



Ministry of Education and Science of Ukraine
National Transport University

Vocational Teachers Training at National Transport University

Reporters:
Mykola Dmytrychenko,
Oleksandr Hryshchuk,
Nataliia Bondar,
Khalidakhon Bakhtiarova,
Danylo Savostin-Kosiak.

Co-funded by the
Erasmus+ Programme
of the European Union

The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.



National Transport University is a state higher education and scientific institution, established in 1944.

Faculties:

- ✓ The Faculty of Automotive and Mechanical Engineering;
- ✓ The Faculty of Transport Construction;
- ✓ The Faculty of Transport and Information Technologies;
- ✓ The Faculty of Economics and Law;
- ✓ The Faculty of Management, Logistics and Tourism.

Educational Centers:

- ✓ The Center for Correspondence and Distance Learning;
- ✓ The Center for Advanced Training, Retraining, Professional Development of Managerial Personnel and Specialists;
- ✓ The Center for International Education;
- ✓ Center of Information Technology;
- ✓ The Research Institute for Transport and Construction Technologies.





The University structure

Colleges:

- ✓ NTU College of Transport and Construction in Bar;
- ✓ NTU College in Nadvirna;
- ✓ Zhytomyr Automobile and Road College;
- ✓ State Higher Education Institution of NTU “Kyiv Transport and Economics College”;
- ✓ Lviv Higher Vocational School of Transport Technologies and Service.



Training programs of the university

No	Code and name of specialty		No	Code and name of specialty	
1.	015	<i>Professional Education (Transport)</i>	16.	142	Power Engineering
2.	022	Design	17.	152	Metrology and information-measuring technique
3.	029	Information, library and archival affairs			
4.	035	Philology	18.	192	Construction and civil engineering
5.	051	Economy	19.	193	Geodesy and land management
6.	071	Accounting and taxation	20.	194	Hydrotechnical construction, water engineering and water technologies
7.	072	Finance, Banking and Insurance			
8.	073	Management	21	274	Automobile transport
9.	075	Marketing	22.	275	Transport technologies (on motor transport)
10.	081	Law			
11.	101	Ecology	23.	076	Entrepreneurship, trade and stock-taking activities
12.	121	Software Engineering			
13.	131	Applied mechanics	24.	124	System analysis
14.	132	Materials science	25.	183	Environmental protection technologies
15.	133	Sectoral engineering	26.	242	Tourism
			27.	122	Computer Sciences



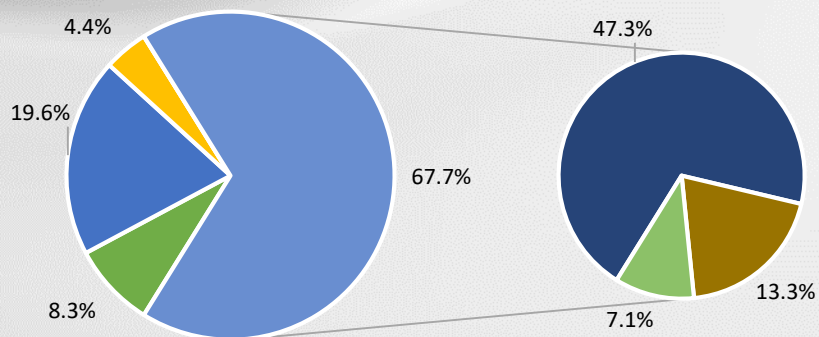
Employment prospects

- ✓ Vocational school teacher;
- ✓ University teacher;
- ✓ Technical trainer at the automotive service station training center.
- ✓ Engineer-mechanic;
- ✓ Technical specialist at the transport industry;
- ✓ Engineer of operation and repair organization;
- ✓ Junior research fellow in the transport industry;
- ✓ Scientific and technical information engineer;
- ✓ Specialist of the human resource training and retraining department at the automotive enterprise.



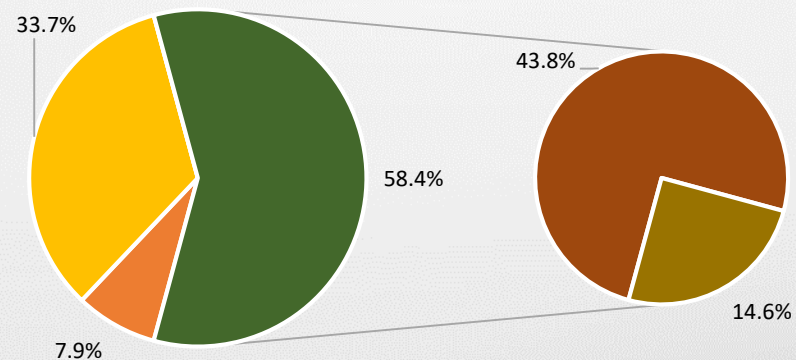
Educational program features

Distribution of study time between disciplines for bachelor's training program



- Humanitarian and socio-economic disciplines
- Natural sciences and fundamental disciplines
- Practical training
- Professional disciplines:
 - - technical
 - - pedagogical
 - - psychological

