

**TODOR KABLESHKOV UNIVERSITY OF TRANSPORT**

**FACULTY OF MACHINERY AND CONSTRUCTION TECHNOLOGIES IN TRANSPORT**

Programme: **Automated Design for Manufacturing**

Degree: **Master**

Professional Qualification: **Master of Engineering**

Mode of Study: **Full-time**

Duration of Study: **One and a half years**

№	Code	Subject	Duration	Contact Hours	ECTS Credits
1	2	3	4	5	6
		<b>Compulsory</b>			
1	270	Theory of Computer-aided Design of Machines and Equipment	1S	45	4
2	116	Computer-aided Design Systems	1S	105	8
3	835	Applied Mathematics	1S	75	6
4	941	Dynamic Analysis Methods	1S	45	4
5	271	Automated Quality Control	1S	60	4
6	574	Object-oriented Programming	1S	45	4
7	942	Stress and Deformation Analysis	1S	60	4
8	943	Finite Element Method	1S	60	4
9	119	Product Data Management	1S	45	4
		<b>Elective</b>			
10.1	146	Automated Design of Technological Processes	1S	60	4
10.2	272	Transport Equipment Theory and Design	1S	60	4
11.1	1211	Computer-aided Design of Working Tools	1S	60	4
11.2	273	Computer-aided Design of Transport Equipment	1S	60	4
12.1	1204	Computer Numerical Control Machines	1S	45	4
12.2	274	Transport Equipment Durability	1S	45	4
13.1	172	Automated Programming Systems for Computer Numerical Control Machines	1S	45	4
13.2	275	Modelling and Testing of Transport Equipment	1S	45	4
14.1	171	Project in Automated Design of Technological Process	1S		2
14.2	276	Project in Computer-aided Design of Transport Equipment	1S		2
		<b>Optional</b>			
15	714	English for Special Purposes I	1S	45	3
16	717	English for Special Purposes II	1S	45	3
17	1206	Mechanical Engineering Technologies II	1S	60	4
18	277	Transport Equipment	1S	60	4
		<b>Master Thesis</b>	1S		30

S - Semester