

## STUDY PROGRAMME CURRICULUM TRAFFIC TECHNOLOGY AND TRANSPORT LOGISTICS

2023/2024

Name of study programme	<b>Traffic Technology and Transport Logistics</b>
Programme characteristics	
Type	higher professional
Cycle	bachelor
University of Ljubljana members	• Faculty of Maritime Studies and Transport, Pot pomorščakov 4, 6320 Portorož, Slovenija

General direction (direction/track)

Year 1, compulsory

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Semesters	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study					
1.	0130262	Mathematical Methods I	prof. dr. Aleksej Turnšek	30	0	45	0	0	75	150	6	1st semester	no
2.	0130263	Fundamentals of Transport System	prof. dr. Elen Twrdy	30	15	30	0	0	75	150	6	1st semester	no
3.	0130269	Human Resources in Traffic	doc. dr. Damjana Jerman	30	5	30	0	0	65	130	5	1st semester	no
4.	0130265	Engineering Drawing and Documentation	izr. prof. dr. Peter Vidmar	30	5	30	0	0	65	130	5	1st semester	no
5.	0130266	Transport Economics	izr. prof. dr. Marina Zanne	30	15	20	0	0	65	130	5	2nd semester	no
6.	0130267	Commercial Law	izr. prof. dr. Patrick Vlačič	30	15	0	0	0	45	90	3	1st semester	no

7.	0130268	Transport Logistics	doc. dr. Bojan Beškovnik	30	15	30	0	0	75	150	6	1st semester	no
8.	0130264	Information Science in Traffic	izr. prof. dr. Evelin Krmac	30	5	30	0	0	65	130	5	2nd semester	no
9.	0130270	Traffic and Space	izr. prof. dr. Marijan Žura	30	0	15	0	0	45	90	3	2nd semester	no
10.	0130271	Traffic Automation	doc. dr. Franc Dimc	30	5	30	0	0	65	130	5	2nd semester	no
11.	0130272	Technical Mechanics	prof. dr. Milan Batista	30	0	45	0	0	75	150	6	2nd semester	no
12.	0130273	Professional English (ESP) I	mag. Mojca Marija Hočevnar, viš. pred.	30	5	30	0	0	65	130	5	2nd semester	no
Total				360	85	335	0	0	780	1560	60		

Year 2, compulsory

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Semesters	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study					
1.	0130274	Mathematical Methods II	prof. dr. Aleksej Turnšek	30	0	45	0	0	75	150	6	1st semester	no
2.	0130275	Traffic Engineering	doc. dr. Robert Muha	30	5	30	0	0	65	130	5	1st semester	no
3.	0130276	Traffic and Transport Management	izr. prof. dr. Marina Zanne	30	5	30	0	0	65	130	5	2nd semester	no
4.	0130277	Transport and Logistics Infrastructure	dr. Peter Jenček, viš. pred.	30	15	30	0	0	75	150	6	1st semester	no
5.	0130278	Materials in Transport	izr. prof. dr. Oliver Bajt	30	0	15	0	0	45	90	3	1st semester	no
6.	0130279	Professional English (ESP) II	mag. Mojca Marija	30	5	30	0	0	65	130	5	1st semester	no

			Hočevar, viš. pred.										
7.	0130280	Probability and Statistics	prof. dr. Aleksej Turnšek	30	5	30	0	0	65	130	5	2nd semester	no
8.	0130281	Transport Law	izr. prof. dr. Patrick Vlačič	30	15	0	0	0	45	90	3	2nd semester	no
9.	0130282	Environmental Protection in Traffic	izr. prof. dr. Oliver Bajt	30	5	15	0	0	50	100	4	2nd semester	no
10.	0130283	Transport and Manipulation Means	dr. Peter Jenček, viš. pred.	30	15	30	0	0	75	150	6	2nd semester	no
11.	0130284	Transport Technologies	doc. dr. Bojan Beškovnik	30	15	30	0	0	75	150	6	1st semester	no
12.	0130285	Freight Forwarding	doc. dr. Patricija Bajec	30	15	30	0	0	75	150	6	2nd semester	no
Total				360	100	315	0	0	775	1550	60		

Year 3, compulsory

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Semesters	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study					
1.	0130286	Modelling and Planning	prof. dr. Milan Batista	30	5	30	0	0	65	130	5	1st semester	no
2.	0130287	Supply Chain Management	doc. dr. Patricija Bajec	30	5	30	0	0	65	130	5	1st semester	no
3.	0130288	Organization of Work and Project Management	doc. dr. Robert Muha	30	5	30	0	0	65	130	5	1st semester	no
4.	0147011	Elective professional subject		30	5	30	0	0	65	130	5	1st semester	yes

