



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

Description of the Study program

<i>Code</i>	<i>I Year Winter semester I</i>				
	Obligatory subjects	Lecture	Exercises	Fund	ECTS
	Mathematics 1	2	2	180	6
	Physics 1	2	2	180	6
	Basics of Electrical Engineering 1	2	2	180	6
	Programming and Algorithms 1	2	2	180	6
	Optional subject – FTS (from list 1)				6
	Total O.	8	8	720	24

List 1: Elective subjects for I semester					
	English Language	2	2	180	6
	German Language	2	2	180	6
	French Language	2	2	180	6
	Russian Language	2	2	180	6
	Total E.	2	2	180	6
	Total O.+E.	10	10	900	30

<i>Code</i>	<i>I Year Summer semester II</i>				
	Obligatory subjects	Lecture	Exercises	Fund	ECTS
	Mathematics 2	2	2	180	6
	Physics 2	2	2	180	6
	Basics of Electrical Engineering 2	2	2	180	6
	Optional subject – FTS (from List 2)				6
	Optional subject – FTS (from List 3)				3
	Optional subject – FTS (from List 3)				3
	Total O.	6	6	540	18

List 2: Elective subjects for II semester					
	Structure with Programming	2	2	180	6
	Programming and Algorithms 2	2	2	180	6
	Total E.1	2	2	180	6



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List 3: Elective subjects for II semester					
	Practical Training in Computer Skills and Tools	2	1	90	3
	Practical Training in MATLAB	2	1	90	3
	Communication and Presentation Skills	2	1	90	3
	Electrotechnical Materials	2	1	90	3
Total E.2		4	2	180	6
Total O.+E.1+E.2		12	10	900	30

<i>Code</i>	II Year Winter semester III				
	Obligatory subjects	Lecture	Exercises	Fund	ECTS
	Mathematics 3	2	2	180	6
	Measurement in Electrical Engineering	2	2	180	6
	Air and Cable Lines	2	2	180	6
	Electrical Circuit Theory	2	2	180	6
	Optional subject – FTS (from List 4)				6
Total O.		8	8	720	24

List 4: Elective subjects for III semester					
	Electric Lighting	2	2	180	6
	Engineering Economy	2	2	180	6
Total E.		2	2	180	6
Total O.+E.		10	10	900	30

<i>Code</i>	II Year Summer semester IV				
	Obligatory subjects	Lecture	Exercises	Fund	ECTS
	Electric vehicles and Transformers	2	2	180	6
	Electrical Networks	2	2	180	6



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	Computer Supported by Design of Electrical Installations	2	2	180	6
	Optional subject – FTS (from List 5)				6
	Optional subject – FTS (from List 5)				6
Total O.		6	6	540	18

List 5: Elective subjects for IV semester					
	Electricity Quality	2	2	180	6
	Measurements in Electroenergetics	2	2	180	6
	Electronics	2	2	180	6
	Practical Training in Labview	2	1	90	3
Total E.1		4	4	360	12
Total O.+E.1		10	10	900	30

Code	III Year Winter semester V				
	Obligatory subjects	Lecture	Exercises	Fund	ECTS
	High-Speed Systems and Systems	2	2	180	6
	Distributed Systems	2	2	180	6
	High Voltage Technology 1	2	2	180	6
	Optional subject – FTS (from List 6)				6
	Optional subject – MTU				6
Total O.		6	6	540	18

List 6. Elective subjects for V semester					
	Electromagnetics	2	2	180	6
	Energy Transformers	2	2	180	6
	Grounders and Grounding Systems in Electroenergetic Networks	2	2	180	6
	Automatic Control Systems	2	2	180	6
Total E.1		2+2	2+1	180+180	6+6
Total O.+E.1		10	9	900	30



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<i>Code</i>	III Year Summer semester VI				
	Obligatory subjects	Lecture	Exercises	Fund	ECTS
	Computer Methods for Analyzing Stationary Types in EPS	2	2	180	6
	High Voltage Technology 2	2	2	180	6
	Electricity Market	2	2	180	6
	Optional subject – FTS (from List 7)				6
	Optional subject – MTU				6
Total O.		6	6	540	18

List 7. Elective subjects for VI semester					
	Intelligent Energetic Networks	2	2	180	6
	Production and Distribution Plants	2	2	180	6
	Application Software in EEC	2	2	180	6
	Relay Protection	2	2	180	6
Total E.1		2+2	2+1	180+180	6+6
Total O.+E.1+E.2		11	8	900	30

<i>Code</i>	IV Year Winter semester VII				
	Obligatory subjects	Lecture	Exercises	Fund	ECTS
	Ways of Operating the Power System	2	2	180	6
	Management and Sending to the Power System	2	2	180	6
	Optional subject (from List 8)				6
	Optional subject (from List 8)				6
	Optional subject - MTU				6
Total O.		4	4	360	12



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List 8: Elective subjects for VII semester					
	Introduction to Telecommunications	2	2	180	6
	Micro networks	2	2	180	6
	Basis of Renewable Energy Sources	2	2	180	6
	Electroenergetics System Planning	2	2	180	6
Total E.1		4+2	4+1	360+180	12+6
Total O.+E.1+E.2		10	9	900	30

<i>Code</i>	IV Year Summer semester VIII				
	Obligatory subjects	Lecture	Exercises	Fund	ECTS
	Technical Management Systems	2	2	180	6
	Optional subject – FTS (from list 9)				6
	Optional subject – FTS (from list 9)				6
	Optional subject – MTU				4
	Graduate thesis			240	8
Total O.		2	2	420	14

List 9: Elective subjects for VIII semester					
Total E.1		4+2	4+1	360+120	12+4
Total O.+E.1+E.2		11	7	270	30