

**Degree Programme: MECHANICAL ENGINEERING AND TECHNOLOGIES**  
**ECTS code: MTT**

**Qualification awarded:** BEng

**Education forms:** Part-time

**Term of education:** 4 years – for BEng,

**Final examination:** development and public defense of a diploma project

**Admission requirements:** according to the university regulations

**Access to further studies:** Successfully graduated BEng qualification awarded students are able to continue education in MEng qualification awarded by specialty in universities according to the university regulations.

**Programme importance:** In recent years, there has been a sharp increase in the demand for specialists with degrees in "Mechanical Engineering and Technologies". This is explained by the revival of mechanical engineering production in Bulgaria and the increased interest of foreign mechanical engineering companies in the Bulgarian market.

**General characteristics of the education:** During the training, students studying at the Bachelor's Degree Program acquire knowledge and skills, in addition to fundamental disciplines such as "Mathematics"; "Physics"; "Chemistry" and others, and in a number of specialized engineering disciplines closely related to the specialty "Mechanical Engineering and Technologies". Training is provided related to the design of technological processes for CNC MM, design of metal-cutting machines and tools, as well as technological equipment for mechanical engineering. Students receive in-depth knowledge of the operation and repair of production equipment and automation and engineering design of mechanical engineering production. Training and professional training in the field of materials science, metal casting, welding and plastic processing of materials is intensified.

**Educational and professional goals:** The engineer who has graduated in the specialty "Mechanical Engineering and Technologies" acquires knowledge of all sectors of the mechanical engineering industry - the design of technological processes for CNC MM, the design of metal-cutting machines and tools, as well as technological equipment for mechanical engineering equipment, the operation and repair of production equipment, automation and engineering design of mechanical engineering production, metal casting, welding and plastic processing of materials, etc.

General engineering training in the fundamental disciplines included in the professional direction module 5.1 Mechanical Engineering, area 5. Technical Sciences.

Specialized disciplines providing a full range of knowledge necessary for the engineer with the specialty "Mechanical Engineering Equipment and Technologies" in the various spheres of the mechanical engineering industry.

**Employment of the graduates:** An engineer with a degree in "Mechanical Engineering and Technologies" finds employment as a managerial or executive in the mechanical engineering industry. They can also work as technologists, designers, adjusters and operators of production equipment in various branches of the domestic industry, etc.