

The undergraduate study programme Transport, the study direction Railway Traffic, is of four academic year duration (eight semesters), upon completion, students acquire a total of 240 ECTS credits.

#### 1st year of study – 1st semester

Number of program	Courses	Hours per week				ECTS credits	Exams
		L	S	E	Pr		
1	Mathematics	4	-	3	-	8	1
2	Physics	2	-	1	-	4	1
3	Graphic communications	2	-	2	-	5	1
4	Fundamentals of informatics	2	-	3	-	5	1
5	Knowledge of goods	2	1	-	-	5	1
6	Foreign language I	2	-	1	-	3	1
7	Physical education			(2)			
	Total in semester	14	1	10	-	30	6

Note:

1) L – lectures, S – seminars, E – exercises, Pr – practicum

2) when enrolling into a foreign language students choose from English, German and Italian

3) Physical education is performed outside of course schedule

#### 1st year of study – 2nd semester

Number of program	Courses	Hours per week				ECTS credits	Exams
		L	S	E	Pr		
8	Spatial and transport planning	2	1	-	-	4	1
9	Modern transport systems	2	2	-	-	6	1
10	Fundamentals of electrical engineering and electronics	2	-	2	-	5	1
11	Statistics in transport	2	-	1	-	4	1
12	Foreign language II	2	-	1	-	4	1
13	Fundamentals of mechanical Engineering	2	-	1	-	4	1
14	Transport and ecology	2	1	-	-	3	1
7	Physical education			(2)			
	Total in semester	14	4	5	-	30	7

#### 2nd year of study – 3rd semester

Number of program	Courses	Hours per week				ECTS credits	Exams
		L	S	E	Pr		
15	Technical mechanics	3	-	2	-	6	1
16	Reloading equipment I	2	1	-	-	4	1
17	Internal transport and storage	2	-	2	-	5	1

18	Operational research in transport	2	-	1	-	4	1
19	Transport corridors and flows of goods	2	2	-	-	4	1
20	Transport logistics	2	1	-	-	4	1
21	Foreign language III	1	-	2	-	3	1
	Total in semester	14	4	7	-	30	7

#### 2nd year of study – 4th semester

Number of program	Courses	Hours per week				ECTS credits	Exams
		L	S	E	Pr		
22	Reloading equipment II	2	-	1	-	4	1
23	Goods distribution centers and terminals	2	2	-	-	5	1
24	Fundamentals of economics	2	2	-	-	3	1
25	Fundamentals of management	2	2	-	-	5	1
26	Transport law	2	2	-	-	3	1
27	Technology and organization of urban public transport	2	1	-	-	5	1
28	Foreign language IV	1	-	2	-	3	1
29	(Summer) Professional practice - 1 month				(x)	2	
	Total in semester	13	9	3	(x)	30	7

#### 3rd year of study – 5th semester

Number of program	Courses	Hours per week				ECTS credits	Exams
		L	S	E	Pr		
30	Railway transport infrastructure	2	1	-	-	6	1
31	Railway vehicles	3	-	1	-	6	1
32	Regulation and surveillance of railway transport	2	-	2	-	6	1
33	Information systems in railway transport	1	-	2	-	6	1
	Optional course*	2	1	-	-	6	1
	Total in semester	10	2	5	-	30	5

\*Optional courses (students enroll in one of the courses):

- 34 Marketing in transport
- 35 Transport insurance
- 36 Protection in transport
- 37 Transport medicine
- 38 Meteorology

#### 3rd year of study – 6th semester

Number of program	Courses	Hours per week				ECTS credits	Exams
		L	S	E	Pr		
39	Transport planning	2	-	2	-	6	1
40	Transport terminals	3	-	3	-	6	1
41	Transport evaluation	2	-	2	-	6	1
	Optional course 1*	2	-	2	-	6	1
	Optional course 2*	2	-	2	-	6	1
	Total in semester	11	-	11	-	30	5

\*Optional courses 1 (students enroll in one of the courses):

42 Intermodal transport

43 Vertical transport

\*Optional courses 2 (students enroll in one of the courses):

44 Psychology in transport

45 Management in transport

4th year of study – 7th semester

Number of program	Courses	Hours per week				ECTS credits	Exams
		L	S	E	Pr		
46	Transport of passengers and goods	3	-	3	-	6	1
47	Urban public transport	3	-	3	-	6	1
48	Freight forwarding	2	-	2	-	6	1
49	Technical exploitation of railway vehicles	2	-	2	-	6	1
50	Railway transport safety	3	-	3	-	6	1
	Total in semester	13	-	13	-	30	5

4th year of study – 8th semester

Number of program	Courses	Hours per week				ECTS credits	Exams
		L	S	E	Pr		
51	Technology and organization of railway transport	2	-	2	-	6	1
52	Administrative and labor law	2	-	2	-	6	1
53	Diagnostics and maintenance of railway vehicles	2	-	2	-	6	1
	Optional course 3*	2	-	2	-	4	1
	Optional course 4*	2	-	2	-	4	1
58	The final paper	-	-	-	-	4	1
	Total in semester	10	-	10	-	30	6

\*Optional courses 3 (students enroll in one of the courses):  
54 Organization of transport companies  
55 Transport management in cities

\*Optional courses 1 (students enroll in one of the courses):  
56 Transport logistics  
57 Prevention and ecology in transport