UNIC ATHENS - Computer Science (4 years, 240 ECTS, Bachelor of Science)

TABLE 2: COURSE DISTRIBUTION PER SEMESTER

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
			Seme	ster 1				
1.	R	Programming Principles I	COMP-111	3.5	56	14	49	6
2.	R	Software Development Essentials	COMP-117	2.5	56	14	35	6
3.	R	Mathematics and Logic for Computation	MATH-111	3.5	56	14	49	6
4.	R	Calculus I	MATH-195	3.5	56	14	49	6
5.	R	English Composition	ENGL-101	2.5	56	14	35	6
			Seme	ster 2				
1.	R	Programming Principles II	COMP-113	3.5	56	14	49	6
2.	R	Collaborative Software Development	COMP-119	2.5	56	14	35	6
3.	R	Calculus II	MATH-196	3.5	56	14	49	6
4.	E	Business Elective	*	2.5	56	14	35	6
5.	E	Liberal Arts Elective	*	2.5	56	14	35	6
	1	1	Seme	ster 3			<u> </u>	

1.	R	Digital Systems	COMP-200	2.5	56	14	35	6
2.	R	Systems Analysis and Design	COMP-201	2.5	56	14	35	6
3.	R	Object-Oriented Programming	COMP-212	3.5	56	14	49	6
4.	R	Advanced Programming and Paradigms	COMP-221	3.5	56	14	49	6
5.	R	Major Elective	*	2.5	56	14	35	6
			Semes	ster 4			<u> </u>	
1.	R	Machine Learning and Data Mining I	COMP-244	2.5	56	14	35	6
2.	R	Data Structures and Algorithms	COMP-270	2.5	56	14	35	6
3.	R	Probability and Statistics I	MATH-225	2.5	56	14	35	6
4.	R	Linear Algebra I	MATH-280	2.5	56	14	35	6
5.	R	Technical Writing and Research	BADM-332	2.5	56	14	35	6
			Semes	ster 5				
1.	R	Theory of Computation	COMP-321	2.5	56	14	35	6
2.	R	Computer Organization and Architecture	COMP-335	3.5	56	14	49	6
3.	E	Major Elective	*	2.5	56	14	35	6
4.	E	Major Elective	*	2.5	56	14	35	6
5.	E	Major Elective	*	2.5	56	14	35	6

Semester 6

R	Database Management Systems	COMP-302	2.5	56	14	35	6
R	Operating Systems	COMP-354	2.5	56	14	35	6
R	Networks and Data Communications	COMP-358	2.5	56	14	35	6
E	Major Elective	*	2.5	56	14	35	6
E	Major Elective	*	2.5	56	14	35	6
		Semes	ster 7				
R	Artificial Intelligence	COMP-405	2.5	56	14	35	6
R	Parallel and Distributed Computing	COMP-417	2.5	56	14	35	6
R	Final Year Project I	COMP-498	N/A	N/A	14	N/A	6
E	Major Elective	*	2.5	56	14	35	6
E	Major Elective	*	2.5	56	14	35	6
		Semes	ster 8				
R	Software Engineering	COMP-401	2.5	56	14	35	6
E	Computer Security	COMP-431	2.5	56	14	35	6
E	Final Year Project II	COMP-499	N/A	N/A	14	N/A	6
E	Major Elective	*	2.5	56	14	35	6
E	Major Elective	*	2.5	56	14	35	6
	R	R Networks and Data Communications E Major Elective E Major Elective R Artificial Intelligence R Parallel and Distributed Computing R Final Year Project I E Major Elective R Software Engineering E Computer Security E Final Year Project II E Major Elective	R Operating Systems COMP-354 R Networks and Data Communications COMP-358 E Major Elective * E Major Elective * Semester R Artificial Intelligence COMP-405 R Parallel and Distributed Computing COMP-417 R Final Year Project I COMP-498 E Major Elective * E Major Elective * Semester R Software Engineering COMP-401 E Computer Security COMP-431 E Final Year Project II COMP-499 E Major Elective *	R Operating Systems COMP-354 2.5 R Networks and Data Communications COMP-358 2.5 E Major Elective * 2.5 E Major Elective * 2.5 E Major Elective * 2.5 R Artificial Intelligence COMP-405 2.5 R Parallel and Distributed Computing COMP-417 2.5 R Final Year Project I COMP-498 N/A E Major Elective * 2.5 E Major Elective * 2.5 Semester 8 R Software Engineering COMP-401 2.5 E Computer Security COMP-431 2.5 E Final Year Project II COMP-499 N/A E Major Elective * 2.5	R	R Operating Systems COMP-354 2.5 56 14 R Networks and Data Communications COMP-358 2.5 56 14 E Major Elective * 2.5 56 14 E Major Elective * 2.5 56 14 Semester 7 R Artificial Intelligence COMP-405 2.5 56 14 R Parallel and Distributed Computing COMP-417 2.5 56 14 R Final Year Project I COMP-498 N/A N/A 14 E Major Elective * 2.5 56 14 Semester 8 R Software Engineering COMP-401 2.5 56 14 E Computer Security COMP-431 2.5 56 14 E Final Year Project II COMP-499 N/A N/A 14 E Final Year Project II COMP-499 N/A N/A 14 E Major Elective * 2.5 56 14	R