Course outcome for BCA

Department of Mathematics

Course	Outcome
Elements of Mathematical Foundations - I	At the end of this course the student will be familiar with: • Sets, Partially ordered sets , Lattice , Boolean Algebra • Permutation and combination. • Limit, Continuity and Derivability • Differentiation, Differential equation, differential equation of first order and first degree • Exact differential equation, Linear differential equation with constant coefficients • Homogeneous Linear equation.

Elements of Mathematical Foundations	At the end of this course the student will be familiar with: • Differentiation • Tangents and normal • Indeterminate form • Functions and its continuity • Asymptotes • Curvature • Singular points • Curve tracing
Mathematical Foundations II	At the end of this course the student will be familiar with: • Logical operators and its properties • Group , Ring and their properties • Matrix Algebra
Mathematical Foundations-246	At the end of this course the student will be familiar with: • Partial differentiation, Maxima and Minima of Function, Jacobian, Beta and Gamma functions, Sphere, Cone, Cylinder