

TABLE 2: COURSE DISTRIBUTION PER SEMESTER - UCLAN CYPRUS -BENG (HONS) COMPUTER ENGINEERING

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
Year 1								
A' Semester								
1.	Compulsory	Introduction to Programming	CO1407	6	1 hour	13	78	10
2.	Compulsory	Electrical Engineering Fundamentals	EL1801	3	1 hour	13	39	-
3.	Compulsory	Calculus and Linear Algebra for Engineers	EL1902	3	1 hour	13	39	-
4.	Compulsory	Discrete Mathematics	MA1611	4	1 hour	13	52	-
5.	Compulsory	Engineering, Research and Academic Skills	EL1904	3	1 hours	13	39	-
6.	Compulsory	Computer Systems and Security	CO1508	3	1 hour	13	39	-
B' Semester								
7.	Compulsory	Computer Systems and Security	CO1508	3	1 hour	13	39	10
8.	Compulsory	Electrical Engineering Fundamentals	EL1801	3	1 hour	13	39	10

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
9.	Compulsory	Calculus and Linear Algebra for Engineers	EL1902	3	1 hour	13	39	10
10.	Compulsory	Discrete Mathematics	MA1611	4	1 hour	13	52	10
11.	Compulsory	Engineering, Research and Academic Skills	EL1904	3	1 hours	13	39	10
Year 2								
A' Semester								
12.	Compulsory	Digital Electronics	EL1242	3	1 hour	13	39	-
13.	Compulsory	Electronics and Instrumentation	EL1785	3	1 hour	13	39	-
14.	Compulsory	Introduction to Networking	CO1507	3	1 hour	13	39	-
15.	Compulsory	Probability Theory for Engineers	EL1901	3	1 hour	13	39	5
16.	Compulsory	Algorithms and Data Structures	CO1406	3	1 hour	13	39	
17.	Optional	Mechanics	AP1842	3	1 hour	13	39	-
18.	Optional	System Analysis & Database Design	CO1605	3	1 hour	13	39	-
19.	Optional	Applied Physics	EL1802	3	1 hour	13	39	-

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
20.	Optional	Electronic Engineering Practice	EL1205	3	1 hour	13	39	-
21.	Optional	Free Elective	-	-	1 hour	13	-	10
B' Semester								
22.	Compulsory	Digital Electronics	EL1242	3	1 hour	13	39	10
23.	Compulsory	Electronics and Instrumentation	EL1785	3	1 hour	13	39	10
24.	Compulsory	Introduction to Networking	CO1507	3	1 hour	13	39	10
25.	Compulsory	Computational Mathematics for Engineers	EL1903	3	1 hour	13	39	5
26.	Compulsory	Algorithms and Data Structures	CO1406	3	1 hour	13	39	10
27.	Optional	System Analysis & Database Design	CO1605	3	1 hour	13	39	10
28.	Optional	Explorations in Computing	CO1417	6	1 hour	13	78	10
29.	Optional	Mechanics	AP1842	3	1 hour	13	39	10
30.	Optional	Applied Physics	EL1802	3	1 hour	13	39	10
31.	Optional	Electronic Engineering Practice	EL1205	3	1 hour	13	39	10
32.	Optional	Free Elective	-	-	1 hour	13	-	10

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
Year 3								
A' Semester								
33.	Compulsory	Digital Systems	EL2242	2.5	1 hour	13	32.5	-
34.	Compulsory	Computer Architectures	EL2802	3	1 hour	13	39	5
35.	Optional	Human Computer Interaction and User Experience	CO2702	2	1 hour	13	26	-
36.	Optional	Data Communications	EL2006	2.5	1 hour	13	32.5	-
37.	Optional	Introduction to Network Routing	CO2511	3	1 hour	13	39	-
38.	Optional	Electronic Systems Applications	EL2205	3	1 hour	13	39	-
39.	Optional	Signals and Control Systems	EL2100	3	1 hour	13	39	-
40.	Optional	Electronics Systems	EL2241	2.5	1 hour	13	32.5	-
41.	Optional	Robotic Systems	EL2007	3	1 hour	13	39	-
42.	Optional	Advanced Programming	CO2402	2	1 hour	13	26	-
43.	Optional	Digital Evidence and Incident Response	CO2517	2	1 hour	13	26	-



