UNIC

BSc Computer Science

TABLE 2: COURSE DISTRIBUTION PER SEMESTER (Suggested Semester Breakdown)

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	4	50'	13	52	6
2.	R	Software Development Lab I	COMP-116	3	50'	13	39	6
3.	R	Digital Systems	ECE-110	4	50'	13	52	6
4.	R	Discrete Mathematics	MATH-101	3	50'	13	39	6
5.	R	Calculus I	MATH-195	4	50'	13	52	6
Semester 2								
1.	R	Programming Principles II	COMP-113	4	50'	13	52	6
2.	R	Software Development Lab II	COMP-118	3	50'	13	39	6
3.	R	English Composition	ENGL-101	3	50'	13	39	6

4.	R	Calculus II	MATH-196	4	50'	13	52	6
5.	E	Liberal Arts Elective	*	3	50'	13	39	6

			Semester 3					
1.	R	Systems Analysis and Design	COMP-201	3	50'	13	39	6
2.	R	Data Structures	COMP-211	3	50'	13	39	6
3.	R	Object-Oriented Programming	COMP-212	4	50'	13	52	6
4.	E	Major Elective	COMP	3	50'	13	39	6
5.	E	Elective	*	3	50'	13	39	6

			Semester 4					
1.	R	Technical Writing and Research	BADM-332	3	50'	13	39	6
2.	R	Probability and Statistics I	MATH-225	3	50'	13	39	6
3.	R	Linear Algebra I	MATH-280	3	50'	13	39	6
4.	E	Major Elective	COMP	3	50'	13	39	6
5.	E	Major Elective	COMP	3	50'	13	39	6

			Semester 5					
1.	R	Theory of Computation	COMP-321	3	50'	13	39	6
2.	R	Computer Organization and Architecture	COMP-335	4	50'	13	52	6

3.	E	Major Elective	COMP	3	50'	13	39	6
4.	E	Major Elective	COMP	3	50'	13	39	6
5.	E	Elective	*	3	50'	13	39	6
Semester 6								
1.	R	Database Management Systems	COMP-302	3	50'	13	39	6
2.	R	Operating Systems	COMP-354	3	50'	13	39	6
3.	R	Networks and Data Communications	COMP-358	3	50'	13	39	6
4.	R	Algorithms	COMP-370	3	50'	13	39	6
5.	E	Business Elective	*	3	50'	13	39	6
Semester 7								
1.	R	Artificial Intelligence	COMP-405	3	50'	13	39	6
2.	R	Parallel and Distributed Systems	COMP-417	3	50'	13	39	6
3.	R	Final Year Project I	COMP-498	3	50'	13	39	6
4.	E	Major Elective	COMP	3	50'	13	39	6
5.	E	Elective	*	3	50'	13	39	6
Semester 8								
1.	R	Software Engineering	COMP-401	3	50'	13	39	6
2.	R	Computer Security	COMP-431	3	50'	13	39	6
3.	R	Final Year Project II	COMP-499	3	50'	13	39	6

| 4. | E | Elective | * | 3 | 50' | 13 | 39 | 6 |
| 5. | E | Elective | * | 3 | 50' | 13 | 39 | 6 |

* Course code corresponds to the course code from the respective Elective sections C, D, E and F shown in Annex 1.

Note: The semester breakdown is indicative and includes six Major Electives (COMP) courses out of the maximum of ten (minimum of 6) that a student can take from Section B. In general, the student has a choice on the number of electives to take from each section (B, C, D, E, and F) as long as the number of credits completed in each section, satisfies each section's minimum credits and does not exceed its maximum number of credits.