Educational Specialty: Engineering Physics Master's Programme: "Wireless Networks and Devices" (on English)				
Form of Education: <u>full time; regular fo</u> Course	ETCS credits	Exam or Scores during the Term (E/T)	Total Hours (Lectures; Seminars; Practical Exercises) (L + S + P)	
FIRST Y	EAR			
First Term				
Compulsory Courses				
Modulations and Coding in the Digital Communications	6	Е	45 + 15 + 15	
Wireless Networks and Protocols	4.5	Е	45 + 15 + 0	
Computer Practice in Communication Systems	4.5	Т	0 + 0 + 45	
Introductory Selectable Courses – 1 course with	ith 5 ECTS	credits (1/5)		
Introduction to Wireless Communications	5	Е	30 + 30 + 0	
Applied Electrodynamics for MSc. Students	5	E	30 + 30 + 0	
Modern Physics for Engineers	5	Е	60 + 0 + 0	
Selectable Courses – 2 courses with 10 ECTS c	redits (2/10)		
Communication and information systems for data transfer	5	Е	30 + 30 + 0	
Mobile Radio-Channels	5	Е	30 + 30 + 0	
Microwave Measurements in Communications	5	Е	30 + 0 + 30	
Fixed and Mobile Satellite Communication Systems	5	Е	30 + 15 + 15	
Software Toolbox on MatLab for Communication Applications	5	Т	30 + 0+ 15	
Practical Programming on Visual C++	5	Т	30 + 0 + 30	
Management of the Communication Networks	5	Т	30 + 30 + 0	
One-term Course in Advanced Topics in Communications (winter)	5	Т	30 + 30	
Second Term	(summer	;)		
Compulsory Courses				
Information and Statistics in the Wireless Communications	4.5	Е	45 + 15 + 0	
Microwave Communication Devices and Systems	6	Е	45 + 15 + 15	
Integrated Circuits and Devices for Wireless Networks	4.5	Е	45+15+0	

Laboratory Practice in Integrated Circuits and Devices for Wireless Networks	4.5	Т	0 + 0+ 45
Selectable Courses -2 courses with 10 ECTS c	credits (2/10))	
Processors in Wireless Communications	5	E	30 + 0 + 30
Antennas for Wireless Communication Systems	5	Е	30 + 15 + 15
Optical networks and devices	5	E	45 + 15 + 0
Radio-Frequency Identification Devices (RFID's)	5	Е	30 + 15 + 15
Security of the Communication Networks and Systems	5	Е	30 + 30 + 0
Operational Systems and Open-Source Applications in the Communications	5	Т	0 + 0+ 45
Electromagnetic Compatibility in Communications	5	Т	30 + 15 + 0
Management of the Innovations	5	Т	30 + 30 + 0
One-term Course in Advanced Topics in Communications (summer)	5	Т	30 + 30
SECOND	YEAR		
Third Term	(winter)		
Compulsory M.Sc. Thesis			
MSc. Thesis	15	February (1 st) / July (2 nd)	
Selectable Practices – 1 practice with 15 ECTS	credits (1/	15)	
Educational Practice Wireless Networks and Devices	15	Т	150
Individual training (instead of the practice)	15	Т	150
Total: 90 ECTS credits; 8 Exams (E); 5	5 scores d	luring the Te	rm (T)
Educational degree: Master in Enginee and Devices	ering Phy	sics – Wirele	ess Network