BSC COMPUTER SCIENCE COURSE STRUCTURE

S/NO	COURSE CODE	COURSE TITLE	CREDIT UNIT	STATUS
		100 LEVEL FIRST SEMESTER		
1.	COSC 101	Introduction to Computing	2	Core
2.	MATH 101	Sets and Number System	2	Core
3.	MATH 103	Trigonometry and Co-ordinate Geometry	2	Core
4.	MATH 105	Differential and Integral Calculus	2	Core
5.	PHYS 111	Mechanics	2	Core
6.	PHYS 131	Heat and properties of matter	2	Core
7.	GENS 101	Nationalism	1	Core
8.	GENS 103	English and Communication Skills	2	Core
		100 LEVEL SECOND SEMESTER		
1.	COSC 104	Introduction to Problem Solving	2	Core
2.	MATH 102	Algebra	2	Core
3.	MATH 104	Conic Sections and Application of Calculus	2	Core
4.	MATH 106	Vectors and Dynamics	2	Core
5.	STAT 102	Introductory Statistics	2	Core
6.	PHYS 124	Geometric and Wave Optics	1	Core
7.	PHYS 122	Electricity, Magnetism and Modern Physics	2	Core
8.	GENS 102	Environmental Health	2	Core
9.	GEOG 106	Introduction to Environmental Science	2	Core
10	GENS 104	History and Philosophy of Science	2	Core
		200 LEVEL FIRST SEMESTER		
1.	MATH 201	Mathematical Methods I	3	Core
2.	MATH 207	Linear Algebra I	3	Core
3.	COSC 211	Object-Oriented Programming I	3	Core
4.	COSC 203	Discrete Structures	3	Core
5.	COSC 205	Digital Logic Design	3	Core
6.	MATH 209	Numerical Analysis I	3	Core
7.	STAT 201	Discrete Probability Distributions	3	Core
		200 LEVEL SECOND SEMESTER		
1.	COSC 212	Object-Oriented Programming II	3	Core
2.	COSC 204	Computer Organization and Assembly Language.	3	Core
3.	STAT 202	Continuous Probability Distributions and Distribution Techniques.	3	Core
4.	COSC 208	Introduction to Artificial Intelligence.	3	Core
5.	COSC 206	Human Computer Interaction	2	Core
6.	MATH 208	Linear Algebra II	3	Core
7.	STAT 204	Biometry I	3	Core
8.	GENS 202	Entrepreneurship and Innovation	2	Core

		300 LEVEL FIRST SEMESTER		
1.	COSC 301	Data Structures and Algorithm	3	Core
2.	COSC 303	Computer Architecture	3	Core
3.	COSC 305	Systems Analysis and Design	2	Core
4.	COSC 309	Database Management systems	3	Core
5.	COSC 311	Organization of Programming Languages	3	Core
6.	GENS 301	Business Creation and Growth	2	Core
7.	COSC 307	Web Application Engineering I	3	Core
8.	MATH 311	Mathematical Modeling	3	Core
		300 LEVEL SECOND SEMESTER		
1.	COSC 300	Industrial Training	6	Core
		400 LEVEL FIRST SEMESTER		
1.	COSC 400	Project	6	Core
2.	COSC 401	Algorithms and Complexity Analysis	3	Core
3.	COSC 403	Software Engineering	3	Core
4.	COSC 405	Web Application Engineering II	2	Core
5.	COSC 407	Data Communications and Networks	3	Core
6.	COSC 411	Operating Systems	3	Core
7.	COSC 409	Professional and Social Aspects of Computing	3	Core
		400 LEVEL SECOND SEMESTER		
1.	COSC 402	Formal Methods and Software Development	3	Core
2.	COSC 404	Network Design and Management	3	Core
3.	COSC 406	Advanced Database Systems	2	Core
4.	COSC 408	Compiler Construction	3	Core
5.	COSC 416	Simulation Methodology	3	Core
6.	COSC 412	Theory of Computing	3	Core

NOTE:

Student admitted through Direct Entry (200L) must pick GENS 101 and GENS 103

Student admitted through Special Admission (300L) must pick GENS 101, GENS 103 and GENS 202