

"Todor Kableshkov" University of Transport

Faculty: Machinery and Construction Technologies in Transport

Programme: Computer Aided Design in Mechanical 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	270	Theory of Computer-aided Design of Machines and Equipment	45	4
2	116	Computer-aided Design Systems	105	8
3	835	Applied Mathematics	75	6
4	941	Dynamic Analysis Methods	45	4
5	271	Computer-aided Quality Control	60	4
6	574	Object-Oriented Programming	45	4
7	942	Stress and Deformation Analysis	60	4
8	943	Finite Element Method	60	4
9	119	Product Data Management	45	4
18	2223	Development and defense of a thesis	0	15
<i>Elective courses</i>				
10.1	146	Computer-aided Design of Technological Processes	60	4
10.2	272	Transport Equipment Theory and Design	60	4
11.1	1211	Computer-aided Design of Working Tools	60	4
11.2	273	Computer-aided Design of Transport Equipment	60	4
12.1	1204	Computer Numerical Control Machines	45	4
12.2	274	Transport Equipment Durability	45	4
13.1	172	Automated Programming Systems for Computer Numerical Control Machines	45	4
13.2	275	Modelling and Testing of Transport Equipment	45	4
14.1	171	Computer-aided Design of Technological Process - make a project	0	2
14.2	276	Computer-aided Design of Transport Equipment - make a project	0	2
<i>Optional courses</i>				
15	744	Foreign language with a specialized module - Part I	45	3
16	745	Foreign language with a specialized module - Part II	45	3
17.1	1206	Mechanical Engineering Technologies part II	60	4
17.2	277	Transport Equipment	60	4