"Todor Kableshkov" University of Transport

Faculty: Machinery and Construction Technologies in Transport

Programme: Internal Combustion Engines
Degree: Bachelor
Mode of study: Part time
Duration of study: 4.0 years

No	Code	Course	Total contact hours (Hours of lectures and seminars)	ECTS credits
Compulsory courses				
1	872	Mathematics	38	7
2	1207	Chemistry	23	6
3	715	Foreign Language - English, German, French, Russian	38	6
4	702	Economics	23	5
5	1201	Material Science and Technology	30	6
6	882	Applied Mathematics	38	7
7	1125	Physics	23	6
8	821	Informatics	30	6
9	906	Theoretical Mechanics part I	30	6
10	1011	Applied Geometry and Engineering Drawing I	23	5
11	1012	Applied Geometry and Engineering Drawing II	23	5
12	907	Theoretical Mechanics part II	30	5
13	902	Strength of Materials	38	5
14	278	Heat Transfer Equipment	23	5
15	1002	Computer Drawing for Engineers	23	5
16	1222	Welding	3	1
16	1225	Turnery	3	1
16	1223	Thermal Treatment	3	1
16	1224	Locksmith	3	1
16	1221	Casting	3	1
17	903	Theory of Mechanisms and Machines	30	5
18	1116	Electrical Engineeing and Electronics	30	6
19	908	Fluid Mechanics	23	5
20	1008	Machine Elements	38	8
21	1009	Machine Elements - make a project	0	2
22	1205	Mechanical Engineering Technologies	23	5
23	602	Theory Piston Internal Combustion Engines-part 1	38	7
24	672	Piston Engines with Internal Combustion part I - make a project	0	2
25	690	Hydraulic and Pneumatic Drives and Equipment	23	5
26	648	Computer-aided Design Systems	30	6
27	201	Technical Safety and Ecology	23	5
28	611	Theory of Piston Internal Combustion Engines - part2	38	7
29	636	Piston Engines with Internal Combustion part II - make a project	0	2
30	637	Fuel Systems of Internal Combustion Engines	30	5
31	638	Systems of Internal Combustion Engines	30	6
32	673	Automated Control of Internal Combustion Engines	23	5
33	642	Gas Turbine Engines	38	8

34	643	Gas Turbine Engines - make a project	0	2
35	6600	Technical Exploitation of Internal Combustion Engines	30	6
36	6669	Diagnosis and testing of DVG	38	8
37	649	Internal Combustion Engines Repair	38	8
38	703	Economic History	23	4
Elective courses				
39	6688	Educational and production practice in a transport company	15	1
41.1	1013	Metrology and Measurement Equipment	23	4
41.2	1018	Interchangeability and standardization	23	4
42.1	650	Material Handling and Construction Equipment	23	5
42.2	6660	Loading and unloading equipment	23	5
43.1	2201	Basic machines of transport equipment	30	6
43.2	219	Transport Equipment	30	6
44.1	6601	Implementation of Internal Combustion Engines	30	4
44.2	667	Transmission Systems	30	4
45.1	1212	Car Exploitation Materials	30	4
45.2	203	Environmental safety	30	4
Optional courses				
46	827	Mathematical processing programs	23	5
47	718	Specialized Course in a Foreign Language	23	5
48	6699	Educational and production practice in a repair company	0	0