

**ELECTRONICS AND TELECOMMUNICATION**  
**SPECIALISATION "NETWORKS AND SERVICES" (Study in English)**

**FULL-TIME, 2-nd LEVEL DEGREE PROGRAMME (T MODULE )**

**Basic, Major and Specialization Courses**

Symbol		Hours	Semester 1					Semester 2					Semester 3							
			w	c	l	p	e	pkt	w	c	l	p	e	pkt	w	c	l	p	e	pkt
<b>BASIC COURSES</b>																				
P01	Mathematics	60	2	2			E	4												
P02	Stochastic Processes	45	2	1				3												
P03	Numerical Methods	30	1		1			2												
P04	Optimisation Methods	45	2		1		E	3												
	<b>Sum</b>	<b>180</b>																		
<b>MAJOR COURSES</b>																				
K1	Fiber Optics and Fotonics	60	2		2			4												
K2	Programmable Logic Devices	60	2		2		E	4												
K3	Electromagnetic Compatibility	45	2		1			3												
K4	Information Theory and Coding	60	2	2			E	4												
K5	Security of Information Systems	45	2		1			3												
K6	Reliability and Diagnostics	45							2		1								3	
K7	Network and Service Management	60							2			2							3	
K8	Telecommunications Network Design	60							2		2		E						4	
	<b>Suma</b>	<b>435</b>																		
<b>SPECIALIZATION COURSES</b>																				
ST1	Digital Transmission Techniques	60							2		2		E						4	
ST2	Modelling and Simulation of Networks and Services	45							2		1		E						4	
ST3	Seminar	30														2			2	
ST4	M.Sc. Thesis	0													X				20	
ST5	Elective Course 1	60							2		2								4	
ST6	Elective Course 2	60							2		2								4	
ST7	Elective Course 3	45							1		2								4	
ST8	Elective Course 4	45													1		2		E 4	
ST9	Elective Course 5	45													1		2		E 4	
	<b>Suma</b>	<b>390</b>																		
	<b>Sum</b>		17	5	8	0	0		15	0	12	2	0		2	2	4	0	0	
	<b>Number of hours per week</b>		30						29						8					
	<b>Sum of ECTS in Semester</b>		30						30						30					
	<b>Total number of hours</b>	<b>1005</b>																		
	<b>Total number of ECTS</b>	<b>90</b>																		

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SPECIALIZATION CHOICE

<b>Elective Courses</b>
1. Wireless Data Networks
2. IP Mobility
3. Digital Video Libraries
4. E-Commerce and Electronic Transactions
5. Distributed Network Environment
6. Global Communications Systems