

Year	Sem	Subject name	Weekly number of hours				Practice	ECTS
			Lecture	Tutorial	Labwork	Project		
<b>First Year Compulsory subjects</b>								
1	1	Mathematical Analysis	3	1			5	
1	1	Linear Algebra, Analytic and Differential Geometry	3	1			5	
1	1	Physics 1	3		1		5	
1	1	Computer Programming and Programming Languages 1	2		2		4	
1	1	Fundamentals of Electrical Engineering 1	3	2			5	
1	1	Chemistry	2		1		3	
1	1	Physical Education and Sport 1		1			1	
1	2	Special Mathematics	3	1			5	
1	2	Physics 2	3		1		4	
1	2	Computer Programming and Programming Languages 2	2		1		4	
1	2	Fundamentals of Electrical Engineering 2	2	1			4	
1	2	Measurements in Electronics and Telecommunications	2		2		4	
1	2	Electronic Materials	2		2		4	
1	2	Applied Informatics - Project				1	2	
1	2	Physical Education and Sport 2		1			1	
<b>Optional Subject - O1</b>								
1	1	Foreign Language 1 - English			2		2	
1	1	Foreign Language 1 - French			2		2	
1	1	Foreign Language 1 - German			2		2	
<b>Optional Subject - O2</b>								
1	2	Philosophy	2				2	
1	2	Sociology	2				2	
1	2	Psychology	2				2	
1	2	Communication	2				2	
1	2	European Culture and Civilization	2				2	
1	2	European Political and Administrative Institutions	2				2	
1	2	European Integration	2				2	
<b>Facultative subjects Year 1</b>								
1	1	Educational Psychology	2	2			5	
1	1	Volunteering 1				4	3	
1	2	Internet Services	1		1		2	
1	2	Foreign Language 2		2			2	

1	2	Pedagogy I	2	2				5
1	2	Volunteering 2					4	3
<b>Second Year Compulsory subjects</b>								
2	1	Signals and Systems 1	2	2	1			6
2	1	Electronic Devices	2	2	1			6
2	1	Microprocessor Architecture	2		2			4
2	1	Passive Components and Circuits	2		2			4
2	1	Algorithms and Data Structures	2		2			4
2	1	Physical Education and Sport 3		1				1
2	2	Signals and Systems 2	2	1	1			5
2	2	Basic Electronic Circuits	3	2	1			6
2	2	Digital Integrated Circuits	2	1	2			5
2	2	Microprocessor Architecture 2. Microcontrollers	2		2			4
2	2	Probability Theory and Mathematical Statistics	2	1				3
2	2	Databases	2		1			3
2	2	Physical Education and Sport 4		1				1
Optional Subject O1								
2	1	Computer Aided Graphics - CAD Techniques for Electronics	1		1			2
2	1	Computer Aided Graphics - 3D Modelling and Design	1		1			2
Optional Subject O2								
2	1	Computer Programming and Programming Languages 3 - Python Project				1		1
2	1	Computer Programming and Programming Languages 3 - Matlab Project				1		1
2	1	Computer Aided Graphics - CAD Project for Electronics				1		1
Optional Subject O3								
2	1	Macroeconomy	2					2
2	1	Microeconomy	2					2
2	1	Elements of Law and Business Legislation	2					2
Optional Subject O4								
2	2	SPICE Models	1		1			3
2	2	CAD Techniques for Electronic Modules Design	1		1			3
2	2	Object Oriented Programming	1		1			3
Facultative subjects								
2	1	Foreign Language 3		2				2
2	1	Pedagogy II	2	2				5
2	1	Volunteering 3					4	3
2	2	Foreign Language 4		2				2
2	2	Didactics of the specialization	2	2				5

2	2	Volunteering 4					4	3
<b>Third Year Compulsory subjects</b>								
3	1	Signals and Systems 3	2	1	1			5
3	1	Information Transmission Theory	2	1	1			5
3	1	Analogic Integrated Circuits	3	1	1			5
3	1	Electronic Measuring Instruments	2	1	2			5
3	1	Microwaves	3	1	1			5
3	1	Basic Electronic Circuits 2 - Project				1		2
3	2	Decision and Estimation in Information Processing	3	1	1			4
3	2	Digital Signal Processing	3	1	2			4
3	2	Analog and Digital Communications	3	1				3
3	2	Network Architectures and Internet	2		1			3
3	2	Microwaves Circuits	2	1	1			3
3	2	Basic Electronic Circuits 3 - Project				1		1
3	2	Practical work					30	8
<b>Optional Subjects O1</b>								
3	1	Automatic Control Systems	2		1			3
3	1	Audio Engineering	2		1			3
3	1	Fundamentals of Optoelectronics	2		1			3
3	1	Fundamentals of Information Science	2		1			3
3	1	Database Interface Programming	2		1			3
<b>Optional Subjects O2</b>								
3	2	Digital Audio-Video Techniques	2		1			2
3	2	Network and Services Security	2		1			2
3	2	Basics of Operating Systems and Virtualization	2		1			2
3	2	Fundamentals of Cryptology 1	2		1			2
<b>Optional Subjects O3</b>								
3	2	Practical Applications of Microcontrollers - Project				1		2
3	2	Communications and Microsystems Applications - Project				1		2
<b>Facultative subjects</b>								
3	1	Innovative Software Applications and Services Development	1		1	1		3
3	1	Verification in Circuit Design	1		2			3
3	1	Physical Education and Sport 5		2				2
3	1	PC assisted work	1	1				2
3	1	Pedagogical practice in pre-university education (1)					3	3
3	1	Volunteering 5					4	3
3	2	Linux and Python Applicative Course	1		1	1		3

3	2	Digital Commerce Applications Development	1		2			3
3	2	Physical Education and Sport 6		2				2
3	2	Students classroom management	1	1				3
3	2	Pedagogical practice in pre-university education (2)					3	2
3	2	Volunteering 6					4	3
<b>Fourth Year Compulsory subjects</b>								
4	1	Data Communications	3	1				5
4	1	Communications Networks	2		2			4
4	1	Artificial Intelligence	2		1			3
4	1	Radio Communications Systems and Equipments	2		2			4
4	1	Antennas and Propagation	2		1			3
4	1	Analog and Digital Communications - Laboratory			2			2
4	2	Mobile Communications	3	1	2			5
4	2	Multimedia Coding - Techniques and Applications	2		2			4
4	2	Quality and Reliability	1		1			2
Diploma Project								
4	2	Practical Activity for Diploma Project				4		4
4	2	Diploma Project Preparation Activities					30	4
Optional Subjects O1								
4	1	Radar	2		1			3
4	1	Transmission Media	2		1			3
4	1	Fundamentals of Cryptology 2	2		1			3
Optional Subjects O2								
4	1	Data Communications - Project				1		2
4	1	Signal Processors for Communications - Project				1		2
4	1	Artificial Intelligence - Project				1		2
Optional Subjects O3								
4	1	Signal Processors for Communications	2		2			4
4	1	Fundamentals of Image Processing and Computer Vision	2		2			4
Optional Subjects O4								
4	2	Multiple Access Techniques	2		1			4
4	2	Optical Communications	2		1			4
4	2	Traffic Engineering	2		1			4
Optional Subjects O5								
4	2	Multiplex Systems and Transmission Techniques	2		2			4
4	2	Sensor Networks	2		2			4
Optional Subjects O6								

4	2	Management and Regulation in Communications and Electronics	1	1				3
4	2	Marketing	1	1				3
Facultative subjects								
4	1	Automotive Electronics	2		1			3
4	1	Volunteering 7					4	3
4	2	Volunteering 8					4	3