

# "Todor Kableshkov" University of Transport

Faculty: Machinery and Construction Technologies in Transport

Programme: Automotive Expertise

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

Mode of study: Full time

Duration of study: 1.5 years

| No                        | Code | Course  | Total contact hours<br>(Hours of lectures<br>and seminars) | ECTS<br>credits |
|---------------------------|------|---|--|-----------------|
| <i>Compulsory courses</i> |      |   |  |                 |
| 1                         | 971  | Mechanical-Mathematical Modelling for Engineering Research                                      | 60   | 5               |
| 2                         | 972  | Selected Topics in Mechanics  | 75   | 6               |
| 3                         | 242  | Automotive Theory and Design  | 75   | 6               |
| 4                         | 974  | Dynamics and Vibrations of Vehicles   | 75   | 6               |
| 5                         | 2210 | Traffic Accident Injuries   | 60   | 5               |
| 6                         | 2211 | Technical expert analysis   | 105  | 9               |
| 7                         | 2412 | Organization and safety of road traffic   | 45   | 3               |
| 8                         | 2212 | Modern car management and safety systems  | 75   | 6               |
| 9                         | 2213 | Specialized legislation in the field of investigation of road transport accidents               | 60   | 5               |
| 10                        | 2214 | Technical condition of the car and cause-and-effect relationship with a road transport accident | 75   | 6               |
| 15                        | 2223 | Development and defense of a thesis   | 0  | 15              |
| <i>Elective courses</i>   |      |   |  |                 |
| 11.1                      | 2215 | Specialized PBX   | 45   | 3               |
| 11.2                      | 2216 | Dangerous goods   | 45   | 3               |
| <i>Optional courses</i>   |      |   |  |                 |
| 12                        | 1418 | Rhetoric  | 45   | 3               |
| 13                        | 744  | Foreign language with a specialized module - Part I   | 45   | 3               |
| 14                        | 745  | Foreign language with a specialized module - Part II  | 45   | 3               |