SVKM's Narsee Monjee Institute of Management Studies

Sunandan Divatia School of Science, Mumbai

Department of Statistics

B.Sc. Data Science

Program Structure

Semester I

Subject Name	Credits	Pre-requisite
Descriptive Statistics – I (Theory)	3	12th Mathematics & Statistics
Descriptive Statistics – I (Practical)	1	12th Mathematics & Statistics
Introduction to Probability Theory	4	12th Mathematics & Statistics
Elementary Number Theory	3	12th Mathematics & Statistics
Univariate Calculus	4	12th Mathematics & Statistics
Discrete Mathematics	4	12th Mathematics & Statistics
Foundations of Computer Science (Theory)	1	12th
Foundations of Computer Science (Practical)	0.5	12th
Introduction to R	1	12th
Environmental Studies	3.5	12th
Total	**25**	

Semester II

Subject Name	Credits	Pre-requisite
Descriptive Statistics – II (Theory)	3	Descriptive Statistics – I
Descriptive Statistics – II (Practical)	1	Descriptive Statistics – I, Introduction to R
Probability Models for Discrete Data	3	Introduction to Probability Theory
Probability Models for Continuous Data	4	Introduction to Probability Theory
Numerical Methods (Theory)	2	Elementary Number Theory
Numerical Methods (Practical)	1	12th Mathematics
Linear Algebra	4	12th Mathematics & Statistics
Introduction to Programming (Theory)	3	Foundations of Computer Science
Introduction to Programming (Practical)	1	Foundations of Computer Science
Effective Communication	2	Basic understanding of English
Total	**24**	

Note:

1. **Total number of Credits for B.Sc. Data Science is 132.**
2. **Structure for year II and III will be uploaded shortly**