17. Structure of the Curriculum

a) Duration of the Program	04 Years	08 Terms
b) Admission Requirements	The applicants having HSC or equivalent degree will be eligible for admission into this program. Other terms and conditions are set or revised periodically by the appropriate authority.	
c) Total Minimum Credit Requirement to Complete the Program	160	
d) Total Class Weeks in a Term	14	
e) Minimum CGPA Requirements for Graduation	2.20	
f) Maximum Academic Years of Completion	06 Years	

g) Area-wise Credit Distribution				
Area	**Course Type**	**Number of Courses**	**Credits**	**Total Credits**
General Education (GED) Courses**	Theory	14	42	42
	Sessional	0	0	
Core/Compulsory Courses	Theory	32	96	107
	Sessional	8	11	
Optional/Elective Courses	Theory	0	0	00
	Sessional	0	0	
Capstone Courses***	Sessional	9	11	11
Total		63	160	160

**25% of GED core courses from 160 minimum required credits.

*** Thesis, project, internship etc. courses

18. Year/Term-wise Distribution of Courses

Year I Term I		
Course Code	**Course Title**	**Credits**
0542 STAT 1101	Basic Statistics	3
0542 STAT 1103	Elementary Probability	3
0541 MATH 1105	Numerical Analysis	3
0541 MATH 1107	Algebra, Geometry and Trigonometry	3
0311 ECO 1109	Principles of Economics-Micro	3
0222 BMS 1111	History of Emergence of Independent Bangladesh	3
0542 STAT 1102	Data Analysis – I (lab)	1
0542 STAT 1104	Viva voce	1
	Total =	**20**

Year I Term II		
Course Code	**Course Title**	**Credits**
0542 STAT 1201	Principles of Statistics	3
0542 STAT 1203	Probability Theory	3
0613 CSE 1205	Introduction to Computer with Task Oriented Software	3
0541 MATH 1207	Differential Calculus and Integral Calculus	3
0311 ECO 1209	Principles of Economics-Macro	3
0412 FIN 1211	Financial Statistics	3
0542 STAT 1202	Data Analysis – II (lab)	1
0542 STAT 1204	Viva voce	1
	Total =	**20**

Year II Term I		
Course Code	**Course Title**	**Credits**
0542 STAT 2101	Discrete Probability Distributions	3
0541 MATH 2103	Linear Algebra	3
0314 SOC 2105	Basic Demography	3
0541 MATH 2107	Real Analysis and Complex Variable	3
0542 STAT 2109	Quality Control and Educational Statistics	3
0613 CSE 2111	Computer Programming	3
0542 STAT 2102	Data Analysis – III (lab)	1
0542 STAT 2104	Viva voce	1
	Total =	**20**
Year II Term II		
Course Code	**Course Title**	**Credits**
0542 STAT 2201	Continuous Probability Distributions	3
0542 STAT 2203	Regression Analysis	3
0314 SOC 2205	Mathematical Demography	3
0541 MATH 2207	Differential Equations and Fourier Series	3

0542 STAT 2209	Sampling Technique-I	3
0542 STAT 2211	Sampling Distribution	3
0542 STAT 2202	Data Analysis – IV (lab)	1
0542 STAT 2204	Viva voce	1
	Total =	**20**

Year III Term I		
Course Code	**Course Title**	**Credits**
0542 STAT 3101	Statistical Inference – I	3
0542 STAT 3103	Time Series Analysis	3
0542 STAT 3105	Design of the Experiment – I	3
0542 STAT 3107	Test of Hypothesis	3
0542 STAT 3109	Simulation and Modeling	3
0542 STAT 3111	Epidemiology	3
0542 STAT 3102	Data Analysis – V (lab)	1
0542 STAT 3104	Viva voce	1
	Total =	**20**

Year III Term II		
Course Code	**Course Title**	**Credits**
0542 STAT 3201	Statistical Inference – II	3
0542 STAT 3203	Biostatistics	3
0542 STAT 3205	Data Mining	3
0542 STAT 3207	Order Statistics and Non-Parametric Test	3
0542 STAT 3209	Sampling Technique-II	3
0542 STAT 3211	Environmental Statistics	3
0542 STAT 3202	Data Analysis – VI (lab)	2
0542 STAT 3204	Viva voce	1
	Total =	**21**

Year IV Term I		
Course Code	**Course Title**	**Credits**
0542 STAT 4101	Multivariate Analysis	3
0542 STAT 4103	Econometrics	3
0542 STAT 4105	Design of Experiment – II	3
0542 STAT 4107	Actuarial Statistics	3
0542 STAT 4109	Stochastic Process	3
0542 STAT 4111	Research Methodology	3
0542 STAT 4102	Data Analysis – VII (lab)	2
0542 STAT 4104	Viva voce	1
	Total =	**21**

Year IV Term II		
Course Code	**Course Title**	**Credits**

0542 STAT 4201	Categorical Data Analysis	3
0542 STAT 4203	Dynamic Econometric Model	3
0542 STAT 4205	Bioinformatics	3
0542 STAT 4207	Operation Research and Linear Programming	3
0542 STAT 4202	Data Analysis – VIII (lab)	2
0542 STAT 4204	Project: Field Study and Report Writing	3
0542 STAT 4206	Viva voce	1
	Total =	**18**