**The annotation of the program**

**09.03.01 Informatics and computer engineering**

**The name of the program**: computer aided design in mechanical engineering.

**The objectives of the program**: training bachelors with universal and subject-specialized competencies contributing to their social mobility and sustainability in the labour market, being able to work in the field of activities related to the computer aided design, computer and telecommunication systems and networks, automated systems of information processing and software of automated systems.

**The period of education**: for full-time students - 4 years.

**The graduating department**: Department of information technologies and applied mathematics.

**The field of professional activities**: computer and telecommunication systems and networks; automated systems of information processing and management of industrial enterprises of different levels; computer-aided design and information support of products; software of automated systems.

**The objects of professional activities**: computers, complexes, systems and networks; automated systems of information processing and management; computer-aided design and information support of life cycle of industrial products; software of computer technology and automated systems (programs, software systems); mathematical, information, technical, linguistic, software, ergonomic, organizational and legal support of these systems.

**The features of the curriculum**: the main feature of educational process is that it is provided by such disciplines as "Fundamentals of design" and "Computer aided design", involving the development of applications and application libraries for software used in high-tech industrial enterprises of a defensive complex and mechanical engineering industry, at the enterprise of the state Corporation "Rosatom" FSUE «Integrated Plant «Electrohimpribor» in particular.

The curriculum provides the necessary competencies for skilled training in such areas as programming, information systems, networks and telecommunications, peripherals and other areas of professional activities.

**The list of enterprises for practical work and employment of graduates**: the Enterprise of the state Corporation "Rosatom" FSUE «Integrated Plant «Electrohimpribor», NTMZ JSC "Venta".