**ANNOTATION**

of educational program

**15.03.05 Design and technological support of Machine-BuildingProduction**

**Training profile: Engineering Technology**

**Program Name**: 15.03.05 Design and technological support of machine-building production, educational program "Mechanical engineering technology".

**Program Objectives**: The aim of the educational program "Mechanical engineering technology" is to train designers, engineers and production organizers for the design, industrial and research organizations of general engineering and enterprises of the nuclear industry, experts with general cultural and professional competencies for creation competitive products, developing new and improving the existing technological processes, for applying modern means and methods of design and modeling machine-building production equipment.

**Terms of education** in full-time education are 4 years (bachelor).

**Graduate departments**: Department of Mechanical Engineering Technology.

**The area of professional activity**: a set of tools, techniques and methods of operation, aimedat creating a competitive engineering products, improving national technological environment; study, design, implementation and monitoring of the rules, regulations and requirement sofe ngineering products, technology of its manufacturing and quality assurance; development of new and improvement of existing technological processes of manufacture of products of machine-building production, the means of their equipment; the use of modern means of automation, design methods, modeling of technological processes; providing a highly efficient operation of technological processes of machine-building production, the means of their technological equipment, automation, control, monitoring, diagnostics and testing of products, etc..

**Objects of professional activity**: the objects of professional activity of future graduate sare engineering production and it smain and auxiliary equipment, systems, toolmachinery, technological tooling, means of design, mechanization, automationand control, technological processes of engineering production, the means of their technology, instrumentation, metrology , diagnosis, information and management.

**Features of the curriculum**: The curriculum has a basical and variable part. The content of the basic (obligatory) disciplines (modules) allowsstudentstoget in-depth knowledge and skills for a successful career. Variable (profile) part make sit possible to expand and deepenthe competencies and includes professional module subjects: (metal cutting machines, cutting tools, technological tooling, processes and operations of formation, physical and thermal phenomena in formation processes). The curriculum provides design and technological preparation, knowledge of modern CAD / CAM / CAE-programs, thestudy of all major types of technological processes of engineering production.

**The list of enterprises for practical training and employment of graduates**: Teaching practice of studentsis carried out after the first course, practical trainingis carried out after the second and third year of studying, pre-diploma practiceis in the fourth year.

Companies for practical training and employment: Research Institute of Atomic Reactors, Zenit-himmash, Dimitrovgrad Auto Aggregate Plant “DAAZ”, Sosny Research and Development Company and etc.