

**UNIVERSITY OF RUSE "ANGEL KANCHEV"
BULGARIA**

FACULTY OF TRANSPORT ENGINEERING

Curriculum: TRANSPORT MANAGEMENT AND TECHNOLOGY (Bachelor program)

Subject	Year/ Semester	Lessons per week	Degree	Evaluation form	ECTS
Bachelor's Program					
Mathematics 1	1/1	3lec+0sem+0lab s+2ps+ca	B	e	6
Informatics 1	1/1	1lec+0sem+0lab s+2ps+ca	B	T	5
Material Science	1/1	3lec+0sem+2lab s+0ps	B	e	6
Chemistry and Exploitation Materials	1/1	2lec+0sem+2lab s+0ps+p	B	e	4
Engineering Graphics	1/1	1lec+0sem+0lab s+3ps+cw	B	e	5
English 1	1/1	0lec+0sem+0lab s+4ps	B	T	4
Informatics 2	1/2	2lec+0sem+0lab s+1ps+ca	B	T	3
Structure of Engines and Transport Engineering	1/2	0lec+0sem+0lab s+6ps+ca	B	e	7
Mathematics 2	1/2	3lec+0sem+0lab s+2ps+ p	B	e	5
Physics	1/2	3lec+0sem+2lab s+0ps	B	e	5
Mechanics 2	1/2	3lec+0sem+2lab s+0ps+cw	B	e	6
English 2	1/2	0lec+0sem+0lab s+3ps	B	T	4
Strength of Materials	2/1	2lec+2sem+0lab s+0ps+ca	B	e	5
Electrical and Electronic Engineering	2/1	3lec+0sem+2lab s+0ps+p	B	e	6
Metrology	2/1	2lec+0sem+1lab s+0ps+ca	B	e	4
Fundamentals of Construction	2/1	2lec+0sem+2lab s+0ps+cw	B	e	7
Basics of Law	2/1	2lec+1sem+0lab s+0ps+p	B	T	4
Management Theory	2/1	2lec+0sem+2lab s+0ps+ca	B	e	4
Transport Engines	2/2	3lec+0sem+3lab s+0ps+cw	B	e	7
Transport Machinery	2/2	4lec+0sem+3lab s+0ps+cw	B	e	8
Economics	2/2	2lec+2sem+0lab s+0ps+p	B	e	5
Heating and Cooling Systems	2/2	3lec+0sem+2lab s+0ps+ca	B	e	5
Materials Handling Machinery and Technologies	2/2	3lec+0sem+2lab s+0ps+cw	B	e	5
Transportation Infrastructure	3/1	2lec+0sem+0lab s+2ps+cw	B	e	6
Technical Exploitation of Transport Vehicles 1	3/1	3lec+0sem+3lab s+0ps+cw	B	e	8
Communication and Security Engineering in Transport	3/1	2lec+0sem+2lab s+0ps+ca	B	e	6

Transportation Flows Theory and Logistics	3/1	3lec+0sem+1lab s+0ps+ca	B	T	5
Financial Accounting and Finance (choose)	3/1	2lec+0sem+0lab s+1ps+ca	B	e	5
Transportation Planning and Forecasting (choose)	3/1	2lec+0sem+0lab s+1ps+ca	B	e	
Intermodal Forms of Transportation	3/2	3lec+0sem+2lab s+0ps+ca	B	e	7
Information Systems and Technologies in Transport	3/2	2lec+0sem+2lab s+0ps+ca	B	e	5
Management and Marketing in Transport	3/2	2lec+0sem+0lab s+2ps+ca	B	e	5
Technical Exploitation of Transport Vehicles 2	3/2	3lec+0sem+2lab s+0ps+cw	B	e	7
Organization and management of the servicing in Transport	3/2	2lec+0sem+2lab s+0ps+cw	B	e	6
Technical Safety	4/1	2lec+0sem+0lab s+0ps	B	T	2
Traffic Safety	4/1	2lec+0sem+2lab s+0ps+ca	B	e	5
Freight-forward Technologies and Organization	4/1	3lec+0sem+0lab s+1ps+cw	B	e	6
Traffic Engineering and Control	4/1	3lec+0sem+3lab s+0ps+cw	B	e	6
Passenger Transport	4/1	2lec+0sem+0lab s+2ps+ca	B	e	5
Commercial Exploitation of Transportation	4/1	3lec+0sem+0lab s+1ps+ca	B	e	6
International Transportation	4/2	4lec+0sem+0lab s+2ps	B	e	4
Self-Study for graduation	4/2				4
Group A					
Transportation Modeling and Optimization Methods	4/2	3lec+0sem+3lab s+0ps	B	e	4
Transport Ecology	4/2	3lec+0sem+3lab s+0ps	B	e	4
Business and Finance Management of a Transport Company	4/2	3lec+0sem+0lab s+3ps	B	e	4
Group B					
Transport System Innovations	4/2	3lec+0sem+0lab s+3ps	B	e	4
Analysis and Reconstruction of Traffic Crashes	4/2	3lec+0sem+0lab s+3ps	B	e	4
Technologies in Vehicle Service	4/2	3lec+0sem+0lab s+3ps	B	e	4
Self-preparation for the Final Project	4/2	0lec+0sem+0lab s+10ps	B	e	4
Bachelor thesis	4/2		B	e	10
Total					240
Master's Program					
Mathematical Modelling and Optimization Methods in Transportation	1/1	3lec+0sem+2lab s+0ps	M	e	5
Transportation systems, Technology and Logistics	1/1	3lec+0sem+2lab s+0ps	M	e	5
Transport Policy and Management	1/1	3lec+0sem+2lab s+0ps	M	e	5
Company Law and Tax Legislation	1/1	1lec+1sem+0lab s+0ps	M	e	5
Economics and Financial Management	1/1	2lec+0sem+0lab s+2ps	M	t	5
Elective Course:					
Maintenance and Service of a Transportation Fleet	1/1	3lec+0sem+2lab s+0ps	M	e	5
Repair and Utilization of Resources in Transport Machinery	1/1	3lec+0sem+2lab s+0ps	M	e	

Mathematical Modelling Technology in Service	1/1	3lec+0sem+2labs+0ps	M	e	
Traffic Engineering and Safety	1/2	4lec+0sem+3labs+0ps	M	e	4
Intelligent Systems in Transport	1/2	4lec+0sem+3labs+0ps	M	e	4
Transport Ecology	1/2	3lec+0sem+3labs+0ps	M	e	3
Business Dynamics of the Transportation Process	1/2	4lec+0sem+3labs+0ps	M	e	4
Master thesis	1/2	0lec+0sem+0labs+0ps	M	e	15
Total					60

Degree: B – Bachelor, M – Master
 e – exam (written and oral),
 t – ongoing assessment
 lec- lecture
 sem- seminar
 labs- laboratory
 ps- practical
 ca, p, sw- a form of independent work