Learning outcomes of the specialist professional graduate study Transport

1. Apply basic network planning methods in project management
2. Apply appropriate algorithms and models in transport network analysis and optimization
3. Select information technology and software to address specific transport system problems
4. Evaluate the application of ITSs in a real transport system
5. Assess key performance indicators of transport systems
6. Select appropriate managerial and marketing approaches in the management of complex transport projects or transport systems
7. Make business decisions respecting the basic principles of business and engineering ethics and socially responsible business operations
8. Apply international, European, and national legislation in the implementation of technological and service processes in the field of transport
9. Use optimization methods for technological processes in transport
10. Create models of exploitation and maintenance of technical equipment in the transport system
11. Manage logistics and organizational systems in the field of transport
12. Select transport models and methods when designing a transport plan
13. Plan road/railroad transport infrastructure solutions based on traffic research results
14. Propose solutions for transport system planning based on sustainable development principles
15. Select safety elements when planning and designing road/railroad transport infrastructure elements
16. Recommend measures to improve road/railroad transport safety
17. Design and conduct training of entities in the field of road/railroad transport with an emphasis on prevention in transport
18. Prepare a more complex professional project in the field of road/railroad transport
19. Manage communication and collaboration processes in different social groups in the field of transport
20. Assess the applicability of modern development trends in the field of transport