

SVKM'S NMIMS School of Mathematics, Applied Statistics & Analytics B.Sc. (Applied Mathematical Computing) Program Structure			
First Year			
Semester I		Semester II	
Course No	Course	Course No	Course
1	Algebra	1	Analytical Geometry
2	Univariate Calculus	2	Differential Calculus
3	Exploratory Data Analysis	3	Applied Statistics
4	Probability & Discrete Probability Models	4	Continuous Probability Models
5	Functional Programming using Python	5	Analysis of Algorithms
6	Corporate Communication	6	Environmental Science
Second Year			
Semester III		Semester IV	
Course No	Course	Course No	Course
1	Linear Algebra and Applications	1	Optimization Techniques
2	Functions of Several Variables	2	Integral calculus
3	Statistical Inference	3	Data Acquisition and Productization
4	Data Wrangling using Python	4	Machine Learning-I
5	Principles of Economics	5	Principles of Management
6	Research Methodology	6	Research Discourse -II
7	Research Discourse -I	--	--
Third Year			
Semester V		Semester VI	
Course No	Course	Course No	Course
1	Group Theory	1	Ring Theory
2	Discrete Mathematics and Graph Theory	2	Metric Spaces
3	Numerical Analysis	3	Deep Learning
4	Machine Learning-II	4	Partial Differential Equations
5	Natural Language Processing	5	Introduction to Block Chain Technologies and Applications
6	Mathematics Track (Select any <i>one</i>) <ul style="list-style-type: none"> • Vector Calculus • Cryptography and Cryptanalysis • Econometrics 	6	Mathematics Track (Select any <i>one</i>) <ul style="list-style-type: none"> • Complex Analysis • Mathematical Biology • Financial Mathematics
7	Project-I	7	Project-II