5.	0147012	Elective professional subject		30	5	30	0	0	65	130	5	1st semester	yes
6.	0147013	General elective course / Elective professional course		30	5	30	0	0	65	130	5	1st semester	yes
7.	0147014	General elective course / Elective professional course		30	5	30	0	0	65	130	5	2nd semester	yes
8.	0130289	Professional Practice	doc. dr. Robert Muha	5	0	0	0	245	150	400	15	2nd semester	no
9.	0130290	Diploma Thesis		20	0	0	0	150	100	270	10	2nd semester	no
		Total		235	35	210	0	395	705	1580	60		

Year 3, winter-programme related elective

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Semesters	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study					
1.	0130294	The Operation of Maritime Agencies	izr. prof. dr. Marina Zanne	30	5	30	0	0	65	130	5	1st semester	yes
2.	0130295	Ports and Terminals	prof. dr. Elen Twrđy	30	5	30	0	0	65	130	5	1st semester	yes
3.	0140947	Technology and Organization of Maritime Transport	prof. dr. Elen Twrđy	30	5	30	0	0	65	130	5	1st semester	yes
4.	0130296	Safety in Transport and Logistics	dr. Peter Jenček, viš. pred.	30	5	30	0	0	65	130	5	1st semester	yes
5.	0130297	Urban Transportation Systems	doc. dr. Maja Stojaković	30	5	30	0	0	65	130	5	1st semester	yes
6.	0130298	Technology and Organization of Road Transport	doc. dr. Robert Muha	30	5	30	0	0	65	130	5	1st semester	yes

7.	0140948	Technology and Organization of Railway Transport		30	5	30	0	0	65	130	5	1st semester	yes
8.	0140949	Technology and Organization of Air Traffic		30	5	30	0	0	65	130	5	1st semester	yes
9.	0140950	Global Procurement and Logistic Flows	doc. dr. Patricija Bajec	30	5	30	0	0	65	130	5	1st semester	yes
10.	0130299	Distribution Logistics	doc. dr. Patricija Bajec	30	0	35	0	0	65	130	5	1st semester	yes
11.	0130300	Information Support of Logistics	izr. prof. dr. Evelin Krmac	30	5	30	0	0	65	130	5	1st semester	yes
Total				330	50	335	0	0	715	1430	55		

Year 3, summer-programme related elective

				Contact hours									
	University Course Code	Course title	Lecturers	Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study	Individual student work	Total hours	ECTS	Semesters	Elective
1.	0130291	Intermodal Transport	dr. Peter Jenček, viš. pred.	30	5	30	0	0	65	130	5	2nd semester	yes
2.	0140576	Traffic Risk Management	izr. prof. dr. Peter Vidmar	30	5	30	0	0	65	130	5	2nd semester	yes
3.	0130292	Internal Transport and Warehousing	doc. dr. Robert Muha	30	5	30	0	0	65	130	5	2nd semester	yes
4.	0130293	Transport Insurance Law	prof. dr. Marko Pavliha	30	35	0	0	0	65	130	5	2nd semester	yes
Total				120	50	90	0	0	260	520	20		

Military direction (direction/track)

Year 1, Compulsory/Compulsory courses

				Contact hours									
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	University Course Code	Course title	Lecturers	Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study	Individual student work	Total hours	ECTS	Semesters	Elective
1.	0130262	Mathematical Methods I	prof. dr. Aleksej Turnšek	30	0	45	0	0	75	150	6	1st semester	no
2.	0130263	Fundamentals of Transport System	prof. dr. Elen Twrdy	30	15	30	0	0	75	150	6	1st semester	no
3.	0130269	Human Resources in Traffic	doc. dr. Damjana Jerman	30	5	30	0	0	65	130	5	1st semester	no
4.	0130265	Engineering Drawing and Documentation	izr. prof. dr. Peter Vidmar	30	5	30	0	0	65	130	5	1st semester	no
5.	0635603	Transport Logistics	doc. dr. Bojan Beškovnik	30	15	30	0	0	75	150	6	1st semester	no
6.	0130267	Commercial Law	izr. prof. dr. Patrick Vlačič	30	15	0	0	0	45	90	3	1st semester	no
7.	0635601	Transport Economics	izr. prof. dr. Marina Zanne	30	15	20	0	0	65	130	5	2nd semester	no
8.	0130264	Information Science in Traffic	izr. prof. dr. Evelin Krmac	30	5	30	0	0	65	130	5	2nd semester	no
9.	0130270	Traffic and Space	izr. prof. dr. Marijan Žura	30	0	15	0	0	45	90	3	2nd semester	no
10.	0130271	Traffic Automation	doc. dr. Franc Dimc	30	5	30	0	0	65	130	5	2nd semester	no
11.	0130272	Technical Mechanics	prof. dr. Milan Batista	30	0	45	0	0	75	150	6	2nd semester	no
12.	0130273	Professional English (ESP) I	mag. Mojca Marija Hočvar, viš. pred.	30	5	30	0	0	65	130	5	2nd semester	no
Total				360	85	335	0	0	780	1560	60		

