

"Todor Kableshkov" University of Transport

Faculty: Machinery and Construction Technologies in Transport

Programme: Railway 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 | 206 | Railway Equipment Theory and Design | 90 | 8 |
| 4 | 116 | Computer-aided Design Systems | 105 | 8 |
| 5 | 218 | Strength and Durability of Railway Equipment | 60 | 5 |
| 6 | 240 | Engineering Experiment: Measurement and Analysis | 105 | 8 |
| 7 | 100 | Traffic Safety | 75 | 5 |
| 8 | 273 | Computer-aided Design of Transport Equipment | 60 | 4 |
| 9 | 164 | Management and Marketing | 60 | 5 |
| 10 | 230 | Railway Equipment Dynamics | 75 | 6 |
| 11 | 265 | Railway Equipment - make a project | 0 | 2 |
| <i>Elective courses</i> | | | | |
| <i>Optional courses</i> | | | | |
| | 717 | English for Special Purposes part II | 45 | 3 |
| | 714 | English for Special Purposes part I | 45 | 3 |