

## Course Structure for Mathematics Major

	Core	Core					
<b>Sem -I</b>	Basic Algebra	Basic Real Analysis	-----	-----	-----	-----	
<b>Sem -II</b>	Coordinate Geometry	Mathematical Analysis I	-----	-----	-----	-----	
			<b>Elective -I</b>	<b>Elective-II</b>	<b>Elective-III</b>	<b>Elective-IV</b>	<b>Elective-IV</b>
<b>Sem -III</b>		Mathematical Analysis II	Abstract Algebra-I	Number Theory-I	Combinatorics	Numerical Methods	
<b>Sem -IV</b>		Linear Algebra	Advanced Analysis	Number Theory II	Cryptography	Probability Theory	Logic and Boolean Algebra
<b>Sem -V</b>		Functions of Several Variables	Metric Spaces	Differential Equations -II	Graph Theory	Pedagogy of Mathematics	Operations Research II
<b>Sem -VI</b>		Vector Analysis	Complex Analysis	Abstract Algebra-I	Computational Linear Algebra	Computers for Mathematics	

## Skill Enhancement Courses

Semester	Skill Enhancement Course
Sem III	Differential Equations- I
Sem IV	Operations Research-I

## Course Structure for Mathematics Minor

Semester	Core (Minor)
I	Basic Algebra
II	Coordinate Geometry
III	Real Analysis/ Differential Equations –I
IV	Mathematical Analysis/ Linear Algebra
V	Graph Theory / Numerical Methods
VI	Operations Research/ Probability Theory/ Vector Calculus