Faculty of Science and Technology
Department of Computer Science and Engineering
Program: B.Sc. in Computer Science and Engineering
Degree Name: Bachelor of Science in Computer Science and Engineering

Year : **First**   Semester : **Second**

SL	Course Code	Title	Credit	Pre-Requisite
1	CSE-1201	Structured Programming	3.00	
2	CSE-1202	Structured Programming Laboratory	1.50	
3	CSE-1203	Digital Logic Design	3.00	
4	CSE-1204	Digital Logic Design Laboratory	1.50	
5	EEE-1221	Basic Electrical Circuit	3.00	
6	EEE-1222	Basic Electrical Circuit Laboratory	0.75	
7	Hum-1241	English and Human Communication	3.00	
8	Hum-1242	English and Human Communications Laboratory	0.75	
9	Math-1231	Engineering Mathematics-I	3.00	
10	ME-1223	Mechanics and Heat Engineering	3.00	
11	ME-1224	Computer Aided Design Laboratory	0.75	
	Theory : 18 Sessional : 5.25 Thesis/Project : 0		23.25	

Year : **Second**   Semester : **First**

SL	Course Code	Title	Credit	Pre-Requisite
1	CSE-2101	Object Oriented Programming	3.00	
2	CSE-2102	Object Oriented Programming Laboratory	1.50	
3	CSE-2103	Data Structures and Algorithms	3.00	
4	CSE-2104	Data Structures and Algorithms Laboratory	1.50	
5	EEE-2121	Electronic Devices and Circuits	3.00	
6	EEE-2122	Electronics Devices and Circuits Laboratory	0.75	
7	Hum-2141	Bengali Language and Literature	3.00	
8	Math-2131	Engineering Mathematics-II	3.00	
9	Phy-2133	Physics-II	3.00	
	Theory : 18 Sessional : 3.75 Thesis/Project : 0		21.75	

Year : **Second**   Semester : **Second**

SL	Course Code	Title	Credit	Pre-Requisite
1	CSE-2200	Software Development Laboratory-II	1.50	
2	CSE-2201	Database Systems	3.00	
3	CSE-2202	Database Systems Laboratory	1.50	
4	CSE-2203	Algorithm Analysis and Design	3.00	
5	CSE-2204	Algorithm Analysis and Design Laboratory	0.75	
6	CSE-2205	Numerical Analysis	3.00	
7	CSE-2206	Numerical Analysis Laboratory	0.75	
8	EEE-2221	Electrical Drives and Instrumentation	3.00	
9	EEE-2222	Electrical Drives and Instrumentation Laboratory	0.75	
10	Hum-2243	History of the Imergence of Bangladesh	3.00	
11	Math-2231	Engineering Mathematics-III	3.00	
	Theory : 18 Sessional : 5.25 Thesis/Project : 0		23.25	

Year : **Third**   Semester : **First**

SL	Course Code	Title	Credit	Pre-Requisite
1	CSE-3101	Microprocessors and Microcontrollers	3.00	
2	CSE-3102	Microprocessors and Microcontrollers Laboratory	1.50	
3	CSE-3103	Software Engineering	3.00	
4	CSE-3104	Software Engineering Laboratory	0.75	
5	CSE-3105	Theory of Computation	3.00	
6	CSE-3109	Digital System Design	3.00	
7	CSE-3110	Digital System Design Laboratory	0.75	
8	CSE-3111	Computer Architecture	3.00	
9	CSE-3107	Discrete Mathematics	3.00	
	Theory : 18 Sessional : 3 Thesis/Project : 0		21.00	