also, graduates are aimed to design competitive products of mechanical engineering and computer modelling based on the use of modern methods and design tools.

The graduates will be able to carry out professional activities in workshops of various chemical industries to upgrade equipment and improve its reliability and durability as well as in design and research organizations and specialized enterprises repairing and installing basic chemical and technological equipment.

4. The educational programme trains

technologists, design engineers, mechanics and apparatus operators. Students enrolled in this programme will become skillful engineers who are able to ensure high-quality operation of equipment as well as to implement high-tech knowledge-intensive technologies in production.

5. Profile disciplines:

- "Technological machines and equipment for chemical production";
- "Fundamentals of calculation and design of machines and devices";
- "Optimization of chemical and technological processes";
- "Technology of structural materials";
- "Repair and installation of chemical equipment".