

BS Mathematics (4 Years)

(4 Years)
8 Semesters

Admission Criteria

- At least 45% marks in Intermediate in aggregate.
Eligibility Criteria for Msc:
BSc with at least 45% marks

Scheme of Studies BS Mathematics

Foundation Courses		
S No.	Title	Credit Hours
1	Calculus I	3
2	Calculus II	3
3	Calculus III	3
4	Algebra I	3
5	Algebra II	3
6	Complex Analysis	3
7	Ordinary Differential Equations	3
8	Affine and Euclidean Geometry	3
9	Linear Algebra	3

Scheme of Studies BS Mathematics

Major Courses		
S No.	Title	Credit Hours
1	Number Theory	3
2	Topology-I	3
3	Topology-II	3
4	Numerical Analysis-I	3
5	Numerical Analysis-II	3
6	Mathematical Methods	3
7	Functional Analysis-I	3
8	Functional Analysis-II	3
9	Partial Differential Equations	3
10	Complex Analysis-I	3
11	Complex Analysis-II	3
12	Real Analysis-I	3
13	Real Analysis-II	3
14	Differential Geometry	3
15	Graph Theory	3

Scheme of Studies BS Mathematics

Electives + Project		
S No.	Title	Credit Hours
1	Measure Theory-I	3
2	Measure Theory-II	3
3	Advanced Group Theory-I	3
4	Advanced Group Theory-II	3
5	Optimization Theory	3
6	Convex Analysis Project	3+3