

"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
<i>Elective courses</i>				
	146	Computer-aided Design of Technological Processes	60	4
	274	Transport Equipment Durability	45	4
	172	Automated Programming Systems for Computer Numerical Control Machines	45	4
	272	Transport Equipment Theory and Design	60	4
	276	Computer-aided Design of Transport Equipment - make a project	0	2
	1204	Computer Numerical Control Machines	45	4
	273	Computer-aided Design of Transport Equipment	60	4
	171	Computer-aided Design of Technological Process - make a project	0	2
	275	Modelling and Testing of Transport Equipment	45	4
	1211	Computer-aided Design of Working Tools	60	4
<i>Optional courses</i>				
	717	English for Special Purposes part II	45	3
	1206	Mechanical Engineering Technologies part II	60	4
	714	English for Special Purposes part I	45	3
	277	Transport Equipment	60	4