BURGAS STATE UNIVERSITY

"PROF. DR. ASSEN ZLATAROV"

Aproved:

RECTOR: .....

/Prof. S. Sotirov PhD/

QUALIFICATION CHARACTERISTIC

of the specialist with professional qualifications

" TRANSPORT VEHICLES AND TECHNOLOGIES ENGINEER"

Field of higher education: **5. TECHNICAL SCIENCES**

Professional field: **5.5. TRANSPORT, SHIPPING AND AVIATION**

Specialty: **TRANSPORT VEHICLES AND TECHNOLOGIES**

Educational and qualification degree: **BACHELOR**

Professional qualification: **TRANSPORT VEHICLES AND TECHNOLOGIES ENGINEER**

Burgas, 2026.

This qualification characteristic defines the goals, purpose and requirements for the Bachelor in the specialty **"Transport vehicles and technologies "** from the professional field 5.5 "TRANSPORT, SHIPPING AND AVIATION" in full compliance with the Higher Education Act and the state requirements.

Objectives of the specialty

The objective of the specialty "Transport vehicles and technologies" is to train qualified engineers to solve problems in the field of transport engineering and technology.

The Bachelor in "Transport vehicles and technologies" can to manage and participate at a high professional level in the technologies for production, repair, technical operation and management of equipment for the transport of various types of cargo, incl. liquid cargo and gases.

Bachelors are trained as specialists in activities related to:

- construction, design, research, analysis and innovation policy;
- production, testing, quality assessment, installation and adjustment, service and repair;
- training and qualification in the field of engineering and technologies in transport;
- work in all positions requiring higher education in the public and private sector, in companies such as: research, design; technological units, consulting and trading companies, companies in the field of transport, mechanical engineering, agricultural mechanization, energy, ecology, transportation of oil and gas and other areas requiring the use of transport equipment and technologies.

1. Form and duration на обучение

The form of education is full-time and part-time with a duration of 8 /eight/ semesters (240 credits), four years.

2. Forms of admission

Admission is with an exam or with a grade from the state matriculation exam and with a diploma for completed secondary education.

3. Forms of completion

The training of the bachelors in " Transport vehicles and technologies " ends with a state exam or a Bachelor thesis.

4. Knowledge, Skills and competencies

During their studies, the Bachelor in Transport vehicles and technologies receive:

1. fundamental and general engineering knowledge and skills in mathematics, physics, informatics, fundamentals of design, materials science, mechanics, electrical engineering and electronics, machine elements, technical safety and others;
2. specific training in internal combustion engines, automotive equipment, hydraulic drive, computer technologies in transport, maintenance and repair of transport equipment, tanks and pressure vessels; technologies in fuel transport, technologies for limiting harmful emissions, etc.;

3. skills and competences in terms of specific problems and objects related to equipment and technologies in transport, formed through elective disciplines in the field of dynamics of transport systems; operation and safety of transport, electronic systems in transport equipment; electric vehicles; technologies for control of oil and gas pipelines and equipment, etc.

The training is conducted in laboratories equipped with modern measuring, computer and information equipment, Internet access, licensed software products for simulation and analysis of technical systems of engines and elements of automotive equipment, as well as in automotive service and practical bases.

5. Career Opportunities

Graduates of the specialty " Transport vehicles and technologies", "Bachelor", can realize as managers and specialists in transport companies, production, construction and design companies in transport and other companies in the field of economics. They can continue their education in the "Master" degree and participate in various forms of continuing education throughout their lives.

Adopted by the FS of the FTN on 12.11.26 / № 43
Adopted by the Academic Council on 19.11.26 / № 69
Updated by the FS of the FTN on ___
Updated by Academic Council on ___