

Για τους κλάδους Ηλεκτρολογική Μηχανικής και Ηλεκτρονικής Μηχανικής περιλαμβανομένης της Μηχανικής της Πληροφορικής, στην Ηλεκτρονική Μηχανική, η εγγραφή στο Μητρώο Μελών του ΕΤΕΚ (από το έτος εισαγωγής 2012), μπορεί να καταστεί δυνατή νοουμένου ότι ο αιτητής έχει παρακολουθήσει με επιτυχία δεκαέξι (16) μαθήματα ως ακολούθως:

- Πέντε (5) εξαμηνιαία μαθήματα του κλάδου Ηλεκτρολογικής Μηχανικής
- Πέντε (5) εξαμηνιαία μαθήματα το κοινού κορμού
- Έξι (6) εξαμηνιαία μαθήματα από το σύνολο το μαθημάτων

	<b>Course</b>	<b>UCY Equivalent</b>	<b>Electrical</b>	<b>Electronic</b>	<b>Core</b>
1	Circuits / Circuit Analysis	ECE 102			x
2	Electronics	ECE 205			x
3	Electromagnetic fields and waves	ECE 331 / 649			x
4	Instrumentation/Measurements/Sensors	ECE 473 / 665			x
5	Signal and systems (Fourier, Laplace, etc.)	ECE 220			x
6	Random Signals and Systems	ECE 224			x
7	Advanced Computer Control				x
8	Numerical Analysis	ECE 105			x
9	Embedded and Real-Time Systems				x
10	Solid State Electronic Devices	ECE 202			x
11	Random Processes				x
12	Optimal Control				x
13	Numerical Analysis	Duplicate (see 8)			x
14	Electrical Materials (Science)				x
15	Engineering Graphics and Design				x
16	Performance Evaluation and Simulation				x
17	Power Electronics	ECE 444			x
18	Electromagnetic Compatibility				x
19	Travelling Waves				x
20	Automatic Control systems				x
21	Control Engineering	ECE 326			x
22	Engineering Cybernetics				x
23	Electrophysics				x
24	System Analysis				x
25	Φωτοτεχνία/ Φωτομετρία				x
26	Digital Logic	ECE 210		x	
27	Tele / Communications	ECE 359		x	
28	Digital Design	ECE 307		x	
29	Fiber optic systems and networks	ECE 455 / 629		x	
30	Biomedical Instrumentation and Design	ECE 473 / 665		x	
31	Microprocessor Systems	ECE 212		x	
32	Computer Hardware Systems	ECE 312 / 656		x	
33	VLSI Design	ECE 406 / 659 or ECE 407 / 657		x	
34	Intelligent Systems			x	
35	Antennas	ECE 646		x	
36	Wireless Links and Propagation	ECE 453 / 625		x	
37	Artificial intelligence	ECE 421 / 634		x	
38	Mobile/Satellite Communications	ECE 464		x	
39	Digital Signal Processing	ECE 429 / 623		x	
40	Radio Frequency and Microwave Circuits	ECE 438 / 643		x	
41	Optical Engineering	ECE 333 / 645		x	
42	Introduction to Photonics	ECE 648		x	
43	Advanced Communication Systems	ECE 628		x	

44	Computer Network Communication	ECE 360 / 654		x	
45	Image Processing and Machine Vision	ECE 478 / 626		x	
46	Circuits / Circuit Analysis	ECE 102		x	
47	Power Electronics	ECE 444		x	
48	Electromechanical Energy Conversion	ECE 441	x		
49	Power System Analysis	ECE 442 / 680	x		
50	Power Systems Operation and Planning	ECE 445 / 681	x		
51	High Voltage Networks		x		
52	Electrical Services for Buildings		x		
53	Electric Power Generation / Transmission / Distribution	ECE 685	x		
54	Power System Protection		x		
55	Electric System Analysis		x		
56	Electrical Machines / Drives	ECE 448	x		
57	Power System Transients		x		
58	Insulation Coordination		x		
59	Power Engineering	ECE 340	x		
60	Circuits / Circuit Analysis	ECE 102	x		
61	Power Electronics	ECE 444	x		
62	Renewables / Renewable Power	ECE 447	x		
63	High Voltage Apparatus		x		
64	Electrical Power Systems	ECE 686	x		