

"Todor Kableshkov" University of Transport

Faculty: Machinery and Construction Technologies in Transport

Programme: Automotive Engineering

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 (Hours of lectures and seminars) | ECTS credits |
|---------------------------|------|--|--|-----------------|
| <i>Compulsory courses</i> | | | | |
| 1 | 833 | Mathematical Methods in Engineering | 60 | 5 |
| 2 | 942 | Stress and Deformation Analysis | 60 | 5 |
| 3 | 242 | Automotive Theory and Design | 90 | 7 |
| 4 | 116 | Computer-aided Design Systems | 105 | 8 |
| 5 | 212 | Design, Construction, Standardization and Technology in Automotive Manufacturing | 60 | 5 |
| 6 | 240 | Engineering Experiment: Measurement and Analysis | 90 | 7 |
| 7 | 205 | Vehicle Dynamics | 75 | 6 |
| 8 | 209 | Automatic Transmissions and Regenerative Devices | 75 | 6 |
| 9 | 221 | Strength and Durability of Automotive Equipment | 75 | 5 |
| 10 | 264 | Automotive Engineering - make a project | 0 | 2 |
| 14 | 2223 | Development and defense of a thesis | 0 | 15 |
| <i>Elective courses</i> | | | | |
| 11.1 | 213 | Alternative Automotive Engines and Systems | 60 | 4 |
| 11.2 | 214 | Automotive Aerodynamics, Design and Ergonomics | 60 | 4 |
| 11.3 | 164 | Management and Marketing | 60 | 4 |
| <i>Optional courses</i> | | | | |
| 12 | 744 | Foreign language with a specialized module - Part I | 45 | 3 |
| 13 | 745 | Foreign language with a specialized module - Part II | 45 | 3 |