



Universiteti “Nënë Tereza” - Shkup
Универзитет “Мајка Тереза” - Скопје
“Mother Teresa” University - Skopje

Description of the Study program

<i>Code</i>	<i>I Year</i> <i>Winter semester I</i>				
	Obligatory subjects	Lecture	Exercises	Fund	ECTS
СТИ 101	Mathematics 1	3	3	180	6
СТИ 102	Descriptive geometry and technical drawing with CAD	3	3	150	5
СТИ 103	Technical mechanics	3	2	180	6
СТИ 104	Physics	3	2	180	6
СТИ 105	Basics of traffic engineering	3	2	180	6
Total O.		15	12	870	29

<i>Code</i>	<i>I Year</i> <i>Summer semester II</i>				
	Obligatory subjects	Lecture	Exercises	Fund	ECTS
СТИ 201	Mathematics 2	3	3	180	6
СТИ 202	Electrotechnics	3	2	180	6
СТИ 203	English language	3	1	150	5
СТИ 204	Introduction to Programming	2	2	180	6
СТИ 205	Urbanism and space planning	4	2	180	6
	Practical education			60	2
Total O.		15	10	930	31

<i>Code</i>	<i>II Year</i> <i>Winter semester III</i>				
	Obligatory subjects	Lecture	Exercises	Fund	ECTS
СТИ 301	Probability and Statistics in traffic	3	2	180	6
СТИ 302	Collection and analysis of transport data	3	2	180	6
СТИ 303	Transport logistics	3	2	180	6
СТИ 3xx	Optional subject – FTS (from List1)				
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Total O.		9	6	540	18

List 1: Elective subjects for III semester



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СТИ 304	Traffic and Transport Law	3	1	180	6
СТИ 305	Traffic Psychology	3	1	180	6
СТИ 306	Transshipment processes	2	2	180	6
СТИ 307	Electronics for traffic engineers	3	2	180	6
СТИ 308	Applicative software	2	2	180	6
Total E.		6	4	360	12
Total O.+E.		15	10	900	30

<i>Code</i>	II Year Summer semester IV				
	Obligatory subjects	Lecture	Exercises	Fund	ECTS
СТИ 401	Traffic Safety	3	2	180	6
СТИ 402	Basics of road Engineering	3	2	180	6
СТИ 403	Economics of traffic systems	3	1	180	6
СТИ 404	Operations research	3	2	180	6
СТИ 40x	Optional subject – FTS (from List 2)				
	Practical education			30	1
Total O.		12	7	750	25

List 2: Elective subjects for IV semester					
СТИ 405	Standards for the identification of goods transport	2	2	150	5
СТИ 406	Models of behavior of road participants	3	1	150	5
СТИ 407	Euro integration in traffic	3	1	150	5
СТИ 408	Basics of Geodesy	2	2	150	5
Total E.		2	2	150	5
Total O.+E.		14	9	900	30

List 3: Elective subjects for V semester					
СТИ 505	International transport and forwarding	3	1	180	6
СТИ 506	Transport and Environment	2	2	180	6
СТИ 507	Construction design of traffic facilities	2	2	180	6



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<i>Code</i>	III Year Winter semester V				
	Obligatory subjects	Lecture	Exercises	Fund	ECTS
СТИ 501	Planning and managing of freight transport	3	2	180	6
СТИ 502	Traffic flow theory and road capacity	3	2	180	6
СТИ 503	Organization of JGPP	2	2	180	6
СТИ 504	Motor vehicles	3	2	180	6
	Optional subject – FTS (from List 3)				
	Total O.	11	8	720	24
	Total E.	2	2	180	6
	Total O.+E.	13	10	900	30

<i>Code</i>	III Year Summer semester VI				
	Obligatory subjects	Lecture	Exercises	Fund	ECTS
СТИ 601	Systems of motor vehicles	3	2	180	6
СТИ 602	Modern transport technologies	3	2	180	6
СТИ 603	Techniques of traffic management	2	2	180	6
СТИ 60x	Optional subject – FTS (from List 4)				
СТИ 60x	Optional subject - MTU				
	Practical education			60	2
	Total O.	8	6	600	20

List 4: Elective subjects for VI semester					
СТИ 604	Security Management Systems SMS	2	2	150	5
СТИ 605	Transport economics	3	2	150	5
СТИ 606	Urban transport systems	3	1	150	5
	Total E.	3+2	1+1	150+150	5+5
	Total O.+E.	11	8	900	30

<i>Code</i>	IV Year Winter semester VII				
	Obligatory subjects	Lecture	Exercises	Fund	ECTS
	Optional subject (from List 5)				6



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	Optional subject (from List 5)				6
	Optional subject (from List 5)				6
	Optional subject – MTU				5
	Optional subject – MTU				5
Total O.					

List 5: Elective subjects for VII semester					
СТИ 701	Valuation of road network	3	2	180	6
СТИ 702	Technical exploitation of motor vehicles	3	2	180	6
СТИ 703	Analysis of accidents	3	2	180	6
СТИ 704	Theory of movement of motor vehicles	3	2	180	6
СТИ 705	Evaluating the impact of traffic on environment	3	2	180	6
СТИ 706	Basics of management and control of traffic	3	2	180	6
СТИ 707	Transport policy	3	1	180	6
СТИ 708	Integrated transport	3	2	180	6
СТИ 709	Modern industrial management	3	2	180	6
СТИ 710	Urban logistics	3	2	180	6
Total E.		9+4	6+2	540+300	18+10
Total O.+E.		13	8	840	28

Code	IV Year Summer semester VIII				
	Obligatory subjects	Lecture	Exercises	Fund	ECTS
	Optional subject – FTS (from list 6)				6
	Optional subject – FTS (from list 6)				6
	Optional subject – FTS (from list 6)				6
	Optional subject - MTU				3
	Practical education			30	1
	Graduate thesis			300	10
Total O.				330	11

List 6: Elective subjects for VIII semester
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СТИ 801	Modeling and Simulation	3	2	180	6
СТИ 802	Planning of JGP	3	2	180	6
СТИ 803	Traffic planning	3	2	180	6
СТИ 804	Maintenance of motor vehicles	3	2	180	6
СТИ 805	Expertise of accidents	3	2	180	6
СТИ 806	Marketing in traffic	3	1	180	6
СТИ 807	Software packets in the theory of traffic flows	3	2	180	6
СТИ 808	Examination of vehicles	3	2	180	6
СТИ 809	Preventing traffic accidents	2	2	180	6
Total E.		9+2	6+1	540+90	18+3
Total O.+E.		11	7	960	32