

Programme: **Engineering Logistics and Building Machines**

Degree: **Bachelor**

Professional Qualification: **Mechanical Engineer**

Mode of Study: **Full-time**

Duration of Study: **Four years**

№	Code	Subject	Duration	Contact Hours	ECTS Credits
1	2	3	4	5	6
		<b>Compulsory</b>			
1	811	Mathematics I	1S	75	7
2	1207	Chemistry	1S	45	4
3	715	Foreign Language	1S	90	6
4	702	Economics	1S	60	4
5	1201	Material Science and Technology	1S	105	9
6	812	Mathematics II	1S	75	7
7	1114	Physics	1S	90	7
8	821	Informatics	1S	90	7
9	1011	Applied Geometry and Engineering Drawing I	1S	45	3
10	906	Theoretical Mechanics I	1S	60	6
11	813	Mathematics III	1S	60	6
12	907	Theoretical Mechanics II	1S	60	6
13	1012	Applied Geometry and Engineering Drawing II	1S	45	3
14	902	Strength of Materials	1S	105	7
15	278	Heat Transfer Equipment	1S	60	5
16	147	Transport and Logistics	1S	45	3
17	903	Theory of Mechanisms and Machines	1S	60	5
18	1116	Electrical Engineering and Electronics	1S	90	6
19	1013	Metrology and Measurement Equipment	1S	60	4
20	908	Fluid Mechanics	1S	60	5
21	1008	Machine Elements	1S	105	8
22	1009	Machine Elements Project	1S		2
23	1205	Mechanical Engineering Technologies	1S	75	5
24	645	Mechanization and Automation of Material Handling Processes in Transport	1S	90	7
25	657	Civil Engineering Machines and Systems	1S	75	7
26	627	Hydraulic and Pneumatic Drives of Material Handling and Construction Equipment	1S	90	7
27	628	Technical Safety of Material Handling and Construction Equipment	1S	45	4
28	670	Control Systems of Material Handling and Construction Machines	1S	90	6
29	703	Economic History	1S	45	3
30	641	Electric Drive and Automatic Control of Material Handling and Construction Equipment	1S	90	7
31	655	Industrial Logistics: Material Handling Machines, Processes and Systems	1S	105	7
32	658	Industrial Logistics: Material Handling Machines, Processes and Systems Project	1S		3
33	653	Machines and Systems for Continuous Transport	1S	75	5
34	631	Building and Road Construction Machines	1S	90	6
35	660	Industrial Logistics: Loading/Unloading Equipment	1S	75	5
36	661	Information and Control Systems of Material Handling and Construction Equipment	1S	75	5
37	662	Project in Building and Road Construction Machines	1S		3
38	656	Technical Maintenance of Material Handling and Construction Equipment	1S	75	7
39	663	Railway Construction Equipment	1S	90	7
40	664	Material Handling Manipulators and Robots	1S	75	7

41	665	Maintenance of Material Handling and Construction Equipment	1S	60	6
42	666	Project in Railway Construction Equipment	1S		3
43	719	Physical Education and Sports	4S	120	
		<b>Elective</b>			
44.1	346	Transport Infrastructure	1S	45	4
44.2	675	Internal Factory Transport	1S	45	4
45.1	248	Basic Machinery of Material Handling and Construction Equipment	1S	60	6
45.2	676	Storage Processes and Systems	1S	60	6
		<b>Optional</b>			
46	677	Computer-aided Design of Material Handling and Construction Equipment	1S	75	5
		<b>Practical Training</b>			
47		Practice in Material Processing	2W	60	2
48		Internship in a Maintenance Company for Material Handling Equipment	2W	60	2
49		Internship in a Maintenance Company for Construction Equipment	2W	60	2
		<b>State Examination</b>			10

S - Semester  
W - Week