A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
44.	Optional	Computer Security	CO2508	2	1 hour	13	26	-
45.	Optional	Database Systems	CO2701	2	1 hour	13	26	-
B' Semester								
46.	Compulsory	Digital Systems	EL2242	2.5	1 hour	13	32.5	10
47.	Compulsory	Operating Systems	EL2803	3	1 hour	13	39	5
48.	Optional	Human Computer Interaction and User Experience	CO2702	2	1 hour	13	26	10
49.	Optional	Data Communications	EL2006	2.5	1 hour	13	32.5	10
50.	Optional	Introduction to Network Routing	CO2511	3	1 hour	13	39	10
51.	Optional	Electronic Systems Applications	EL2205	3	1 hour	13	39	10
52.	Optional	Signals and Control Systems	EL2100	3	1 hour	13	39	10
53.	Optional	Electronics Systems	EL2241	2.5	1 hour	13	32.5	10
54.	Optional	Robotic Systems	EL2007	3	1 hour	13	39	10
55.	Optional	Advanced Programming	CO2402	2	1 hour	13	26	10

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
56.	Optional	Digital Evidence and Incident Response	CO2517	2	1 hour	13	26	10
57.	Optional	Computer Security	CO2508	2	1 hour	13	26	10
58.	Optional	Database Systems	CO2701	2	1 hour	13	26	10
Sandwich Year								
59.	Optional	Industrial Placement	MP2899	40	1 hour	48	1920	60
Year 4								
A' Semester								
60.	Compulsory	Project	EL3995	1	1 hour	13	13	-
61.	Compulsory	Engineering Professionalism	EL3996	1	1 hour	13	13	-
62.	Compulsory	Microcontroller Systems	EL3250	4	1 hour	13	52	10
63.	Optional	Advanced Network Routing	CO3513	3	1 hour	13	39	-
64.	Optional	Cloud Computing	CO3721	2	1 hour	13	26	-
65.	Optional	Mobile Technologies	EL3807	2	1 hour	13	26	-

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
66.	Optional	Parallel Processing Systems and Distributed Systems	EL3008	2	1 hour	13	26	-
67.	Optional	Fault Tolerant Systems	EL3997	2	1 hour	13	26	-
68.	Optional	VSLI Systems Design	EL3998	2	1 hour	13	26	-
69.	Optional	Computer Aided Instrumentation	EL3425	2	1 hour	13	26	-
70.	Optional	Robotics and Autonomous Systems	EL3007	2	1 hour	13	26	-
71.	Optional	Computer Vision	EL3105	2	1 hour	13	26	-
72.	Optional	Artificial Intelligence	CO3519	2	1 hour	13	26	-
B' Semester								
73.	Compulsory	Project	EL3995	1	1 hour	13	13	15
74.	Compulsory	Engineering Professionalism	EL3996	1	1 hour	13	13	5
75.	Optional	Advanced Network Routing	CO3513	3	1 hour	13	39	10
76.	Optional	Cloud Computing	CO3721	2	1 hour	13	26	10
77.	Optional	Mobile Technologies	EL3807	2	1 hour	13	26	10

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78.	Optional	Parallel Processing Systems and Distributed Systems	EL3008	2	1 hour	13	26	10
79.	Optional	Fault Tolerant Systems	EL3997	2	1 hour	13	26	10
80.	Optional	VSLI Systems Design	EL3998	2	1 hour	13	26	10
81.	Optional	Computer Aided Instrumentation	EL3425	2	1 hour	13	26	10
82.	Optional	Embedded Real-Time Systems	EL3243	4	1 hour	13	52	10
83.	Optional	Robotics and Autonomous Systems	EL3007	2	1 hour	13	26	10
84.	Optional	Computer Vision	EL3105	2	1 hour	13	26	10
85.	Optional	Artificial Intelligence	CO3519	2	1 hour	13	26	10