

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
Semester 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
Semester 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
Semester 3								

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
Semester 4								
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
Semester 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								

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