

**BNTU - speciality FITR (CAD)**

Student Gabrinevskii A.S.

scientific supervisor – lecturer Dzerhachova A.A.

Belarusian National University of Technology (BNTU)

Minsk, Belarus

Belarusian National Technical University (BNTU) is one of the leading technical universities in Belarus. Founded in 1920 and has over 100 years of experience in teaching students. The university offers more than 70 undergraduate, graduate and postgraduate majors. It is the largest technical university in Belarus and currently has over 25,000 students. The university is located in the capital of Belarus, the city of Minsk, on Independence Avenue. The university campus has more than 50 buildings and a total area of about 180 thousand square meters.

BNTU pays special attention to scientific activity. The university has more than 40 scientific centers and laboratories, including the Research Institute for Problems of Mechanics and Mechanical Engineering, the Research Institute for Welding and Design of Welded Structures, the Energy Efficiency Research Institute and others. It also develops international cooperation and has partnerships with more than 80 universities around the world.

BNTU is an indispensable source of training highly qualified engineers in various fields such as mechanics, energy, information technology, construction, automotive, materials science, and others. BNTU graduates have excellent job prospects due to their high level of education and their professional skills.

Thus, BNTU is one of the most prestigious technical universities in Belarus, which offers students a wide range of educational programs, scientific and recreational opportunities. As a BNTU graduate, you are guaranteed to receive a professional education and excellent prospects for the future.

## CAD

Today, more than 32 thousand students study here, choosing more than 35 specialties in eight faculties. One of these specialties is "Computer-aided design and process control systems" (CAD), which trains specialists to work in the development, design and maintenance of technological processes in various industries. In this specialty, students receive deep knowledge in the field of mathematics, physics, programming, operations research, automation and computer technology. In the process of learning, students study modern methods and means of automation and design of technological processes, learn to solve problems of optimizing production, maintain and modernize production management systems.

An important component of the educational process of students in this specialty is practical classes in computer classes and laboratories, where students are engaged in real tasks of designing, modeling and managing technological processes. Students can also do internships at enterprises and organizations, where they practically apply the knowledge gained at the university.

Upon completion of their studies, CAD graduates can work in various industries, such as aviation, machine building, electric power, chemical and others. They may be engaged in projects for the automation and modernization of production processes, work in engineering and design offices, the development of computer control systems, programming and software testing.

The Belarusian National Technical University is one of the leaders in higher technical education in Belarus, and the CAD specialty is one of the most demanded in the modern labor market. Studying in this specialty allows graduates to gain the necessary knowledge to successfully start their careers and work in one of the most promising industries.