

**TABLE 2: COURSE DISTRIBUTION PER SEMESTER – BSc (Hons) Computing**

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks per Academic semester	Total periods per Academic semester	Number of ECTS
<b>Year 1: Semester 1</b>								
1.	Compulsory	Introduction to Programming	CO1407	6	1 hour	13	78	10
2.	Optional	<b>Either</b> Study and Research Skills	CO1808	3	1 hour	13	39	---
		<b>Or</b> Academic Writing	EF1498	2			26	
3.	Compulsory	Discrete Mathematics	MA1611	4	1 hour	13	52	---
4.	Compulsory	Introduction to Networking	CO1507	3	1 hour	13	39	---
<b>Year 1: Semester 2</b>								
5.	Optional	<b>Either</b> Study and Research Skills	CO1808	3	1 hour	13	39	10
		<b>Or</b> Academic Writing	EF1498	2			26	
6.	Compulsory	Discrete Mathematics	MA1611	4	1 hour	13	52	10
7.	Compulsory	Introduction to Networking	CO1507	3	1 hour	13	39	10
8.	Compulsory	Explorations in Computing	CO1XXX	6	1 hour	13	78	10
<b>Year 1: Semester 1 or Semester 2</b>								
9.	Optional	University Elective	---	---	---	---	---	10

Year 2: Semester 1								
A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks per Academic semester	Total periods per Academic semester	Number of ECTS
1.	Compulsory	The Computing Challenge	CO1111	3	1 hour	13	39	---
2.	Compulsory	Games Concepts	CO1301	3	1 hour	13	39	---
3.	Compulsory	Algorithms and Data Structures	CO1406	3	1 hour	13	39	---
4.	Compulsory	Computer Systems and Security	CO1508	3	1 hour	13	39	---
5.	Compulsory	Systems Analysis & Database Design	CO1605	3	1 hour	13	39	---
6.	Compulsory	Web Technologies	CO1706	3	1 hour	13	39	---
Year 2: Semester 2								
7.	Compulsory	The Computing Challenge	CO1111	3	1 hour	13	39	10
8.	Compulsory	Games Concepts	CO1301	3	1 hour	13	39	10
9.	Compulsory	Algorithms and Data Structures	CO1406	3	1 hour	13	39	10
10.	Compulsory	Computer Systems and Security	CO1508	3	1 hour	13	39	10
11.	Compulsory	Systems Analysis & Database Design	CO1605	3	1 hour	13	39	10
12.	Compulsory	Web Technologies	CO1706	3	1 hour	13	39	10

**Year 3 – Yearlong**

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks per Academic semester	Total periods per Academic semester	Number of ECTS
1.	Optional	Games Development 1	CO2301	2	1 hour	26	52	10
2.	Optional	Software Development	CO2401	2	1 hour	26	52	10
3.	Compulsory	Advanced Programming	CO2402	2	1 hour	26	52	10
4.	Compulsory	The Agile Professional	CO2403	2	1 hour	26	52	10
5.	Optional	Computer Graphics	CO2409	2	1 hour	26	52	10
6.	Optional	Cyber Security	CO2508	2	1 hour	26	52	10
7.	Optional	Mobile Computing	CO2509	2	1 hour	26	52	10
8.	Optional	Introduction to Network Routing	CO2511	3	1 hour	26	78	10
9.	Optional	Network Management	CO2516	3	1 hour	26	78	10
10.	Optional	Digital Evidence and Incidence Response	CO2517	2	1 hour	26	52	10
11.	Optional	Database Systems	CO2701	2	1 hour	26	52	10
12.	Optional (Sandwich Option)	Industrial Placement Year	CO2802	40	1 hour	Total 48 weeks	1920	60 Notional credits

**Year 4 – Yearlong**

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks per Academic semester	Total periods per Academic semester	Number of ECTS
1.	Optional	Penetration Testing	CO3517	2	1 hour	26	52	10
2.	Optional	Games Development 2	CO3301	2	1 hour	26	52	10
3.	Optional	Maths and Technology for Games	CO3303	2	1 hour	26	52	10
4.	Optional	Advanced Software Modeling	CO3401	2	1 hour	26	52	10
5.	Optional	Artificial Intelligence	CO3519	2	1 hour	26	52	10
6.	Optional	Distributed Enterprise Systems	CO3409	2	1 hour	26	52	10
7.	Optional	Advanced Network Routing	CO3513	3	1 hour	26	78	10
8.	Optional	Wireless and Mobile Networks	CO3514	2	1 hour	26	52	10
9.	Compulsory	Double Project	CO3808	1	1 hour	26	26	20
10.	Optional	Cloud Computing	CO3721	2	1 hour	26	52	10