

Offered Course(s) of Fall-2022

**Faculty of Science and Technology
Department of Computer Science and Engineering
Program: Bachelor of Science in Computer Science and Engineering
Degree Name: Bachelor of Science in Computer Science and Engineering**

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

SL	Course Code	Title	Credit	Pre-Requisite
1	Chem-1135	Chemistry	3.00	
2	Chem-1136	Chemistry Laboratory	0.75	
3	CSE-1101	Computer Basic and Programming	3.00	
4	CSE-1102	Computer Basics and Programming Laboratory	1.50	
5	Hum-1141	English and Human Communication	3.00	
6	Hum-1142	English and Human Communications Laboratory	0.75	
7	Hum-1143	History of the Emergence of Bangladesh	3.00	
8	Math-1131	Engineering Mathematics-I	3.00	
9	Phy-1133	Physics-I	3.00	
10	Phy-1134	Physics-I Laboratory	0.75	
Theory : 18 Sessional : 3.75 Thesis/Project : 0			21.75	

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	Math-1231	Engineering Mathematics-II	3.00	
8	ME-1223	Mechanics and Heat Engineering	3.00	
9	ME-1224	Computer Aided Design Laboratory	0.75	
10	Phy-1233	Physics-II	3.00	
Theory : 18 Sessional : 4.5 Thesis/Project : 0			22.50	

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	3.00	
4	CSE-2104	Data Structures Laboratory	0.75	
5	CSE-2105	Computer Architecture	3.00	
6	CSE-2107	Discrete Mathematics	3.00	
7	EEE-2121	Electronic Devices and Circuits	3.00	
8	EEE-2122	Electronic Devices and Circuits Laboratory	0.75	
9	Math-2131	Engineering Mathematics-III	3.00	
Theory : 18 Sessional : 3 Thesis/Project : 0			21.00	

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

SL	Course Code	Title	Credit	Pre-Requisite
1	CSE-2200	Software Development Laboratory	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	Math-2231	Engineering Mathematics-IV	3.00	
11	Hum-2241	Psychology	1.50	
Theory : 16.5 Sessional : 5.25 Thesis/Project : 0			21.75	