

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

**Under the programme:** 275.03 “Transportation and Transport Management (Railway 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:** based on knowledge of theory of freight transportation using characteristics of freight traffics and planned targets of service to determine requirements to the technological process of transportation; using analysis of freight forwarding services with the help of methods described in professional literature, software and reference information, within an enterprise planning department to make oriented calculations of prospective freight traffics in the transport network; using information about the route of delivery and reference information about freight and transport companies with the help of regulations given in professional literature within transportation departments to choose potential participants of freight delivery; 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 plan targets with the help of regulations of existing methods and technical means in terms of enterprise to provide consulting services, marketing research on the conjuncture of transport markets, etc.; using order to obtain information, reference books and reports on plan targets performance with regulations, existing methods, technical means and information systems of different transport types and countries within a transportation department to search, receive and transfer information for other purposes; based on the agreement of expedition with regulations within a department to perform charter of vehicles.

**Employment prospects:** Master in speciality 275 “Transport technology (by type)” under the programme 275.03 “Transportation and Transport Management (Railway Transport)” may hold positions of traffic safety engineer, forwarding agent, agent in freight transfer on border station, supervisory operator-instructor of traffic service, railway transport engineer, regular of traffic service.

**Further study prospects:** Master in speciality 275 “Transport technology (by type)” under the programme 275.03 “Transportation and Transport Management (Railway Transport)” may continue postgraduate studies in specialities: 05.22.07 “Railway Rolling Stock and Train Traction”, 05.22.08. “Traffic Control Process”, 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., [cherneckaya\\_nb@mail.ru](mailto:cherneckaya_nb@mail.ru); 0507453630