


Program Structure
B.Sc Mathematics (Hons.)AY: 2018-19

SEMESTER I (Total 6)			SEMESTER II (Total 6)		
Course Code	Course Title	L.P.U	Course Code	Course Title	L.P.U
EGL111	English Language Skills	3 0 3	ENV222	Environmental Studies	4 0 4
PHY115T	General Physics-I	3 0 3	PHY125T	General Physics-II	3 0 3
CHE115T	General Chemistry-I	3 0 3	CHE125T	General Chemistry-II	3 0 3
MAT111T	Classical Algebra	4 0 4	MAT121T	Analysis-I	4 0 4
MAT112T	Abstract Algebra-I	4 0 4	MAT122T	Integral Calculus	4 0 4
MAT113T	Analytic Geometry	4 0 4	MAT123T	Differential Equations-I	4 0 4
	Total Units (21)			Total Units (22)	
Summer Internship I					
Summer Term			BSCIP101		
	SEMESTER III (Total 7)			SEMESTER IV (Total 6)	
Course Code	Course Title	L.P.U	Course Code	Course Title	L.P.U
PHY216T	General Physics-III	3 0 3	PHY226T	General Physics-IV	3 0 3
CHE215T	General Chemistry-III	3 0 3	CHE225T	General Chemistry-IV	3 0 3
PHY217P	General Physics LAB-I	0 3 3	MAT221T	Vector Calculus	4 0 4
CHE216P	General Chemistry LAB-I	0 3 3	MAT222T	Statics and Dynamics of Particles	4 0 4
MAT211T	Abstract Algebra-II	4 0 4	MAT223T	Differential Equation-II	4 0 4
MAT212T	Linear Algebra-I	4 0 4	MAT224T	Linear Algebra-II	4 0 4
MAT213T	Analysis-II	4 0 4			
	Total Units (24)			Total Units (22)	
Summer Term			BSCIP201		
Summer Internship-II			0 0 5		


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YEAR III	SEMESTER V (Total 7)		SEMESTER VI (Total 6)		L P U	
	Course Code	Course Title	L P U	Course Code		Course Title
	MAT301	Analysis III	4 0 4	STAT301	Probability and Statistics	4 0 4
	MAT303	Linear Programming Problem	4 0 4	MAT307	Numerical Analysis	3 0 3
	MAT302	Metric Spaces and Complex Analysis	4 0 4	MAT307P	Computer aided Numerical Practicle	0 2 2
	.....	Discipline Specific Elective-II	4 0 4	MAT308	Integral Transform	4 0 4
	CSE521T	C-programming	3 0 3	.....	Open Elective-II	4 0 4
	CSE521P	C-programming LAB	0 2 2	.....	Discipline Specific Elective-II	4 0 4
	.....	OPEN Elective I	4 0 4			
		Total Units (25)			Total Units (21)	

List of Electives

Course Code	Course Title	L T U
.....	Classical Dynamics	3 1 4
MAT310	Rigid Dynamics	3 1 4
.....	Discrete Mathematics-I	3 1 4
.....	Number Theory	3 1 4
MAT311	Fuzzy Set Theory	3 1 4
MAT304	Mathematical Modelling	3 1 4
.....	Integral equations	3 1 4
MAT309	Graph Theory	4 0 4


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