Year	Sem	Subject name	Weekly number of hours				ECTS
			Lecture	Tutorial	Labwork	Project	
First Year Compulsory subjects							
1	1	Linear algebra, analytical and differential geometry	3	2	-	-	6
1	1	Mathematical analysis	3	2	-	-	6
1	1	Chemistry	2	-	1	-	3
1	1	Computer aided graphics	2	1	1	-	4
1	1	Computers programming and programming languages I	2	-	2	-	4
1	1	Physical education and sport	-	2	-	-	3
1	1	Foreign language I (english)	2	1	-	-	4
1	2	Special mathematics	3	2	-	-	6
1	2	Physics	3	2	1	-	6
1	2	Fundamentals of electrotechnics	3	2	1	-	6
1	2	Computers programming and programming languages II	2	-	2	-	5
1	2	Physical education and sport II	-	2	-	-	3
1	2	Foreign language II	2	1	-	-	4
1	1	Psyhology of education (optional)	2	2	-	-	5
1	1	Volunteering 1 (optional)	-	-	-	4	3
1	2	Pedagogy I (optional)	2	2	-	-	5
1	2	Volunteering 2 (optional)	-	-	-	4	3
2	1	Computer architecture	2	-	1	-	4
2	1	Digital systems	2	-	2	-	4
2	1	Electrical circuit theory	3	1	1	-	6
2	1	Electronics I	2	1	1	-	4
2	1	Numerical methods	2	-	2	-	5
2	1	Database	2	-	2	-	4
2	1	Computer interfaces and peripherals (optional)	2	-	1	-	3
2	1	Data transmissions and protocols (optional)	2	-	1	-	3
2	1	Pedagogy II (optional)	2	2	-	-	5
2	1	Volunteering 3 (optional)	-	-	-	4	3
2	2	Systems and control theory	2	-	1	-	4
2	2	CAD for electrical engineering	2	-	1	1	5
2	2	Electrical circuits simulation	2	-	2	-	5
2	2	Electronics II	2	1	1	-	4
2	2	Electromagnetic field theory	3	1	1	1	6
2	2	Electrical and electronic measurements	3	-	2	-	6
2	2	Didactics of specialization (optional)	2	2	-	-	5
2	2	Volunteering 4 (optional)	-	-	-	4	3

3	1	Electric equipment	3	-	2	1	6
3	1	Static power converters	2	-	1	-	4
3	1	Electrical machines	3	-	2	1	6
3	1	Computer networks	1	-	1	-	3
3	1	Electrotechnical materials	3	-	2	-	6
3	1	Soft architectures and programming on Integrated systems I	1	-	1	-	2
3	1	Finite element method in electrical engineering (optional)	2	-	1	-	3
3	1	Numerical modeling of the electromagnetic field (optional)	2	-	1	-	3
3	2	Object oriented programming	2	-	2	-	3
3	2	Digital signal processing	2	-	2	1	4
3	2	Electric drives	3	-	2	1	5
3	2	Programmable logic controllers	2	-	2	-	3
3	2	Microprocessor systems	2	1	1	-	4
3	2	Advanced production systems	2	-	1	-	3
3	2	Internship	360 hours in total				8
3	1	Computer aided training	1	1	-	-	2
3	1	Pedagogical practice in pre-university education system (1)	42h in total				3
3	2	Pedagogical practice in pre-university education system (2)	36h in total				3
3	2	Student class management	1	1	-	-	2
3	2	Graduation exam: Level I	-	-	-	-	5
3	2	Volunteering 6	-	-	-	4	3
4	1	Energy sources	2	1	1	-	5
4	1	Virtual instrumentation in electrical engineering (optional)	2	-	2	-	4
4	1	Monitoring and diagnosis of electrical equipment (optional)	2	-	2	-	4
4	1	Electrical installations	2	-	2	-	4
4	1	Optimization techniques in electrical engineering	2	-	1	1	4
4	1	Soft architectures and programming on integrated systems II	2	-	1	-	4
4	1	Robotics (optional)	1	1	1	-	4
4	1	Electricity quality (optional)	1	1	1	-	4
4	1	Control of electric	2	-	2	1	5
4	1	Industrial control	2	-	2	1	5
4	1	Quality and reliability	2	-	2	-	4
4	1	Volunteering 7	-	-	-	4	3
4	2	Electromagnetic compatibility	2	-	2	-	4
4	2	Electric and electronic equipment for vehicles	2	-	1	-	4
4	2	Neural networks (optional)	2	-	2	1	5
4	2	Artificial intelligence (optional)	2	-	2	1	5

4	2	Management	2	-	-	1	3
4	2	Production, transmission and distribution of electricity	2	1	1	-	4
4	2	Elaboration of diploma project	-	-	-	4	4
4	2	Diploma project stage	60 hours in total				2
4	2	Volunteering 8	-	-	-	4	3