

EDUCATIONAL AND PROFESSIONAL PROGRAM DESCRIPTION

Specialty 142 Energy Engineering

Educational-Professional Program – "Internal Combustion Engines"

The Educational-Professional Program "Internal Combustion Engines" aims to provide a comprehensive education in the field of internal combustion engines, installations, and technical operation. This educational program aims to create competitive professionals capable of addressing contemporary societal challenges. We aspire to prepare well-rounded, socially active, creative, highly qualified, mobile professionals who are capable of self-development and self-improvement. Our program is designed to cultivate interest in various aspects of the theory, design, engineering, diagnostics, and operation of internal combustion engines. Education is based on a full secondary education with a volume of 240 ECTS credits (European Credit Transfer System), with a duration of 3 years and 10 months leading to the qualification of a junior bachelor's degree of professional level – 180 ECTS credits, provided they acquire the corresponding competencies, with a duration of education of 2 years and 10 months.

Upon completion of the bachelor's degree, there is an opportunity for further education in the "Internal Combustion Engines" educational program at the same institution to obtain a master's degree.

Keywords: internal combustion engine, operation, design, IC engine installations.