

"Todor Kableshkov" University of Transport

Faculty: Machinery and Construction Technologies in Transport

Programme: Engineering Logistics and Building Machines

Degree: Master's Degree for Graduates with Professional Bachelor Degree

Mode of study: Part time

Duration of study: 2.5 years

| No | Code | Course | Total contact hours (Hours of lectures and seminars) | ECTS credits |
|---------------------------|------|---|--|-----------------|
| <i>Compulsory courses</i> | | | | |
| 1 | 813 | Mathematics part III | 30 | 6 |
| 2 | 907 | Theoretical Mechanics part II | 30 | 6 |
| 3 | 902 | Strength of Materials | 53 | 7 |
| 4 | 653 | Machines and Systems for Continuous Transport | 38 | 5 |
| 5 | 661 | Information and Control Systems of Material Handling and Construction Equipment | 38 | 6 |
| 6 | 903 | Theory of Mechanisms and Machines | 30 | 5 |
| 7 | 1013 | Metrology and Measurement Equipment | 30 | 4 |
| 8 | 670 | Control Systems of Material Handling and Construction Machines | 45 | 7 |
| 9 | 664 | Material Handling Manipulators and Robots | 38 | 7 |
| 10 | 665 | Maintenance of Material Handling and Construction Equipment | 30 | 7 |
| 11 | 833 | Mathematical Methods in Engineering | 30 | 5 |
| 12 | 834 | Probability Theory and Statistics | 38 | 5 |
| 13 | 1003 | Computer-aided Design and Construction | 53 | 7 |
| 14 | 678 | Dynamics of Material Handling and Construction Machines | 30 | 5 |
| 15 | 679 | Special Machines for Civil Engineering | 38 | 5 |
| 16 | 680 | Special Machines for Civil Engineering - make a project | 0 | 3 |
| 17 | 681 | Modelling and Optimization of Industrial Logistics Systems | 38 | 5 |
| 18 | 682 | Machines for Multimodal, Intermodal and Cargo Terminals | 45 | 7 |
| 19 | 683 | Automation of Material Handling and Civil Engineering Equipment | 38 | 5 |
| 20 | 684 | Metal Structures of Material Handling and Civil Engineering Equipment | 38 | 5 |
| 21 | 685 | Reliability of Material Handling and Civil Engineering Equipment | 30 | 5 |
| 22 | 686 | Modelling and Optimization of Industrial Logistics Systems - make a project | 0 | 3 |
| <i>Elective courses</i> | | | | |
| <i>Optional courses</i> | | | | |