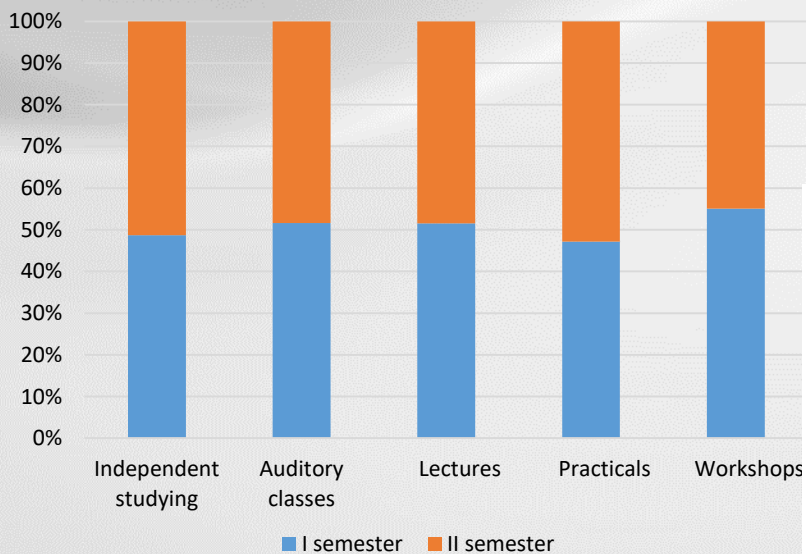
Distribution of study time between disciplines for master's training program



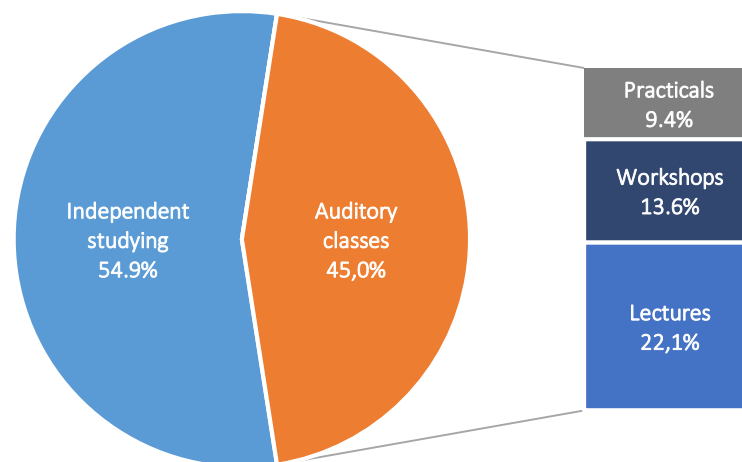
- Humanitarian and socio-economic disciplines
- Practical training
- Professional disciplines:
 - - technical
 - - pedagogical

Educational program features

Distribution of study time by semesters



Ratio between auditory classes and independent studying



The University laboratories





Practical training locations





Problems at vocational teacher training

Student's motivation to learn

Most students choose the specialty on the recommendations of their parents or by random, without clear understanding of its characteristics and prospects

Lecturers' professional development

The pace of scientific and technological progress requires constant updating and actualization of educational content and educating methods

Inconsistencies between the volume of educational material and studying time

Future teachers must be fluent in both pedagogical technologies and engineering knowledge. Therefore, a significant part of the material is devoted to independent studying

Level of IT technologies usage at educational process

Nowadays, there is much easier to gather students for consultation at the social network than in classroom





Potential solutions

- ✓ Improving the quality of vocational guidance work to increase the students' motivation to learn
- ✓ Increasing the level of social partnership with business representatives
- ✓ Increasing the level of multimedia and information technology implementation into the educational process





Project expectations

- ✓ Studying the leading experience in organizing students' independent work and the teachers' qualifications development
- ✓ Increasing the role of e-learning in vocational teachers training process
- ✓ Improving approaches in motivation students to learn
- ✓ Outlining the ways of quality improvement of vocational teachers training
- ✓ Defining the conceptual ways of dual education implementing for vocational teachers training in the transport industry





THANK YOU
FOR YOUR ATTENTION