## Year 2, Compulsory/Compulsory courses

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Semesters	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study					
1.	0130274	Mathematical Methods II	prof. dr. Aleksej Turnšek	30	0	45	0	0	75	150	6	1st semester	no
2.	0130275	Traffic Engineering	doc. dr. Robert Muha	30	5	30	0	0	65	130	5	1st semester	no
3.	0635619	Transport Technologies	doc. dr. Bojan Beškovnik	30	15	30	0	0	75	150	6	1st semester	no
4.	0130277	Transport and Logistics Infrastructure	dr. Peter Jenček, viš. pred.	30	15	30	0	0	75	150	6	1st semester	no
5.	0130278	Materials in Transport	izr. prof. dr. Oliver Bajt	30	0	15	0	0	45	90	3	1st semester	no
6.	0130279	Professional English (ESP) II	mag. Mojca Marija Hočevnar, viš. pred.	30	5	30	0	0	65	130	5	1st semester	no
7.	0130280	Probability and Statistics	prof. dr. Aleksej Turnšek	30	5	30	0	0	65	130	5	2nd semester	no
8.	0130281	Transport Law	izr. prof. dr. Patrick Vlačič	30	15	0	0	0	45	90	3	2nd semester	no
9.	0130282	Environmental Protection in Traffic	izr. prof. dr. Oliver Bajt	30	5	15	0	0	50	100	4	2nd semester	no
10.	0130283	Transport and Manipulation Means	dr. Peter Jenček, viš. pred.	30	15	30	0	0	75	150	6	2nd semester	no
11.	0635611	Traffic and Transport Management	izr. prof. dr. Marina Zanne	30	5	30	0	0	65	130	5	2nd semester	no

12.	0130285	Freight Forwarding	doc. dr. Patricija Bajec	30	15	30	0	0	75	150	6	2nd semester	no
Total				360	100	315	0	0	775	1550	60		

### Year 3, Compulsory/Compulsory courses

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Semesters	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study					
1.	0130286	Modelling and Planning	prof. dr. Milan Batista	30	5	30	0	0	65	130	5	1st semester	no
2.	0130287	Supply Chain Management	doc. dr. Patricija Bajec	30	5	30	0	0	65	130	5	1st semester	no
3.	0147011	Elective professional subject		30	5	30	0	0	65	130	5	1st semester	yes
4.	0147012	Elective professional subject		30	5	30	0	0	65	130	5	1st semester	yes
5.	0642229	Elective professional subject		30	5	30	0	0	65	130	5	1st semester	yes
6.	0147013	General elective course / Elective professional course		30	5	30	0	0	65	130	5	1st semester	yes
7.	0640051	Military operations	doc. dr. Andrej Androjna	80	50	40	0	0	100	270	9	2nd semester	no
8.	0640052	Military management, leadership and military ethics	doc. dr. Andrej Androjna	60	40	40	0	0	100	240	8	2nd semester	no
9.	0640053	Military defense systems	doc. dr. Andrej Androjna	40	30	0	0	0	80	150	5	2nd semester	no



10.	0640054	Professional Practice (VS)	prof. dr. Elen Twrdy	5	0	0	0	0	85	90	3	2nd semester	no
11.	0640055	Diploma Thesis (VS)		0	0	0	0	0	150	150	5	2nd semester	no
Total				365	150	260	0	0	905	1680	60		

Year 3, programme related elective courses

	University Course Code	Course title	Lecturers	Contact hours					Individual student work	Total hours	ECTS	Semesters	Elective
				Lectures	Seminar	Tutorials	Clinical tutorials	Other forms of study					
1.	0130294	The Operation of Maritime Agencies	izr. prof. dr. Marina Zanne	30	5	30	0	0	65	130	5	1st semester	yes
2.	0130295	Ports and Terminals	prof. dr. Elen Twrdy	30	5	30	0	0	65	130	5	1st semester	yes
3.	0140947	Technology and Organization of Maritime Transport	prof. dr. Elen Twrdy	30	5	30	0	0	65	130	5	1st semester	yes
4.	0130296	Safety in Transport and Logistics	dr. Peter Jenček, viš. pred.	30	5	30	0	0	65	130	5	1st semester	yes
5.	0130297	Urban Transportation Systems	doc. dr. Maja Stojaković	30	5	30	0	0	65	130	5	1st semester	yes
6.	0130298	Technology and Organization of Road Transport	doc. dr. Robert Muha	30	5	30	0	0	65	130	5	1st semester	yes
7.	0140948	Technology and Organization of Railway Transport		30	5	30	0	0	65	130	5	1st semester	yes
8.	0140949	Technology and Organization of Air Traffic		30	5	30	0	0	65	130	5	1st semester	yes
9.	0140950	Global Procurement and Logistic Flows	doc. dr. Patricija Bajec	30	5	30	0	0	65	130	5	1st semester	yes

10.	0130299	Distribution Logistics	doc. dr. Patricija Bajec	30	0	35	0	0	65	130	5	1st semester	yes
11.	0130300	Information Support of Logistics	izr. prof. dr. Evelin Krnac	30	5	30	0	0	65	130	5	1st semester	yes
Total				330	50	335	0	0	715	1430	55		