

Code and title of speciality (programme subject area): 275 “Transport technology (by type)”

Under the programme: 275.03 “Transportation and Transport Management (Industrial Transport)”

Code and title of the field of study: 27 “Transport Services”

Qualification: research engineer

Number of credits: 90 ECTS credits

Level of higher education: the second (master) corresponds to the seventh level of qualification of the National Qualifications Framework in Ukraine;

Requirements to the previous education level: a person has the right to acquire the master level in case he/she has obtained bachelor or specialist level in any speciality and is inclined to research (creative), scientific and educational or organizational activity.

Qualification requirements: higher education document is issued to a person who has successfully completed the educational programme and has been attested. Final attestation is carried out by evaluating the degree of maturity of competences. The form of attestation is defence of master’s thesis.

Programme learning outcomes: using statistic data and professional information sources with the help of marketing methods for determining market segments and regulations within a research department or industrial enterprise transportation to set transport market segments and their main characteristics; to use information on freight traffic in transport network, and reference information about freights and transportation customers, using regulations and procedures set forth in professional literature within a planning department to choose models and calculate the approximate amount of rolling stock and handling mechanisms; using the selected type of transportation, information about freight consignor and consignee, background information on freight and transport companies with the help of methods described in professional literature, regulations, using software packages and taking into account political and economic conditions of transit within a transportation department to choose the route of freight delivery; on the basis of market research, using data on cost and performance properties of the rolling stock and vehicles with the help of approved regulations and reference materials in terms of choice of work organization technology to justify economic feasibility of use of the rolling stock; using freight examination materials with certain techniques within a structural department of transport enterprise to determine the number of warehouses and their deployment in transport network; using the contract for transportation services with regulations of existing methods and technical means to carry out execution of necessary customs documents; using the planned tasks with appropriate corresponding rules and methods within a company to distribute tasks among workers and bring them to performers; using classifiers and information retrieval systems in terms of relevant department to search for information concerning the research object; using methods of mathematics, professional literature and logical analysis to evaluate reliability of selected information about the research object and draw conclusions, goals and objectives of the research; based on the analysis of literature, information about the real research object with the help of certain methods to establish its internal and external communications, to classify as a mathematical model; using knowledge of the research object to formalize description of its model, goals and objectives of research in mathematical terms; based on the model using methods of probability theory, mathematical statistics, operations research to perform quality assessment of the model, to solve research problems and draw conclusions; using reference books, grammatical and lexical materials to be able to read, understand, retell, annotate the text written in a foreign language; using the language skills to speak a foreign language with companion on business, social, scientific and technical topics.

Employment prospects: Master in speciality 275 “Transport technology (by type)” under the programme 275.03 “Transportation and Transport Management (Industrial Transport)” is prepared for organizing transportation of freights and passengers by road transport, managing transport departments of enterprises of automobile transport, providing interrelations of all types

of transport and organizing customer service by providing a wide range of services; in research institutions. Initial positions that may be hold: supervisory operator-instructor of traffic services, transportation engineer, engineer of systems service and management, regular of traffic services, research engineer.

Further study prospects: Master in speciality 275 “Transport technology (by type)” under the programme 275.03 “Transportation and Transport Management (Industrial Transport)” may continue postgraduate studies in specialities: 05.22.01 “Transport Systems”, 05.22.07 “Railway Rolling Stock and Train Traction”, 05.22.12 “Industrial transport”, 05.22.20 “Maintenance and Repair of Transport”.

Department graduating a student with degree: Department of Logistics Management and Transport Safety

Institute/Faculty: Institute of Transport and Logistics

Educational programme supervisor: Professor, PhD in Technology Chernetska-Biletska N.B., chernekaya_nb@mail.ru; 0507453630